

A
PROJECT REPORT
ON
“Balaji ERP”

By
Mr. Sourabh vijay khot(192026)



For partial fulfillment of
MASTER IN COMPUTER APPLICATIONS
JSPM's RAJARSHI SHAHU COLLEGE OF ENGINEERING
(An Autonomous Institute, Affiliated to SPPU,Pune)
Dept. of MCA, Tathawade,
PUNE-411033



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Jayawant Shikshan Prasarak Mandal's
Rajarshi Shahu College of Engineering,
(An Autonomous Institute, Affiliated to SPPU, Pune)
Department of MCA
Tathawade, Pune-411033

CERTIFICATE

This is to certify that Mr/Miss. **Sourabh vijay khot**, is a bonafide student of **JSPM's Rajarshi Shahu College of Engineering, Tathawade, Pune**, has successfully completed the project work as prescribed by the Savitribai Phule Pune University, in the partial fulfillment of the **Master of Computer Applications(MCA)** Programme 2021-22.

Roll No.:192026

Date: 16-12-2021
Place:Pune

Prof. Snehal Godse

(Project Guide)

Dr. Rinku A. Dulloo

(HOD, Dept. of MCA)



NEUROMONK INFOTECH

Mobile No: 8007908957/8208744851

Email id: info@neurmonk.com

Website: www.neuromonk.com

Dear Sourabh Vijay Khot ,

I am pleased to inform you of your acceptance of an internship as a Backend Developer. Your first day of joining will be 3rd January 2022. The internship period is 3 months. You can take one holiday per month which will be paid holidays and more than that will be unpaid.

As an intern, you are an asset of the company. During this period, you will have access to the company's clients and confidential information. You will not share this information with anyone outside the company and not use it for your benefits.

Congratulations!

Best Wishes,

A handwritten signature in black ink, appearing to read "Pranav Raka".

Regards,

Pranav Raka

Director

Declaration

To
The Director,
JSPM's Rajarshi Shahu College of Engineering,
Tathawade, Pune-33.

Respected Sir,

I, **Sourabh Vijay Khot** hereby declare that the project entitled
“ **BALAJI ERP** ” developed and submitted under the
guidance of **Prof. Snehal Godse**, is my original work.

The system presented here is my original work and has not
been duplicated from any other sources.

Thank You,

Yours Sincerely,

Acknowledgement

I would like to express my gratitude and sincere regards to the following people to whom I am grateful for their support and help without which I would not have been able to do this project entitled “**BALAJI ERP**”.

I would like to thank **Dr. R. K. Jain, Director**, R.S.C.O.E. for providing us with excellent facilities and valuable time to time support.

I would like to express my profound and sincere gratitude to **Dr. Rinku Dulloo, HOD-MCA**, who has given all her co- operation and help to complete this project.

My special thanks to **Prof. Snehal Godse, Project Guide**, whose cooperation and keen interest coupled with valuable suggestion helped me in the completion of the project.

Last but not least, I am thankful to all **Teaching and Non-Teaching staff** of the college, whose names has not been mentioned here but have directly or indirectly, helped me in the completion of this project.

Name: Sourabh Khot

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COMPANY PROFILE

Name of the company : Neuromonk Infotech Pvt. Ltd.

- **Company Profile**

Neuromonk Infotech Pvt. Ltd is a tech-products and R&D consultancy firm. Our mission is to enrich India through innovation. We follow the lean philosophy and design process to develop quick techno-economic products at radically low cost. This transpires into our products & solutions which are unique & relevant to the need of the country and features.

- **What we offer**

Neuromonk offers top-notch IT services including web design, development, mobile app development, e-commerce solutions. Some part of this website showcases client projects and logos. These materials are copyright to their respective proprietors and Neuromonk does not propose any responsibility for logos or venture, suggested or otherwise unless particularly said.

- **What team consists?**

Neuromonk Infotech Pvt. Ltd has 8 people serving 15+ clients in India. **Neuromonk Infotech Pvt. Ltd** recognizes that its most important asset and success factor is its employees. We have experienced in software designing & development proficient in open source technologies. Our design & development process help websites for search engine results & attract relevant traffic. We provide free website consultation and professional guidance for every query required by the client. Whether you need website development assistance, app development or expert advice, we are here to help you with our best solution.

- **Business Experience**

Neuromonk Infotech Pvt. Ltd has over 1 years' experience in providing professional web application services and solutions for clients across the globe. We have successfully implemented twenty projects of different sizes and complexity in various business and technology domains.

- **Technology Competence**

Our unique competence in various technologies enables us to deliver integrated, scalable, robust solutions with the optimal cost/performance ratio. Our team experts constantly conduct research on new technology products to meet the ever-growing customer needs.

- **Commitment to Quality**

While retaining competitive rates we never compromise the quality of our services. We closely monitor project activities at all development phases and guarantees defect prevention, project risk mitigation and high quality results.

- Our Area of Expertise
- Web Design
- Web Page Layout Design
- GUI Component Design
- CSS / XSL Implementation
- Website Audit & Maintenance

- **Programming Environment and Scripting Language**

- PHP | PHP3 Laravel
- JSON | JQUERY
- Angular
- HTML5 |CSS3
- Figma Design
- React Native
- Flutter

Project Introduction

Balaji Enterprises is a 50 years old company. Balaji Enterprises, an ISO 9001:2008 certified company that innovates continuously with seamless execution to provide its customers across the country with useful and helpful products. Innovation and technology is the main cause behind our every product.

ERP stands for “**Enterprise Resource Planning**”. The core principle of ERP is to consolidate the pieces of software you use throughout your business into one single, unified suite that takes care of everything your business needs from end to end. Instead, an ERP system all stores data **in a single, relational database**. Employees input the data and access it via modules designed specifically for each functional area.

The main purpose of an ERP system is **to increase organizational efficiency of an organization by managing and improving how company resources are utilized**. An efficient store management can **ensure that right materials reaches right person in right time hence avoiding any kind of production delays**. It also ensures that materials are stored properly hence least wastage of materials occurs.

Store management is the activity of **running and monitoring all operations in a store**. Its main responsibilities include working with employees, creating work schedules, communicating with suppliers, and dealing with customer complaints.

System provides:

- Web Based Application.
- Centralized Database.
- Data processing mostly
- Speed of operation is fast.
- Accurate Reporting.

Existing System

❖ Existing System

Balaji Enterprise is the biggest organization in the Maharashtra. They have many stores all over the Maharashtra.

At that time they manage all there business with pen and paper. When they had limited store it's easy to maintain all there sales. But now, the numbers of stores are spread all over Maharashtra in this case pen and paper can't manage all the data and also the question of storage.

- All sales and expenses were recorded by the pen and paper.
- As the number of stores increased, so did the barriers to store the data
- It became difficult to store data on a large number of products and other things.
- Cash Memo and Quotations are also generated using bill book. And it's not safe to store it because it can be update or change by anyone.
- It's difficult to store the expenses of particular retail store.
- As the number of stores grew, it became difficult to keep track of each store's data and what products were in that store.

❖ Need Of System

- It's difficult to store the entire data in the existing system.
-

SCOPE OF SYSTEM

- The Web based system have super admin login facility, the super admin is only one admin which can't be register another one.
- After login admin can visit to all the tab's and manage the data.
- After login admin will be reflected on dashboard which shows total number of customers, total number of orders and total earnings of the entire store and also gives the filter to see all data as per the retail store. Also have a graph of total earning by month. These graphs also have a filter which as per the year, range of month and retail store also.
- Another tab is sales which is divided into two parts one is On field Sales and another is Backend Sales. In the both tab we can create sales person respectively. You can see sales person details, which meeting assign to specific person, there earning details and can add incentive also.
- Next one is meeting section here is the list of meeting all the meetings are shown in the table using pagination. Here is one of the filter which is based on the meeting status like Active, Converted and so on. Here we can create new meeting also and there is another option is details of meeting. In the detail section all the details of meeting are shown in tab view which has four parts. Meeting details, assigned products, meeting review and meeting follow-up.
- In the meeting section there is another part which is meeting status. There are six statuses which are Active, Follow Up, Positive, Converted, Negative and Other. As per these filter is work which is in the meeting details section.
- Next tab is Retail Store. This tab is divided into three different tab which are Add Retails Store, Add Location and Retail Store Person.
- In the Add Retail Store part we can see that list of the retail store and also can create new retail store from here. When we go to the retail store details part this view also shows in tab view which is divided into Store Details, Expenses, Assigned Users, Cash Memo. In the store details all the details of the store are shown and there product list also. In the expenses part all the expenses of the retail store shown. Another one is assigned users that shows which Retail Store Person assign to the store and you can also assign new and unassigned the existing person also. Last one is cash memo it shows all the cash memo which are created in the same store.
- In the Location part the list of the location are shown. In this list location and there abbreviation letter has shown which is use for creating the invoice number of cash memo. For adding new location there is one validation which if the abbreviation letter is already use for the another location then you can't use it again.

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- Third part of these tab is Retail Store Person, in this part we can add Retail Store Person which is assign to the retail store. We can assign many retail store person to single store, who has some of the authorities like he can manage sales of the retail store, expenses and create quotation and cash memo also. Retail store person have his own login credentials using those he can login to the system but there is a twist. Retail store person doesn't have permission to the some of the part of the system like roles, location and some of another. He can only manage his single retail store which is assign to him.
- Next and important part is product, in this tab we can add new product, update existing one and delete it also. For adding the product its name, price, cgst and sgst percentage, image of the product are required.
- Another part is inventory it's also have two parts one is inventory details and another is inventory log. Inventory details show the inventory of particular store there quantity also. From here we can add new product to the store and also update the quantity of the existing one. Multiple products can also add.
- Inventory log show the details of the inventory that how much time the single product is updated and on which date.
- Another part is sample inventory which depends on inventory. Sample inventory is like a sample piece which is use for to give sample of the product. Its same as inventory that we can add, edit and delete sample inventory and also sample inventory log.
- Next tab is Quotation in this tab there are two parts one is add quotation and another is payment mode. In add quotation we can see the list of all the quotation and can create a new quotation from here. Also from here we can navigate to quotation details page where we can see that all the detail information of quotation.
- In the quotation details page all the detail information of quotation is shown in one tab and in another tab all the products which are add in quotation are shown with their price and quantity.
- Next page is payment modes this page is only accessible by the super admin. In this page we can see the list of mode of payment and also can create new payment mode. Which is use when user will paid.
- The next and important part of the system is cash memo. We see tab which is cash memo in this tab we can see all the list of cash memo with invoice number order reference number and one button which is details button.
- On the click of detail button we navigate to the cash memo details page in this page we have two tabs one is customer details and another is order details.
- In customer details shows that the cash memo is belong to which customer and order details shows all the details of order like total amount product list there quantity and gst also.

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- There is one another button that is cash memo invoice. If we click on cash memo invoice its reflect on cash memo template which is design like a bill which shows customer details, the product list of the specific cash memo and there quantity as well as price, gst, net price and total amount also.
- It show bank account details also and the signature of the specific retail store person. And there is another button which is Generate PDF button. When you click on this button its generate the PDF for the cash memo as well as these PDF is store into the database.
- Here is all the Balaji System which will use by the Admin, Backend Sales Person and Retail Store Person.

DETAILS DESCRIPTION OF TECHNOLOGY USED

PHP Laravel Framework

- Laravel is a web application framework with expressive, elegant syntax. A web framework provides a structure and starting point for creating your application, allowing you to focus on creating something amazing while we sweat the details.
- Laravel strives to provide an amazing developer experience while providing powerful features such as thorough dependency injection, an expressive database abstraction layer, queues and scheduled jobs, unit and integration testing, and more.
- Whether you are new to PHP web frameworks or have years of experience, Laravel is a framework that can grow with you. We'll help you take your first steps as a web developer or give you a boost as you take your expertise to the next level. We can't wait to see what you build.

Why PHP?

There are a variety of tools and frameworks available to you when building a web application. However, we believe Laravel is the best choice for building modern, full-stack web applications.

➤ A Progressive Framework:-

We like to call Laravel a "progressive" framework. By that, we mean that Laravel grows with you. If you're just taking your first steps into web development, Laravel's vast library of documentation, guides, and [video tutorials](#) will help you learn the ropes without becoming overwhelmed.

If you're a senior developer, Laravel gives you robust tools for [dependency injection](#), [unit testing](#), [queues](#), [real-time events](#), and more. Laravel is fine-tuned for building professional web applications and ready to handle enterprise workloads.

➤ A Scalable Framework:-

Laravel is incredibly scalable. Thanks to the scaling-friendly nature of PHP and Laravel's built-in support for fast, distributed cache systems like Redis, horizontal scaling with Laravel is a breeze. In fact, Laravel applications have been easily scaled to handle hundreds of millions of requests per month.

Need extreme scaling? Platforms like [Laravel Vapor](#) allow you to run your Laravel application at nearly limitless scale on AWS's latest serverless technology.

➤ A Community Framework:-

Laravel combines the best packages in the PHP ecosystem to offer the most robust and developer friendly framework available. In addition, thousands of talented developers from around the world have [contributed to the framework](#). Who knows, maybe you'll even become a Laravel contributor.

Angular

Angular is a Typescript-based open-source framework for building client-side web applications. Since Typescript is a superset of JavaScript, let us first understand JavaScript briefly. JavaScript runs on the client-side of the web, which can be used to design or program how the web pages behave on the occurrence of an event. Typically, JavaScript is used for interface interactions, slideshows, and other interactive components. JavaScript evolved quickly and has also been used for server-side programming (like in Node.js), game development, etc.

JavaScript deals with dynamic content, which is an important aspect of web development. Dynamic content refers to constantly changing content and it adapts to specific users. For example, JavaScript can be used to determine whether or not to render the mobile version of the website by checking the device, which is accessing the website.

This encouraged web developers to start creating their own custom JavaScript libraries for reducing the number of code lines and implementing complex functionalities easily. **jQuery** is a fast, small, and feature-rich JavaScript library, which makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API. jQuery became the most popular one because it was easy to use and extremely powerful.

Since jQuery has no real structure, the developer has full freedom to build projects as they see fit. However, the lack of structure also means it's easier to fall into the trap of "spaghetti code," which can lead to confusion in larger projects with no clear design direction or code maintainability. For these situations, a framework like Angular can be a big help.

Angular is a client-side JavaScript framework that was specifically designed to help developers build SPAs (Single Page Applications) in accordance with best practices for web development. By providing a structured environment for building SPAs, the risk of producing "spaghetti code" is highly reduced. So, you must be wondering what is SPA?

Single-Page Applications (or *SPA's*) are applications that are accessed via a web browser like other websites but offer more dynamic interactions resembling native mobile and desktop apps. The most notable difference between a regular website and SPA is the reduced amount of page refreshes. SPAs have a heavier usage of AJAX- a way to communicate with back-end servers without doing a full page refresh to get data loaded into our application. As a result, the process of rendering pages happens mostly on the client-side.

➤ Cross-Platform

- **Progressive web apps:** It uses modern web platform capabilities to deliver an app-like experience. It gives high performance, offline, and zero-step installation. So, working with Angular is pretty much easy.

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- **Native:** You can build native mobile apps with strategies using Ionic Framework, Native Script, and React Native.
- **Desktop:** Create desktop-installed apps across Mac, Windows, and Linux using the same Angular methods you've learned for the web plus.
- **Speed and Performance**
- **Code generation:** Angular turns your templates into code that's highly optimized for JavaScript virtual machines, giving you all the benefits of hand-written code with the productivity of a framework.
- **Universal:** You can use any technology with Angular for serving the application like node.js, .NET, PHP and other servers
- **Code splitting:** Angular apps load quickly with the new Component Router, which delivers automatic code-splitting, so users only load code required to render the view they request.

➤ Productivity

- **Templates:** Quickly create UI views with simple and powerful template syntax.
- **Angular CLI:** Command-line tools: You can easily and quickly start building components, adding components, testing them, and then, instantly deploy them using Angular CLI.
- **IDEs:** Get intelligent code completion, instant errors, and other feedback in popular editors and IDEs like Microsoft's VS Code.

HTML

HTML is the standard markup language for creating Web pages.

- ☐ HTML stands for Hyper Text Markup Language
- ☐ HTML describes the structure of Web pages using markup
- ☐ HTML elements are the building blocks of HTML pages
- ☐ HTML elements are represented by tags
- ☐ HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- ☐ Browsers do not display the HTML tags, but use them to render the content of the page

- ☐ The `<!DOCTYPE html>` declaration defines this document to be HTML5
- ☐ The `<html>` element is the root element of an HTML page
- ☐ The `<head>` element contains meta information about the document
- ☐ The `<title>` element specifies a title for the document
- ☐ The `<body>` element contains the visible page content
- ☐ The `<h1>` element defines a large heading
- ☐ The `<p>` element defines a paragraph

SQL

SQL is a standard language for accessing and manipulating databases.

What is SQL?

- ☐ SQL stands for Structured Query Language
- ☐ SQL lets you access and manipulate databases
- ☐ SQL is an ANSI (American National Standards Institute) standard

What Can SQL do?

- ☐ SQL can execute queries against a database
- ☐ SQL can retrieve data from a database
- ☐ SQL can insert records in a database
- ☐ SQL can update records in a database
- ☐ SQL can delete records from a database
- ☐ SQL can create new databases
- ☐ SQL can create new tables in a database
- ☐ SQL can create stored procedures in a database
- ☐ SQL can create views in a database
- ☐ SQL can set permissions on tables, procedures, and views

SQL is a Standard - BUT....

Although SQL is an ANSI (American National Standards Institute) standard, there are different versions of the SQL language.

However, to be compliant with the ANSI standard, they all support at least the major commands (such as SELECT, UPDATE, DELETE, INSERT, WHERE) in a similar manner.

Note: Most of the SQL database programs also have their own proprietary extensions in addition to the SQL standard!

Using SQL in Your Web Site

To build a web site that shows data from a database, you will need:

- ☐ An RDBMS database program (i.e. MS Access, SQL Server, MySQL)
- ☐ To use a server-side scripting language, like PHP or ASP
- ☐ To use SQL to get the data you want
- ☐ To use HTML / CSS to style the page

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CSS

CSS stands for **Cascading Style Sheets**.

CSS describes **how HTML elements are to be displayed on screen, paper, or in other media**.

CSS **saves a lot of work**. It can control the layout of multiple web pages all at once.

CSS can be added to HTML elements in 3 ways:

- ☐ **Inline** - by using the style attribute in HTML elements
- ☐ **Internal** - by using a <style> element in the <head> section
- ☐ **External** - by using an external CSS file

The most common way to add CSS, is to keep the styles in separate CSS files. However, here we will use inline and internal styling, because this is easier to demonstrate, and easier for you to try it yourself.

Bootstrap

- ☐ Bootstrap is a free front-end framework for faster and easier web development
- ☐ Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins
- ☐ Bootstrap also gives you the ability to easily create responsive designs

Why Use Bootstrap?

Advantages of Bootstrap:

- ☐ **Easy to use:** Anybody with just basic knowledge of HTML and CSS can start using Bootstrap
- ☐ **Responsive features:** Bootstrap's responsive CSS adjusts to phones, tablets, and desktops
- ☐ **Mobile-first approach:** In Bootstrap 3, mobile-first styles are part of the core framework
- ☐ **Browser compatibility:** Bootstrap is compatible with all modern browsers (Chrome, Firefox, Internet Explorer, Safari, and Opera)

PROPOSED SYSTEM

2.1 Problem statements

Balaji enterprises is a 50 years old company which use pen paper for their billing. Its difficult to store the data and keep track of it.

Also its difficult to maintain the expenses of stores and managing the sales.

2.2 Product position statement

System helps to maintain and keep track of the flow of organization. Its fully web based system so admin or retails store person can manage the system from any where. We store all the data which is useful to keep track of system that's why its easy to manage the system.

2.3 Product overview

The client require an system which can manage all the sales, expenses, customer of the organization. That's why they want to develop this this system which store all there details.

2.4 Summary of capabilities

This system manage all the sales and expenses of the organization. The system is for single retail store any retail store person can login the system which is assign to him. Admin can assign roles to everyone.

2.5 Assumptions and dependencies

- **The registration of the re tail store, retail store person, onfield sales, backend sales manage by the admin. Only admin can assign role to everyone.**
- **Re tail store person can login and manage the store which is assign to him.**
- **Back end sales person can login and see there task which is assign to him**

2.6 Objectives of proposed system

- The Intentions of the system are store all the data of the organization.
- Provide secure login to admin and the user.
- Save all the quotations. Cash memo securely.
- Only admin can give an access to everyone.
- Admin have all the access he can create and manage all the retail stores data.
- Retail store person have access to the retail store which is assign to him.
- Backend sales person can see there daily task.
- Meetings which are created by the admin are assign to the backend sales person.

2.7 Functional requirements

- **The users have sufficient knowledge of computers.**
- **The users know the English language, as the user Interface will be provided in English**
- **The registration of the Members is managed by the on members.**
- **The Members must have login id and password so that only authorized have proper access to the system.**
- **Members and their codes details are stored in centralized database.**
- The higher authority is responsible for updating database with proper information. With the help of this system, communication is carried out through notifications between customer and higher authority of system.
- With proper login, it will not have misused by external or other person.
- With the help of this site authorised member can login and verify as per the login ID stored in database.
- The backup of the database must be stored by the administrator.

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2.8 Non-functional requirements

- Availability: The system will be available 24*7*365
- Capacity: Any TIME you can use the system within a day and the system will be able to generate same results each TIME.
- Throughput: The system performs the speedy operations and has very less throughput TIME.
- Security: All User data will be encrypted through the application.
- Security : System has various security check for user management.

2.9 Stakeholder summary

<i>Name</i>	<i>Represents</i>	<i>Role</i>
<i>Neuromonk Infotech Pvt. Ltd.</i>	<i>Owner of System</i>	<i>This is the organization that is owner of this system and has all rights about system and its sales rights.</i>

2.10 Users summary

The Administrator is a user of system who can manage members, and their codes & visitors customize the system and can use all the functionalities provided by the system.

The admin can use various functionalities provided by this system. like Encryption Tool and, Form Tools, etc.

The Member Can access the various functionalities provided by the system tool for designing the forms.

2.11 Module specifications

1. User Module

This Module Manage All User Of System , Admin, Members And visitors It keep all details of the users. And Include Login and Registration and password recovery process.

2. Admin Module

This Module manage all the admin of the system and manage their data.

This application has multiple admins. Admin has Access for various function in

Form Generator ERP system application.

3 Access Management

This Application has multiple user with multiple access. So this module handle the acces for each user and visitors through the application.

4. Encryption management

This Module maintain the security of all pages and access. This module provide encryption method to hide main data. This function provide encrypted key to store password, contact.

5. Form Management

This module manage All the created form and their owner data. It provide access to all visitors to view the form. This module provide tool to create new from. And their code in HTML, CSS, JAVASCRIPT.

6. Tools Management

This Module Manage library of their application. By this users can create the form without coding knowledge. This Forms Save in system by using encrypting technology.

7.Report Management

This Application generate for admin that includes the Top demanding code. Total visitor to application. How many user are interested in source code. This can generate user reports.

8. Query management.

This Module handle all query of all user in this application. Which maintain the feedback or any query accepted from users of the application.

9. validation module

This Module handle all form validation thought the application. And Maintain the missing pages access to user. And redirect to correct direct. This validation all the forms in the application.

SYSTEM REQUIREMENTS

HARDWARE REQUIREMENT

- 233 MHz processor.
- 128 MB SD-RAM
- 2 – 4 GB Hard-Disk.
- 4x Compact Disk drive or quicker.
- 1.44 MB Floppy Disk Drive.
- Monitor. [640 x 480 Display]

SOFTWARE REQUIREMENT

- Front End – HTML, CSS, Bootstrap, JQuery, Ajax .
- Back End – PHP, MySQL
- Server – Apache Server 2.0
- Design Tool – Macromedia Dreamweaver 12.0
- Documentation Tools – Microsoft Word

WEB REQUIREMENTS

- Bandwidth – 1mbps(minimum)
- Internet – 512 kbps(minimum)
- Internet Explorer 8.0 or any browser

3.1 Fact finding methods

To study any system, the analyst needs to do collect facts and all relevant information. the facts when expressed in quantitative form are termed as data. The success of any project is depended upon the accuracy of available data. These specific methods for finding information of the system are termed as fact finding techniques. Interview, Questionnaire, Record View and Observations are the different fact finding techniques used by the analyst. The analyst may use more than one technique for investigation.

Record View:

The information related to the system is published in the sources like newspapers, magazines, journals, documents etc. This record review helps the analyst to get valuable information about the system and the organization.

During the development of this system we go through lots of documents and record views and their formats. During the designs of the quotes, code and testing orders we see the different type. Whereas during the report generation of all the code and form we see the record details of various organizations code entries. During the design and working with contact management, lead management, opportunity management and organizations management we goes through the lots of records of

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different organizations and how they currently use forms and what are the fields that are very important during the design and working on campaigns, leads, organizations and opportunities.

Observation:

Unlike the other fact finding techniques, in this method the analyst himself visits the organization and observes and understands the flow of documents, working of the existing system, the users of the system etc.

During the development of this system we observe the work flow of different organizations and how their daily tasks are done. It is observed that how the campaigns, leads and opportunities are related to each other.

Feasibility Study

- i. **Technical Feasibility**
- ii. **Economical Feasibility**
- iii. **Operational Feasibility**

- **Technical Feasibility**

The technical issue usually raised during the feasibility stage of the investigation includes the following:

- Does the necessary technology exist to do what is suggested?
- Do the proposed equipment have the technical capacity to hold the data required to use the new system?
- Will the proposed system provide adequate response to inquiries, regardless of then number or location of users?
- Can the system be upgraded if developed?

- **Operational Feasibility**

Operational feasibility refers to the determination that whether the system will operate and hence used by the end user or not. Our input screens are familiar with the their existing data processing environment, as we have checked acceptability of users for the input screen frequently.

Will the system be used if it developed and implemented? Will there be a resistance from the user to the new system.

Form Generator ERP system

The system will provide timely information and status of the various activities to manage, to facilitate the user of the system.

Thus, is concluded that the system is technically, economically and operationally feasible.

- **Economical Feasibility**

A system to be developed should be profitable in medical management system. In general

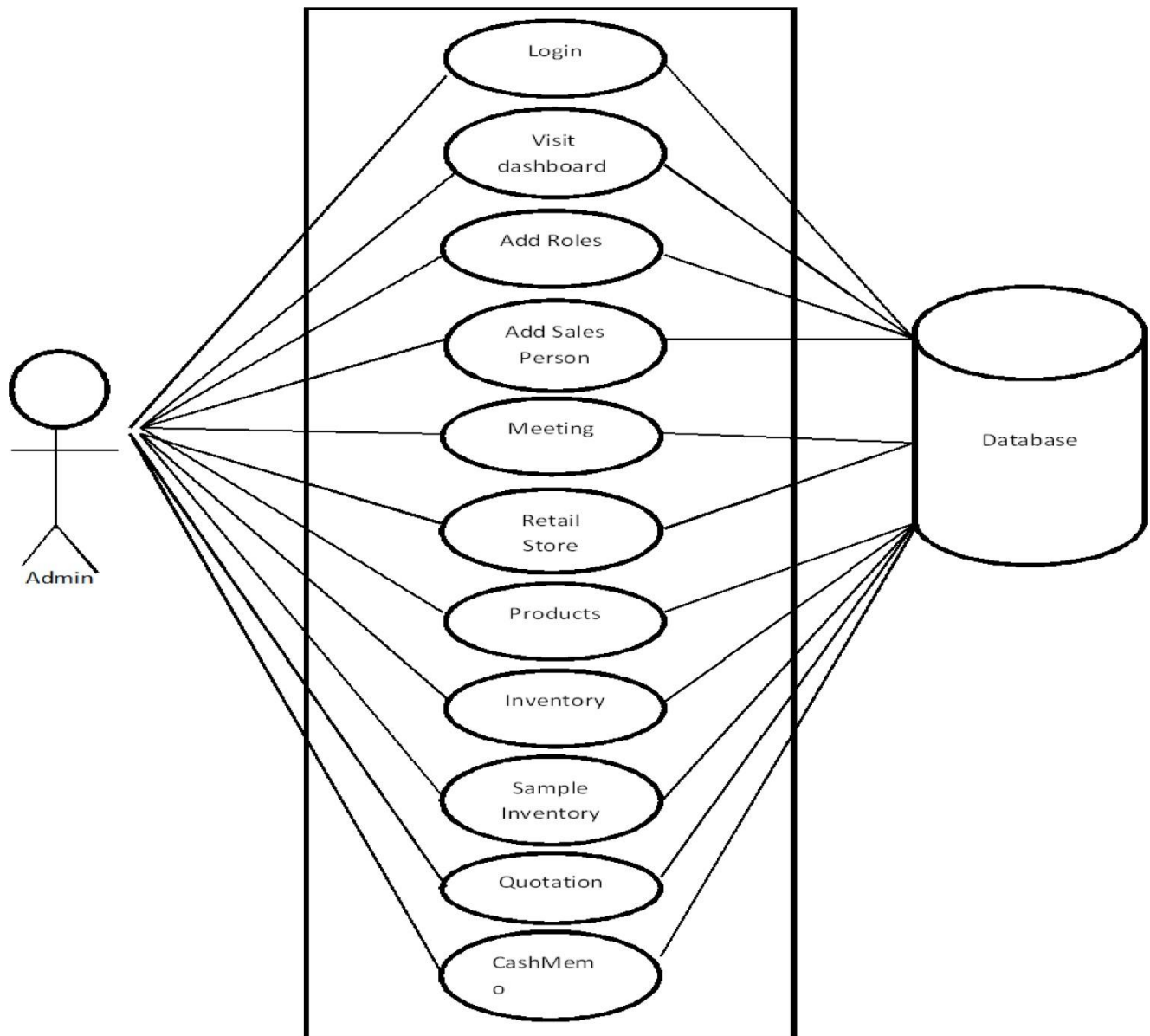
Economical feasibility includes cost benefit analysis. The main point discussed by me during developing the system were

1. Cost of developing system
2. Cost of hardware and software
3. Cost of manpower to handle the system.

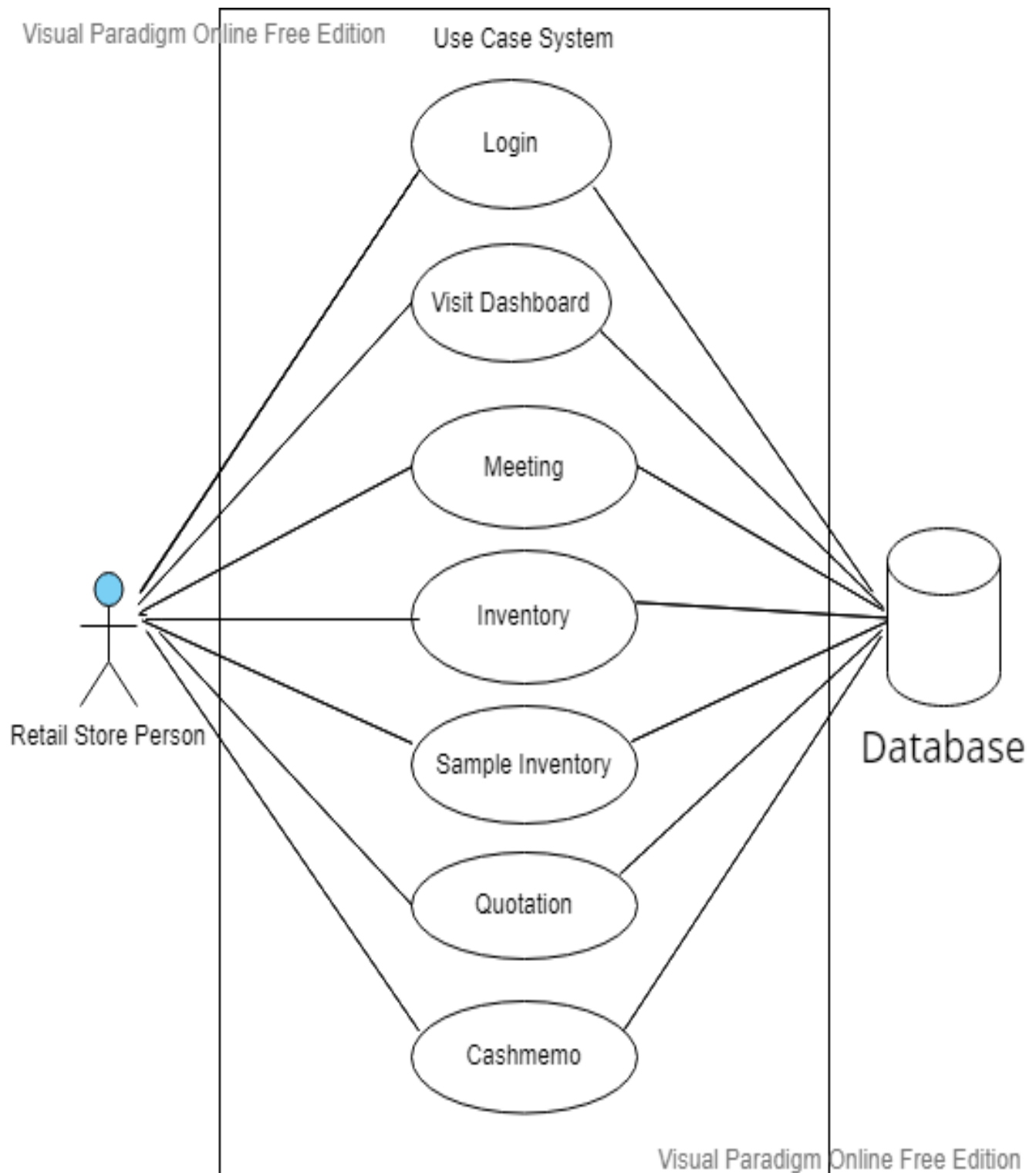
The proposed system is economically feasible because it will save valuable time, money and it is more stable. Automation leads to cost reduction and beneficial to cost analysis of the system economically, the firm is capable of purchasing the required setup. Automation results in the reduction of manpower and processing time.

System Analysis and System Design

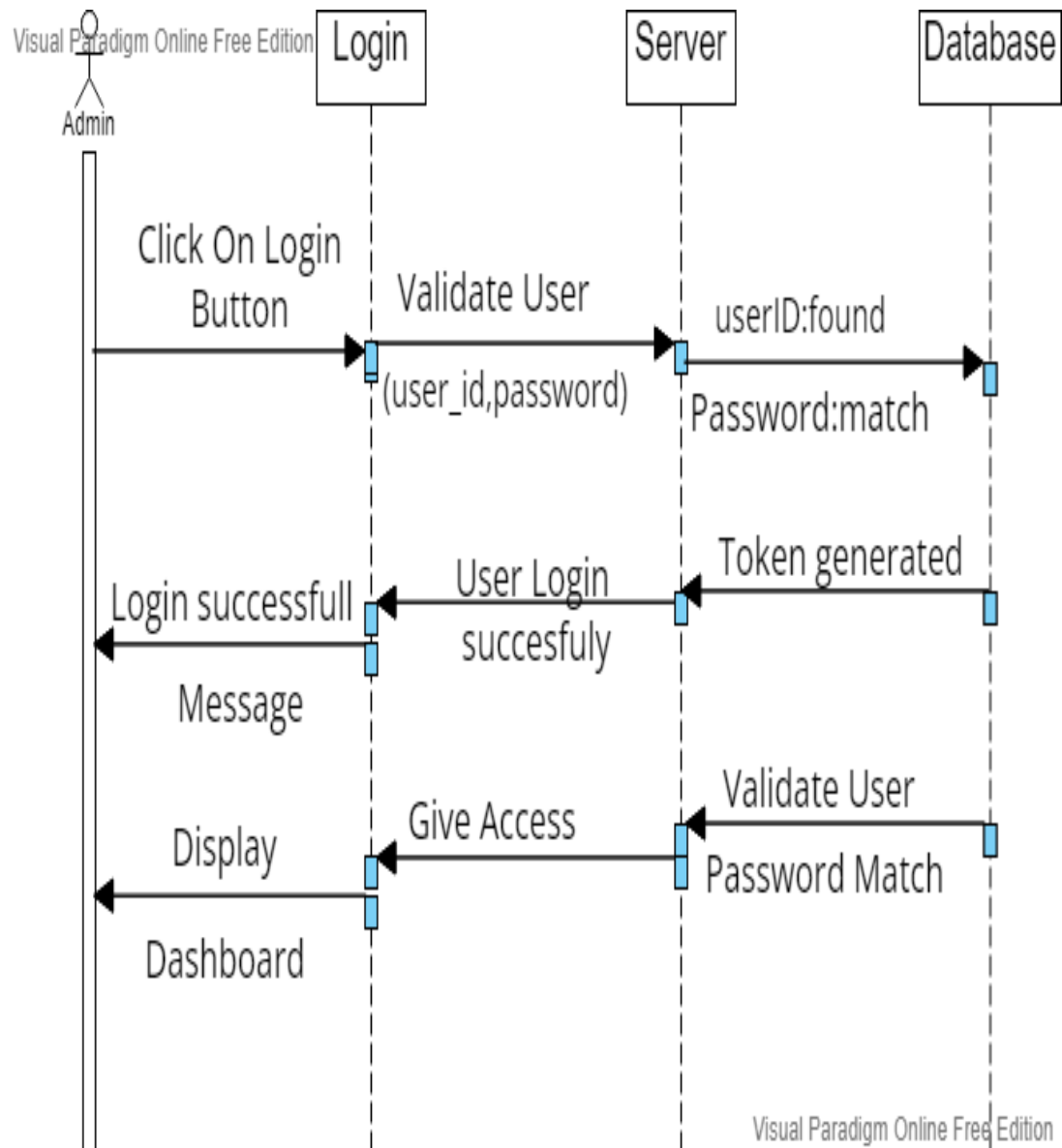
Admin Use-Case



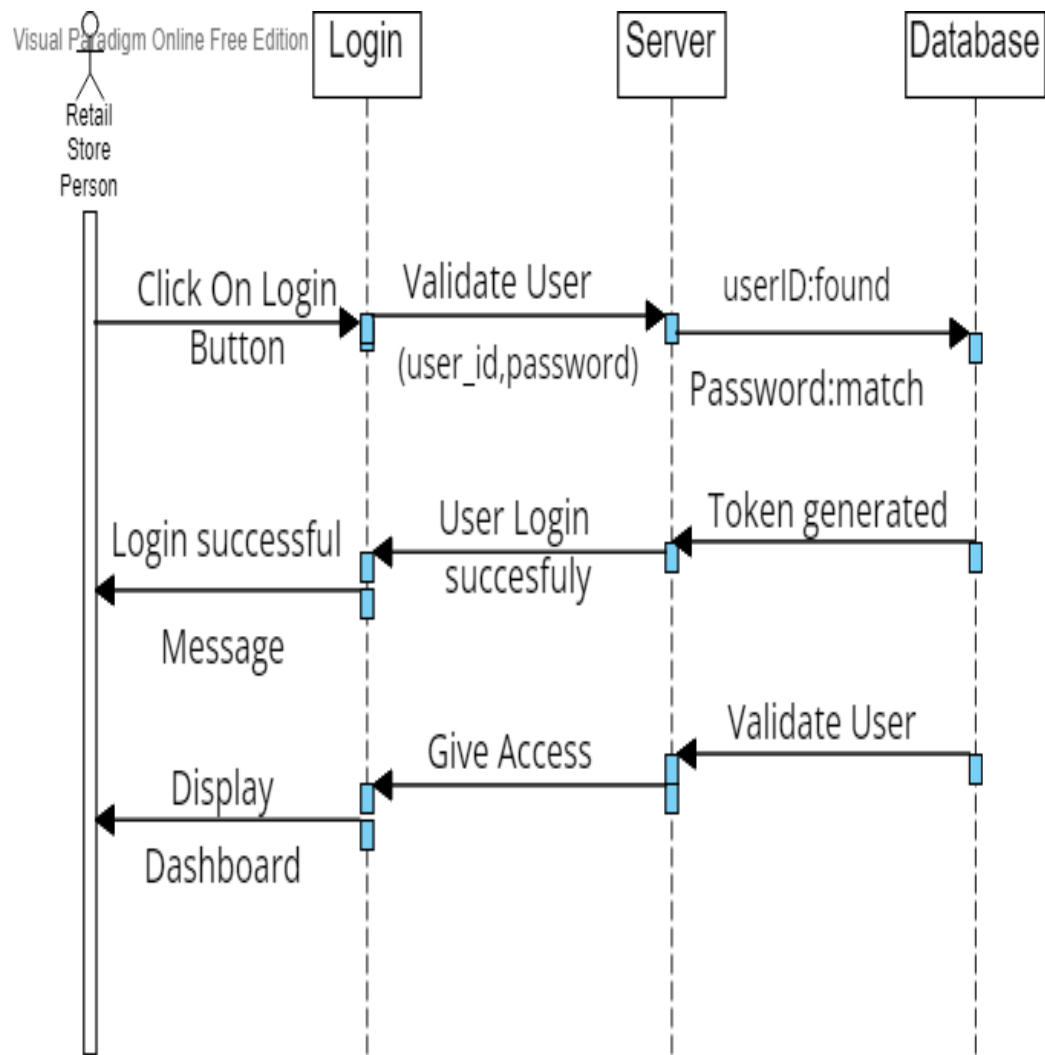
User Use-Case



Admin Login Sequence Diagram

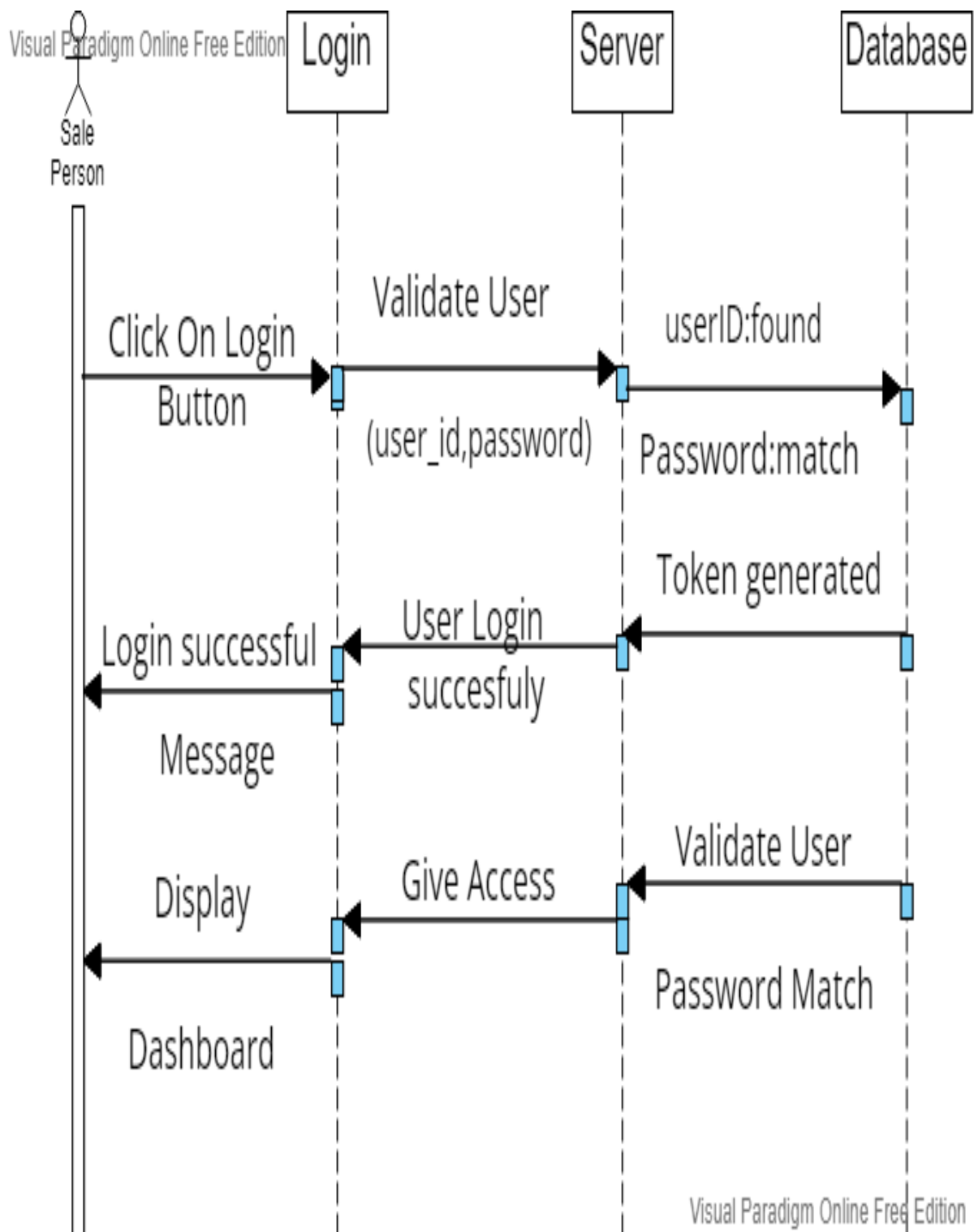


Retail Store Person Login

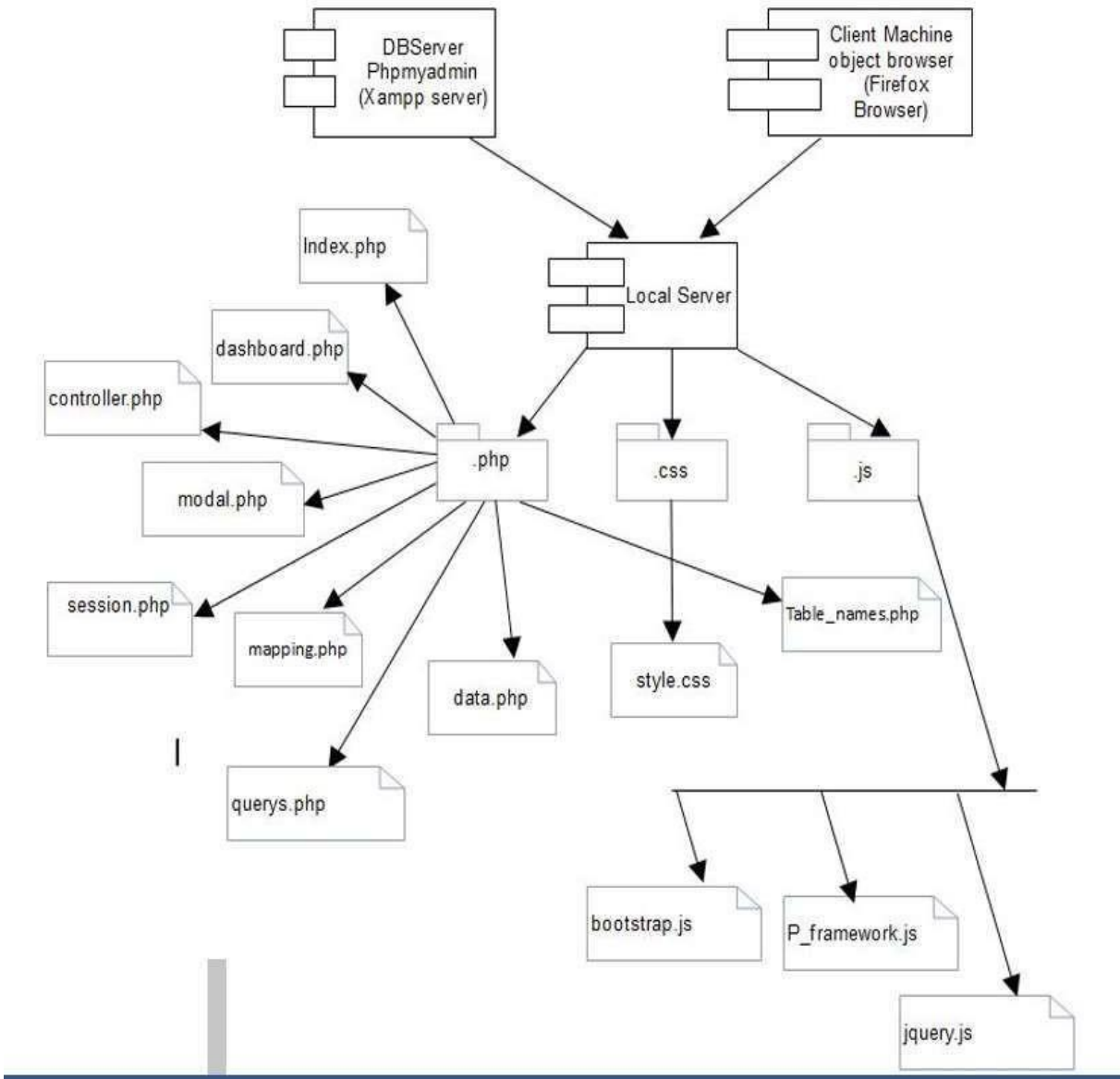


Password Match

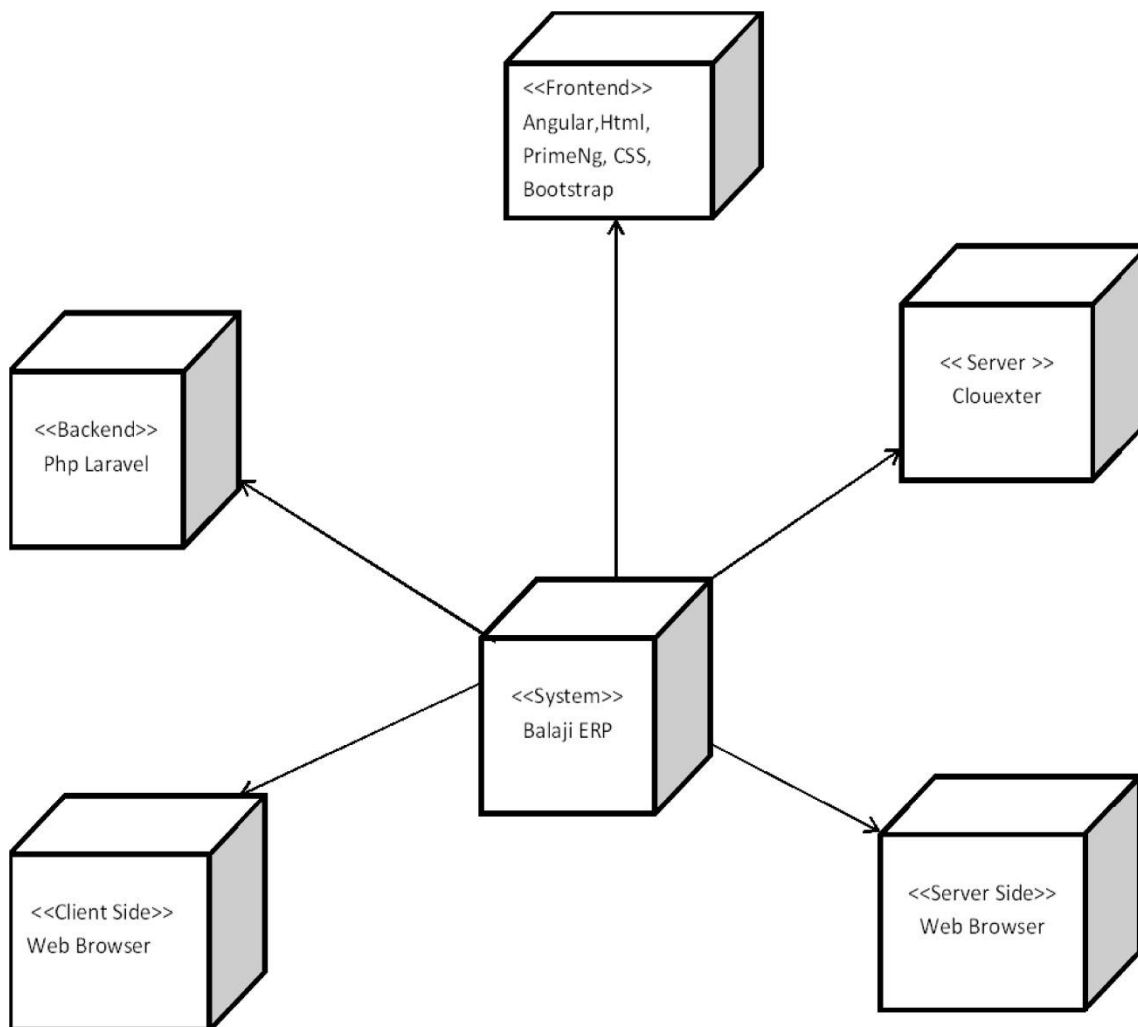
Backend Sales Login



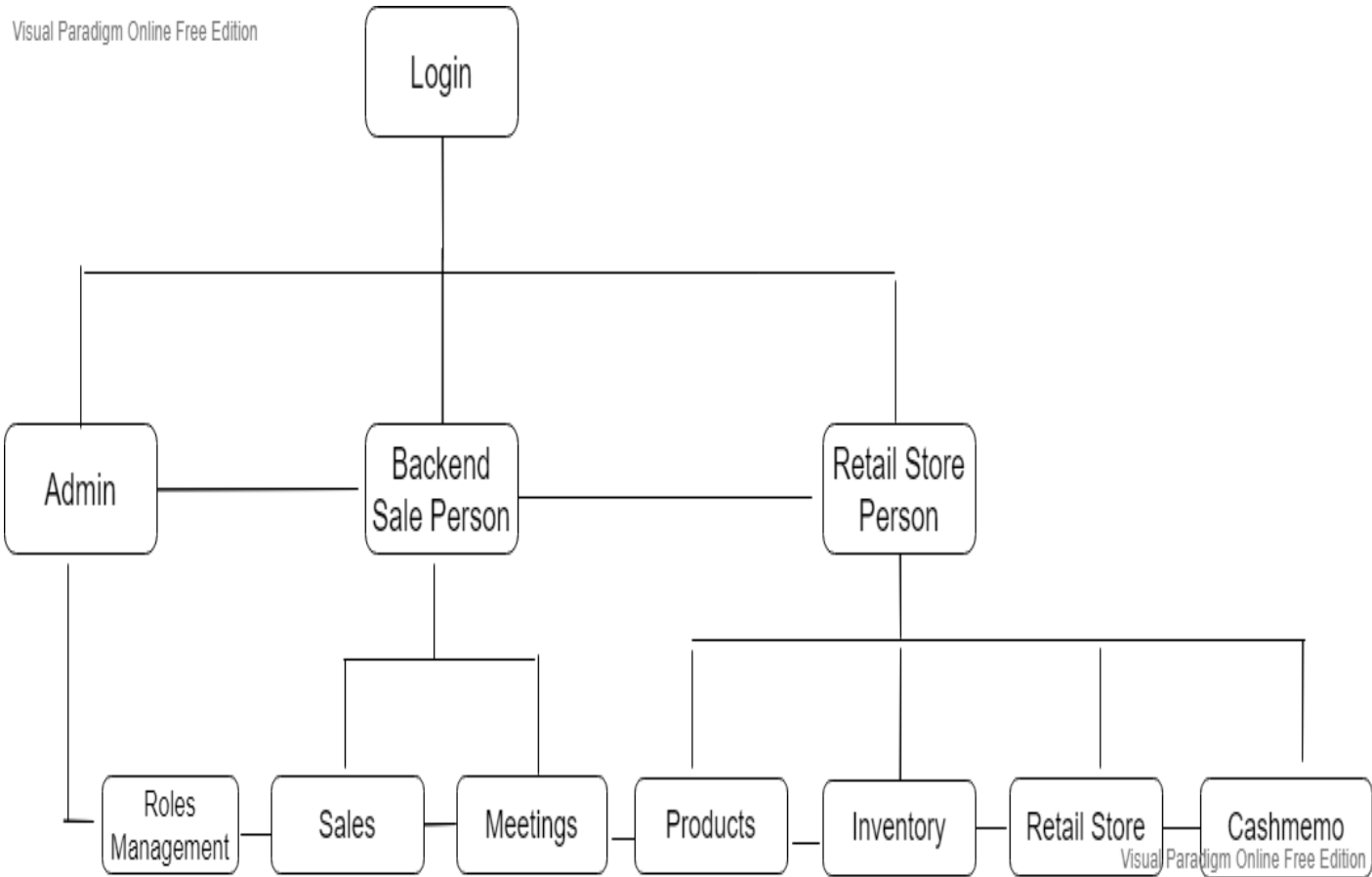
Component



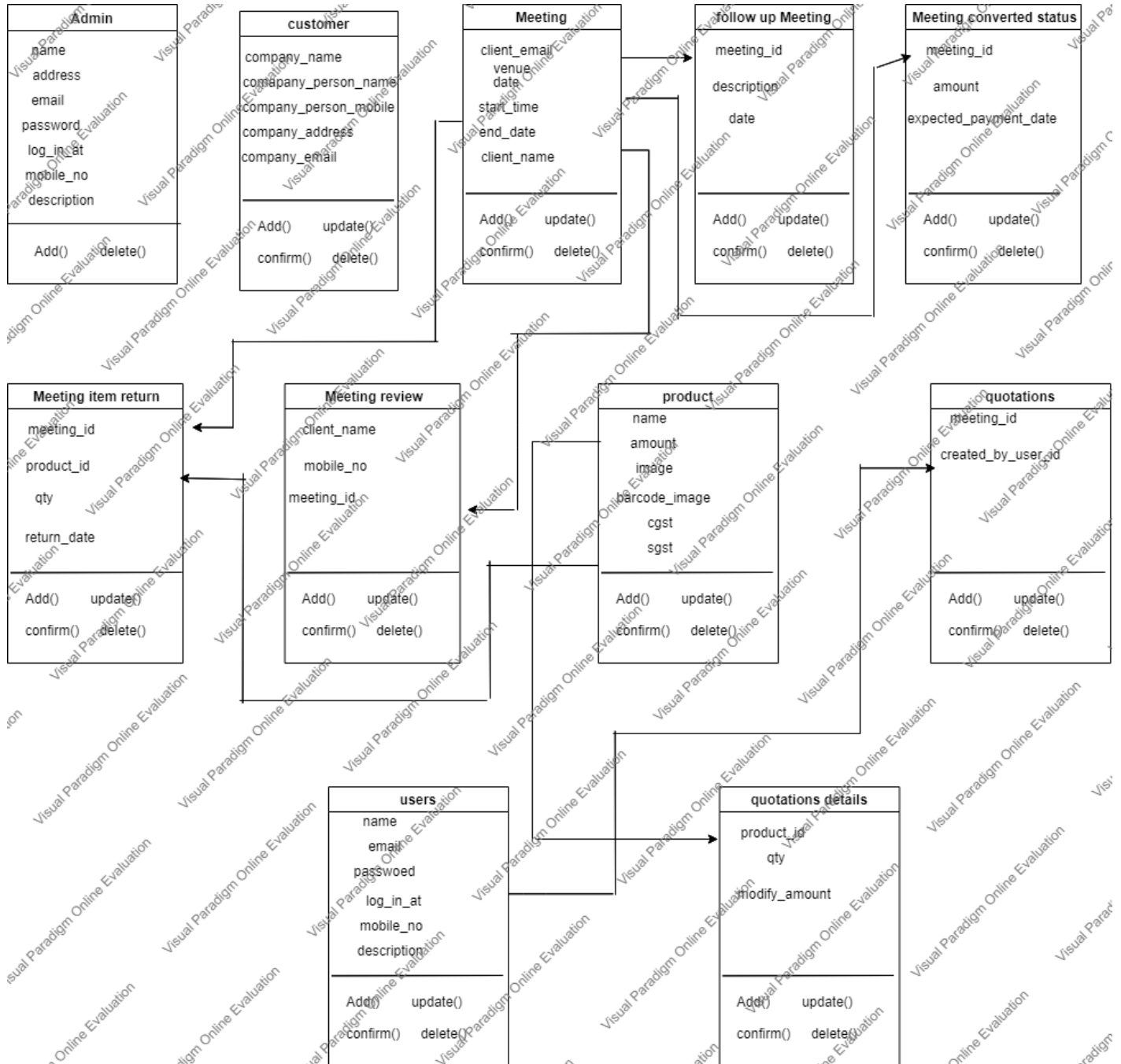
Deployment

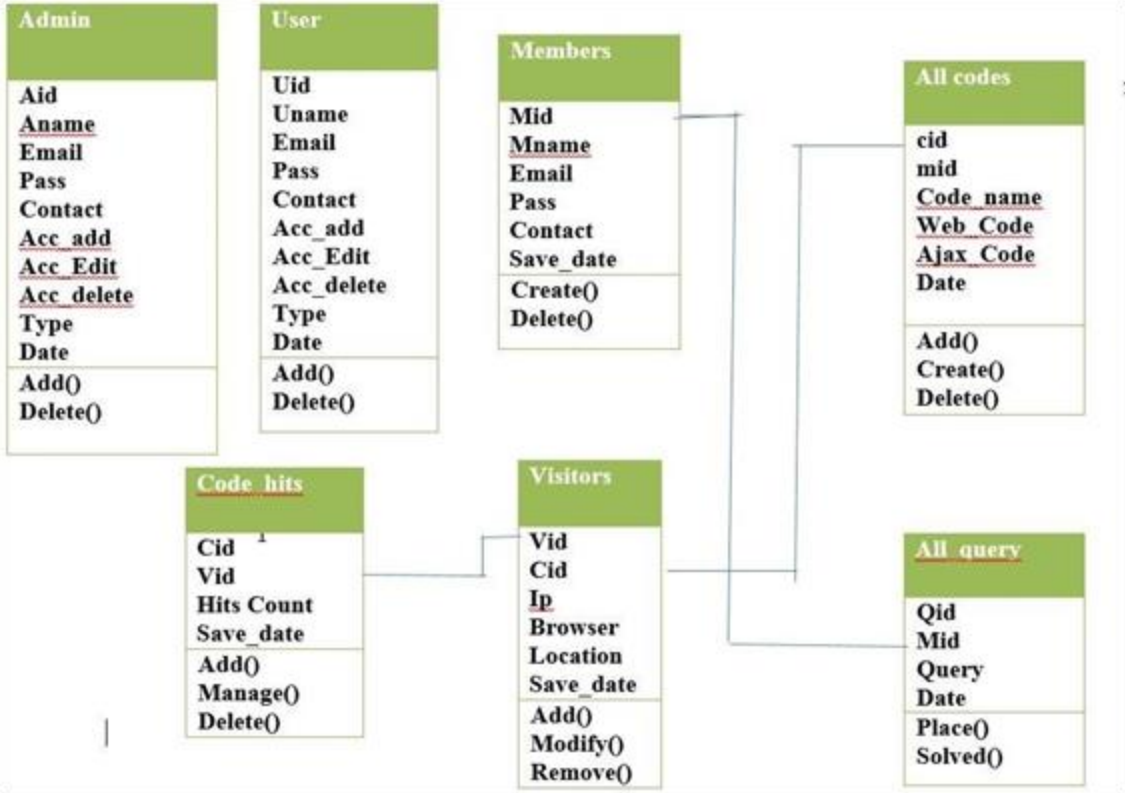


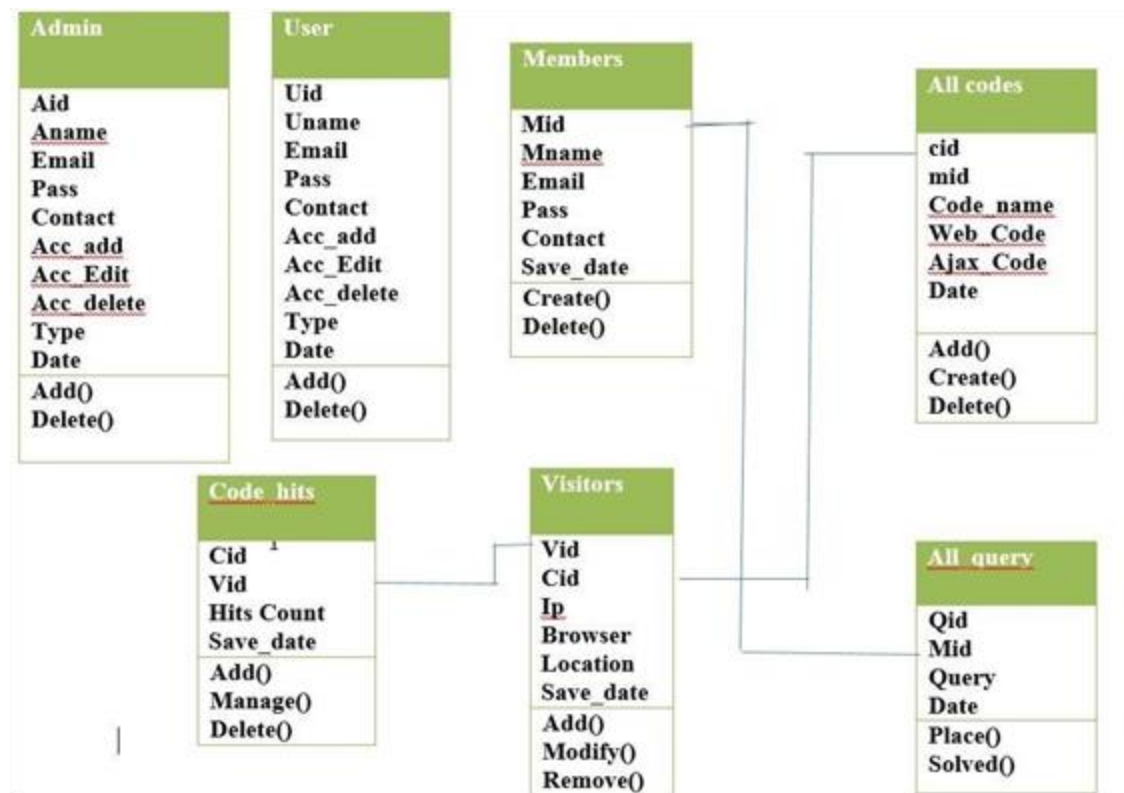
Module Hierarchy



Class Diagram







DATA DICTIONARY

DATA DICTIONARY

1. cash_memos

Attribute Name	Data type and size	Constraints	Description
cash_memos_id	Bigint(19)	Primary key (Auto Increment)	
sale_order_id	bigint(20)		Sale Order Id
customer_id	bigint(20)		Customer Id
invoice_no	Varchar(255)		Invoice Number
added_by_user_id	bigint(20)		User Id
retail_store_id	bigint(20)		Retail Store Id
memo_file	Varchar(255)		Cash Memo File
payment_mode_id	bigint(20)		Payment Mode Id

2. Customer

Attribute Name	Data type and size	Constraints	Description
Customer_id	Bigint(19)	Primary key (Auto Increment)	
company_name	Varchar(255)		Designation Name
contact_person_name	Varchar(255)		Abbreviation
Company_person_mobile	Varchar(255)		Company Person Mobile Number
company_address	Varchar(255)		Company Address
company_email	Varchar(255)		Company Email Address
is_verified	Varchar(255)		Verified Customer

3. Meetings

Attribute Name	Data type and size	Constraints	Description
Meeting_id	Bigint(19)	Primary key (Auto Increment)	
created_by_id	Bigint(19)		Meeting Created Person
client_email	Varchar(255)		Email Address
venue	Varchar(255)		Venue
date	date		Meeting Date
Start_time	dateTime		Meeting Start Time
End_time	dateTime		Meeting End Time
meeting_status_id	Bigint(19)		Meeting Status Id
sale_person_id	Bigint(19)		Sale Person Id
client_name	Varchar(255)		Client Name
is_paid	Int(11)		Client Paid Or Not
paid_amount	Double		Paid Amount

4. Follow Up Meeting

Attribute Name	Data type and size	Constraints	Description
Follow_up_meeting_id	Bigint(19)	Primary key (Auto Increment)	
Meeting_id	Bigint(19)		Meeting Id
description	Varchar(255)		Description
date	DateTime		Date
sale_person_id	Bigint(19)		Sale Person Id

5. Meeting Converted Status

Attribute Name	Data type and size	Constraints	Description
Meeting_converted_status_id	Bigint(19)	Primary key (Auto Increment)	
meeting_id	Bigint(19)		Meeting Id
amount	Double		Amount
expected_payment_date	Datetime		Payment Date
sale_person_id	Bigint(19)		Sale Person Id

6.Meeting_item_return

Attribute Name	Data type and size	Constraints	Description
Meetin_item_return_id	Bigint(19)	Primary key (Auto Increment)	
meeting_id	Bigint(19)		Meeting Id
product_id	Bigint(19)		Product Id
qty	Int(11)		Quantity
return_date	DateTime		Return Date
sale_person_id	Bigint(19)		Sale Person Id

7.meeting_mapping_item

Attribute Name	Data type and size	Constraints	Description
Meeting_mapping_item_id	Bigint(19)	Primary key (Auto Increment)	
meeting_id	Bigint(19)		Meeting Id
product_id	Bigint(19)		Product Id
qty	Int(11)		Quantity
assigned_by_id	DateTime		Assigned By Id
sale_person_id	Bigint(19)		Sale Person Id

8.meeting_review

Attribute Name	Data type and size	Constraints	Description
Meeting_review_id	Bigint(19)	Primary key (Auto Increment)	
Client_name	Varchar(255)		Start Date
Mobile_number	Varchar(255)		End Date
sale_person_id	Bigint(19)		Sale Person Id

9.product

Attribute Name	Data type and size	Constraints	Description
Product_id	Bigint(19)	Primary key (Auto Increment)	
name	Varchar(255)		Product Name
amount	Double		Price
image	Varchar(255)		Product Image
Barcode_image	Varchar(255)		Product Barcode
cgst	Double		CGST
sgst	Double		SGST

10.Quotations

Form Generator ERP system

Attribute Name	Data type and size	Constraints	Description
quotations _id	Bigint(19)	Primary key (Auto Increment)	
Meeting_id	Bigint(19)		Meeting Id
Created_by_user_id	Double		Created by user

11. quotation details

Attribute Name	Data type and size	Constraints	Description
Quotations_details _id	Bigint(19)	Primary key (Auto Increment)	
product_id	Bigint(19)		Product Id
qty	Int(11)		Quantity
modified_amount	Double		Modified Amount

12. retail_store

Attribute Name	Data type and size	Constraints	Description
Retail_store_id	Bigint(19)	Primary key (Auto Increment)	
location_id	Bigint(19)		Location Id
name	Varchar(255)		Name
address	Varchar(255)		Address

13. sale_orders

Attribute Name	Data type and size	Constraints	Description
Sale_order_id	Bigint(19)	Primary key (Auto Increment)	
location_id	Bigint(19)		Location Id
Total_amount	double		Total_ Amount
Order_referance	Varchar(255)		Order Referance
status	Varchar(255)		Status
Payment_status	Varchar(255)		Payment Status

14.users

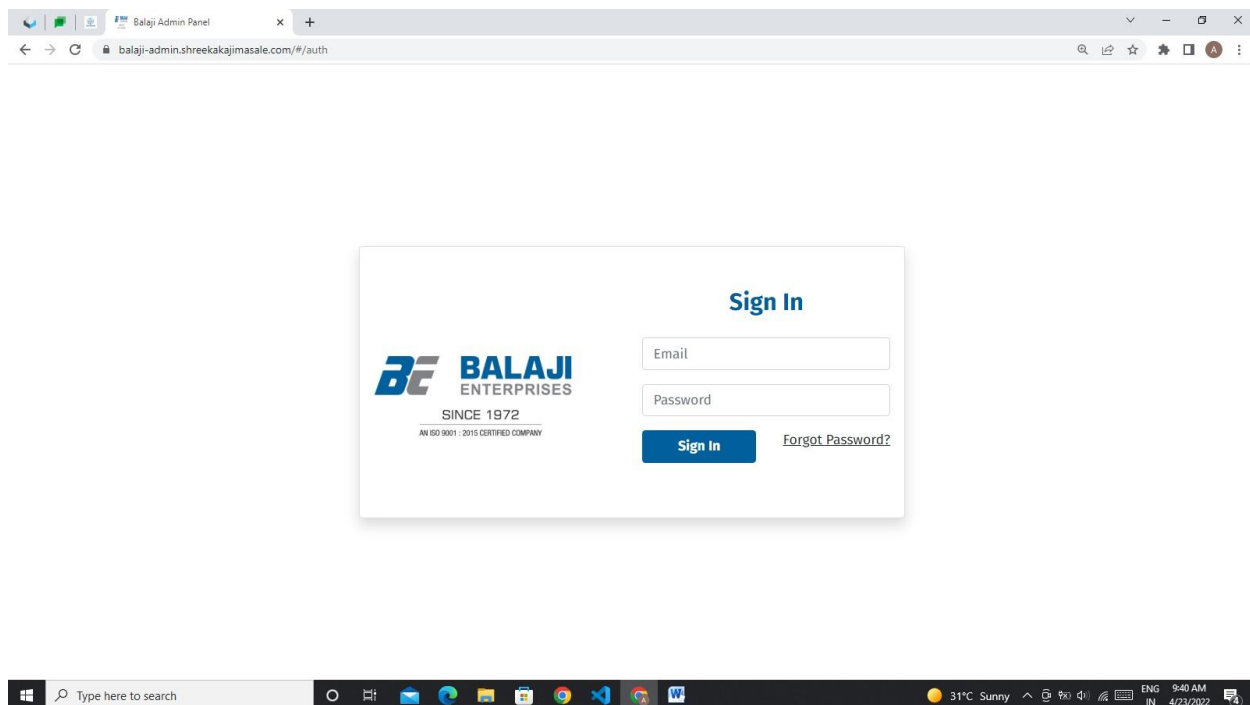
Attribute Name	Data type and size	Constraints	Description
users_id	Bigint(19)	Primary key (Auto Increment)	
name	Varchar(255)		Name
email	Varchar(255)		Email
password	Varchar(255)		Password
Location_id	Varchar(255)		Location Id
Last_login_at	DateTime		Last Log In Time
Mobile_number	Varchar(255)		Mobile Number
description	Varchar(255)		Description

15. Role

Attribute Name	Data type and size	Constraints	Description
id	bigint(19)	Primary key (Auto Increment)	
name	varchar(255)		Role Name
guard_name	varchar(255)		Guard Name

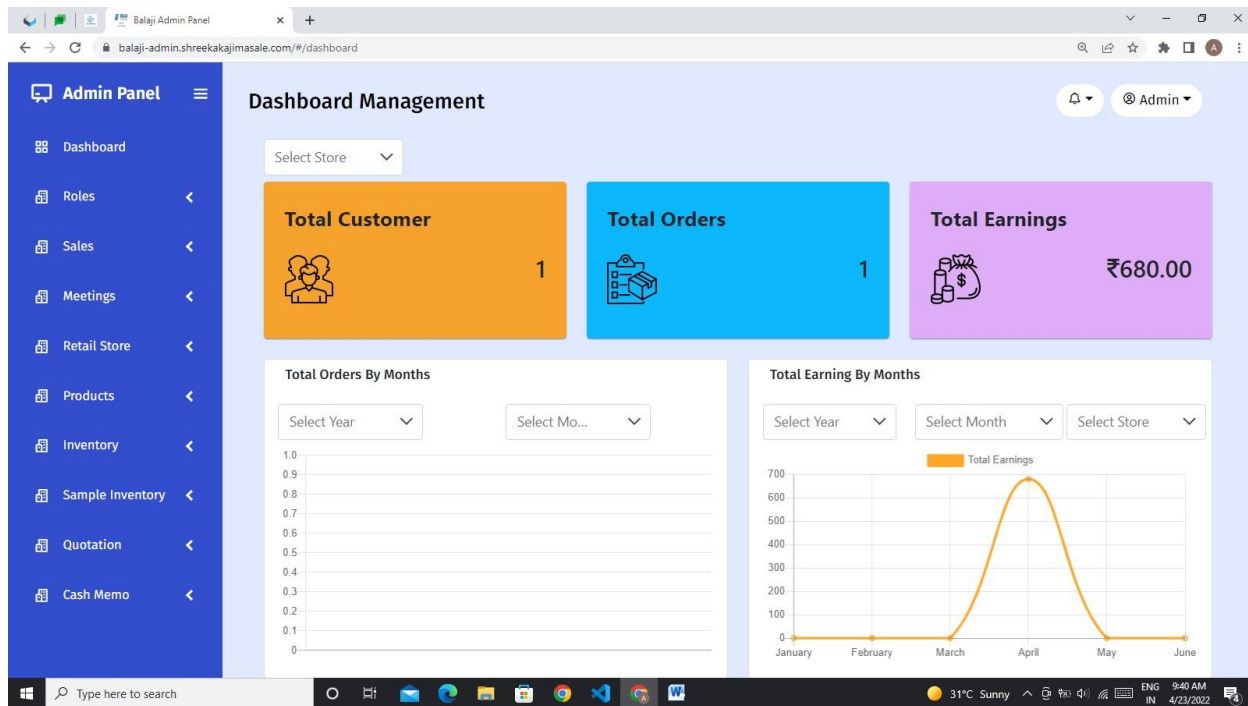
SCREENSHOTS

Login Page



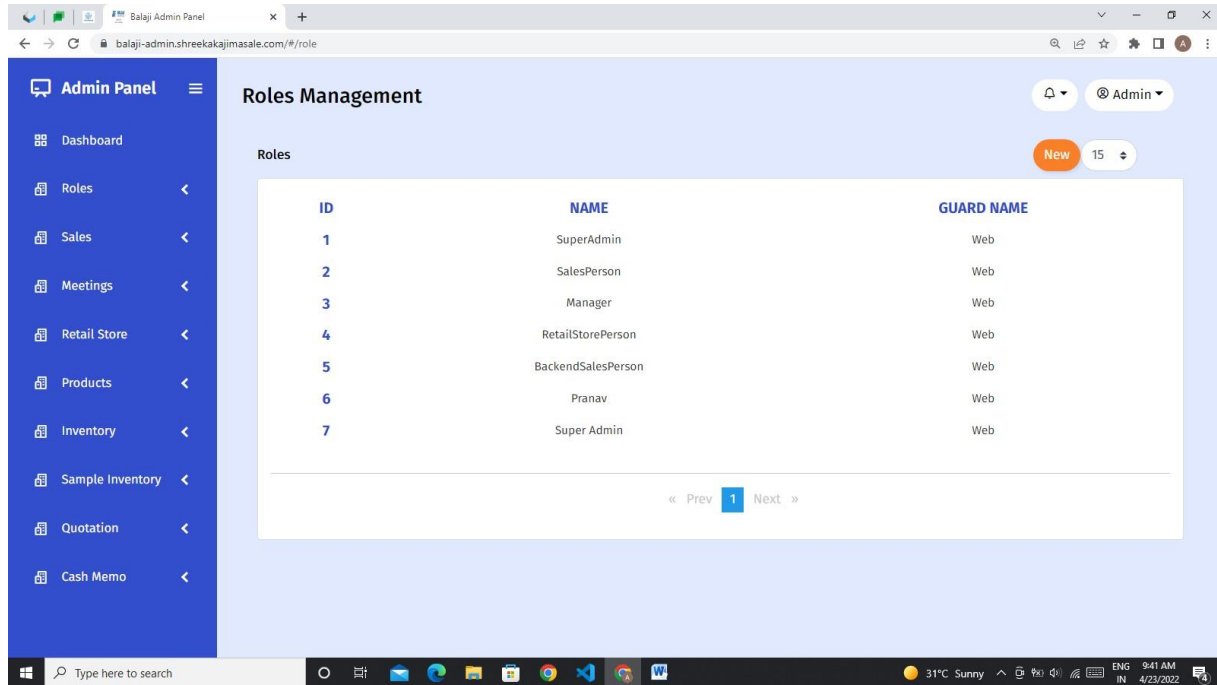
This is a login page from where admin, retail store person and backend sales person can login. Email id and password are the credentials for login.

Dashboard



After successful login user reflect on dashboard which shows the count of customer, orders and total earning. For these count there is one filter as per retail store. Another part total earning by months for these also have filter which is based on month as well as retail store.

Roles Management



ID	NAME	GUARD NAME
1	SuperAdmin	Web
2	SalesPerson	Web
3	Manager	Web
4	RetailStorePerson	Web
5	BackendSalesPerson	Web
6	Pranav	Web
7	Super Admin	Web

Next tab is roles i.e. roles management. here is the list of all roles which will assign to user. Only admin can create and manage roles management part.

Onfield Sale Person

The screenshot shows the Balaji Admin Panel interface. The sidebar menu on the left includes the following items: Admin Panel, Dashboard, Roles, Sales, Onfield Sales, Backend Sales, Meetings, Retail Store, Products, Inventory, Sample Inventory, and Quotation. The main content area is titled 'Sales Person Management' and displays a table of 'Onfield Sales Person' data. The table has the following columns: ID, NAME, EMAIL, MOBILE NO, and ACTION. The data row shows ID 1, NAME Rohit Onfield Sales, EMAIL Rohit@Gmail.Com, and MOBILE NO 9970727717. There is a 'New' button and a dropdown menu with '15' in the top right corner. The bottom of the screenshot shows a Windows taskbar with various application icons and system information.

ID	NAME	EMAIL	MOBILE NO	ACTION
1	Rohit Onfield Sales	Rohit@Gmail.Com	9970727717	

Next tab is sales person and it is divided into two parts one is onfield sales persons. Here is the list of all the onfield sales person and also have a pop up form to create an onfield sales person.

Backend Sale Person

Sales Person Management

Back-End Sales Person

ID	NAME	EMAIL	MOBILE NO	ACTION
1	Ajinkya Sales	Aic.Pajinkya@Gmail.Com	7066877846	

« Prev 1 Next »

Another part is Backend sales persons. Here is the list of all the Backend sales person and also have a pop up form to create a Backend sales person.

Meeting Management

Meeting Management

Filter By

Select Status:

Select Sales Person:

Status

- Active (Blue circle)
- Follow Up (Green circle)
- Positive (Yellow circle)
- Converted (Green circle)
- Other (Brown circle)
- Negative (Red circle)

Meeting

New 15

ID	MEETING NAME	DATE	START TIME	END TIME	CLIENT MOBILE NO	VENUE	CREATED BY	ASSIGNED TO	ACTION
1	Converted	Apr 19, 2022	11:06:00 AM	2:09:00 PM	9900878745	Swargate	Admin	Rohit Onfield Sales	
2	Active	Apr 23, 2022	9:47:00 AM	12:47:00 AM	9970727717	Swargate	Admin	Rohit Onfield Sales	

« Prev 1 Next »

This is meeting management part in which there is a list of meetings. This list can filter by meeting status which are Active, Converted, Follow-Up, Positive, Negative and Other. From here we can create an meeting also.

Meeting Details

Admin Panel

- Dashboard
- Roles
- Sales
- Meetings
 - Create Meeting
 - Meeting Status
- Retail Store
- Products
- Inventory
- Sample Inventory
- Quotation

Meeting Details Management

Meeting Details | Assigned Products | Meeting Reviews | Meeting Follow-Ups

Meeting Details

Company Name	Company Mobile Number	Company Email	Date
Ambani	9900878745	ambani@gmail.com	Apr 19, 2022
Venue	Start Time	End Time	Meeting Status
Swargate	Apr 19, 2022, 11:06:00 AM	Apr 19, 2022, 2:09:00 PM	Converted
Payment Status	Excepted Payment Date	Amount	
Unpaid	Mar 26, 2022, 12:00:00 AM	200	

Assigned To

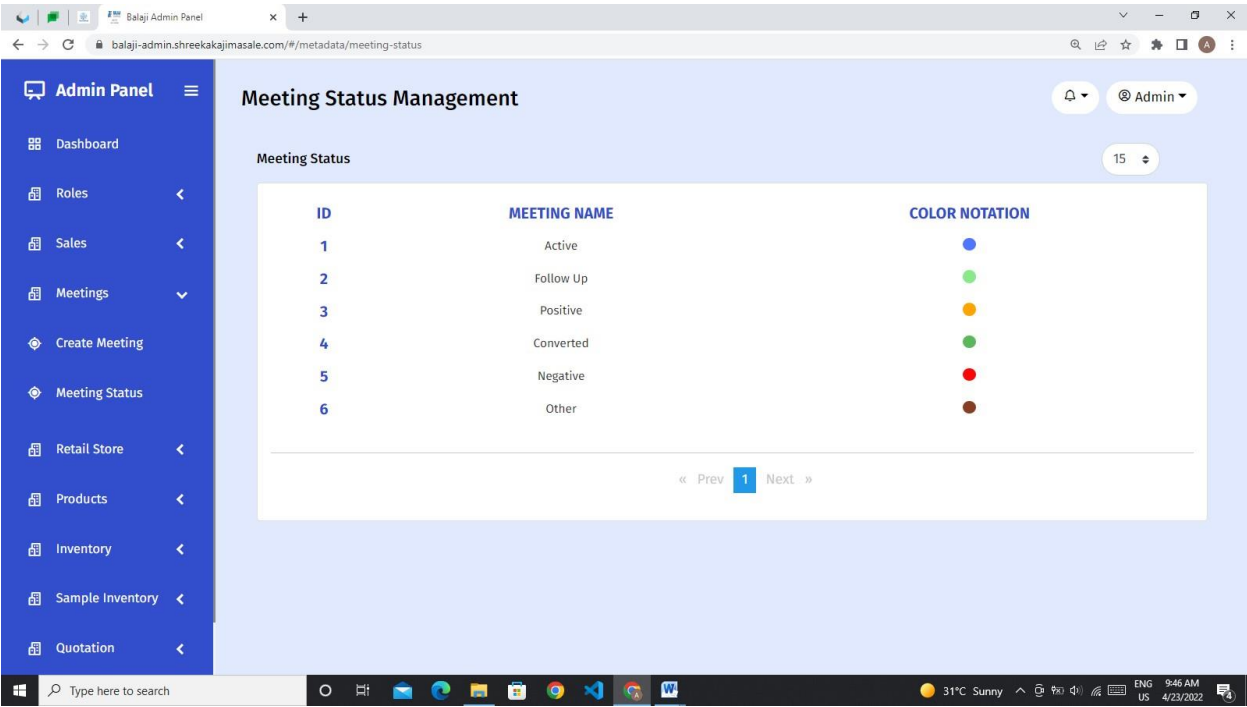
Name	Email	Mobile Number
Rohit Onfield Sales	rohit@gmail.com	9970727717

Created By

Name	Email	Mobile Number
Admin	admin@gmail.com	NA

Next is meeting details, when you click on eye icon of the meeting section you will be reflected on meeting details section. In this section there are four tabs meeting details, assigned products, meeting reviews, meeting follow-up.

Meeting Status



This is the part of meeting status.

Retail Store Management

Retail Store Management

Retail Store

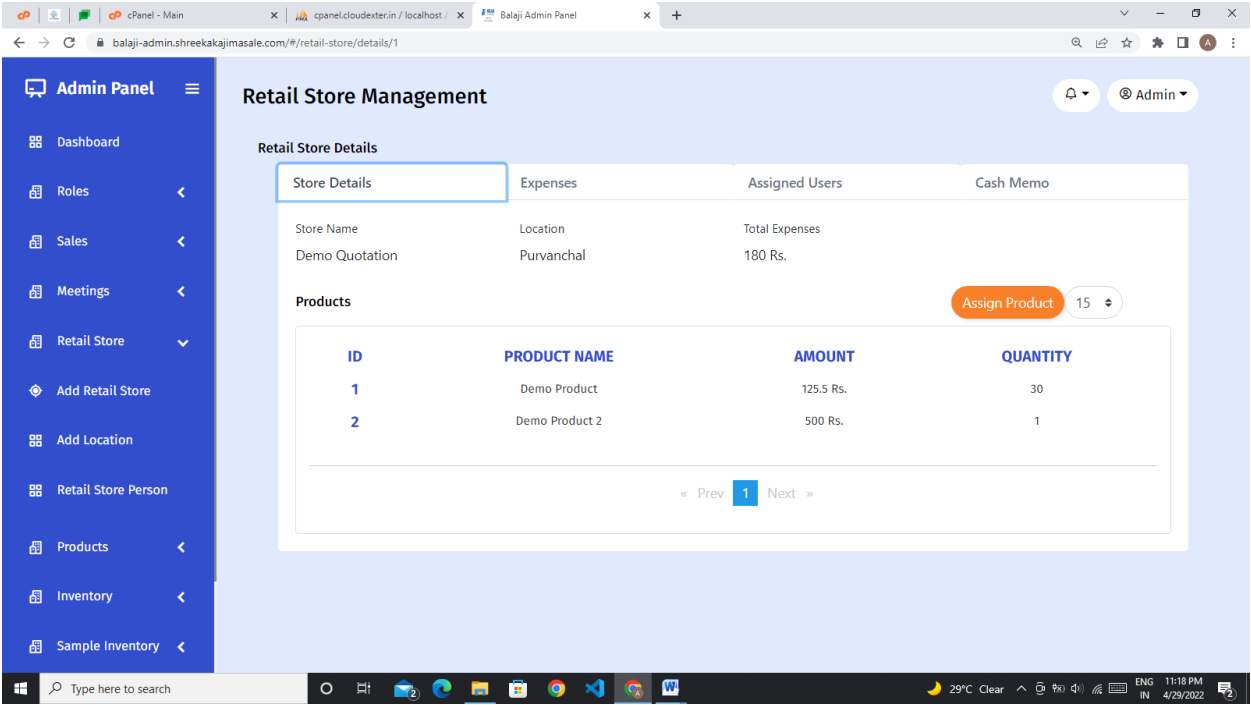
New 15

ID	STORE NAME	LOCATION	ACTION
1	Demo Quotation	Purvanchal	View Edit Delete
2	Kasba Peth 1	Kasba Peth	View Edit Delete

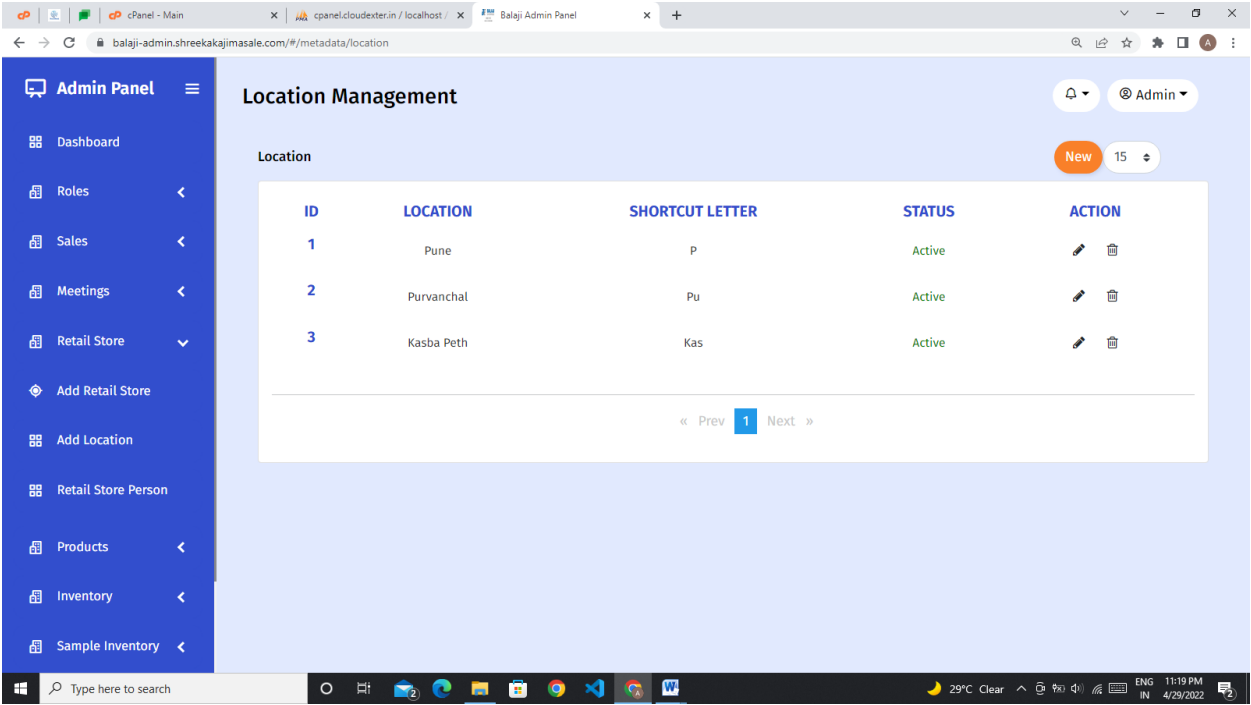
« Prev 1 Next »

Here is the list of all the retail store and also can create a new retail store.

Retail Store Details



Location Management



Retail Store Person

Retail Store Management

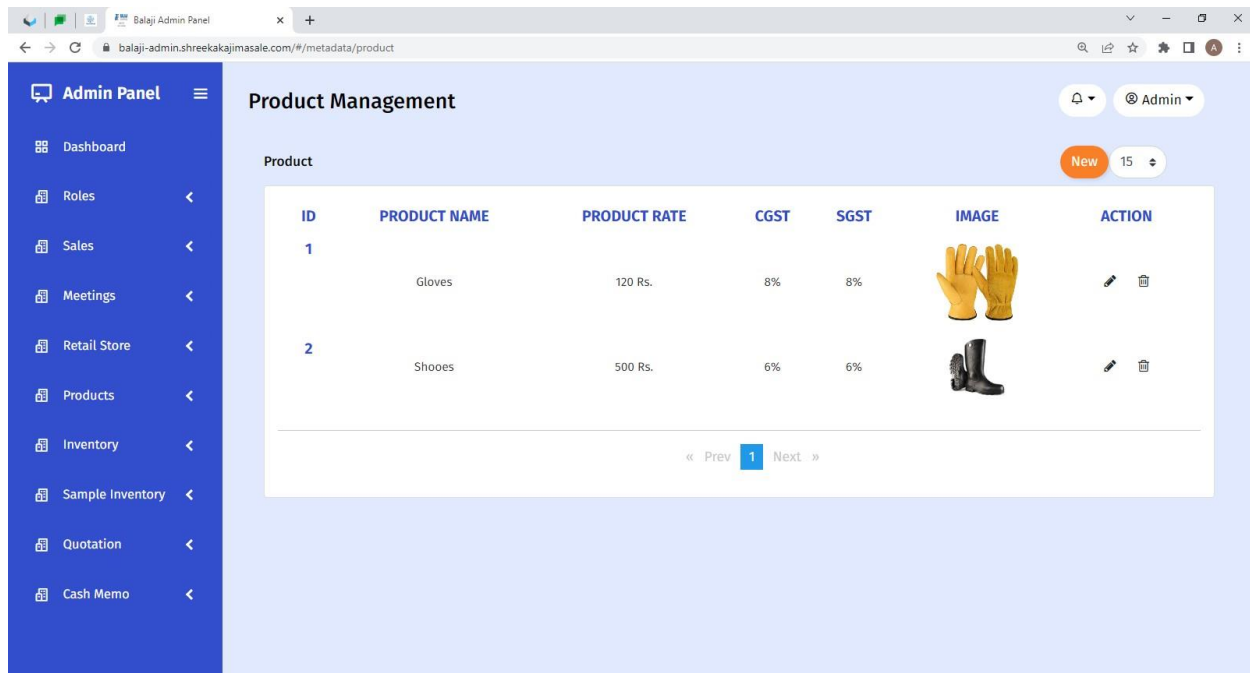
Retail Store Person

ID	NAME	EMAIL	MOBILE NO.	ACTION
1	Retail Person	Ghodkerohit1@Gmail.Com	9762434446	Assign Store

« Prev 1 Next »

51 | Page

Products Management



The screenshot displays the 'Product Management' section of the 'Balaji Admin Panel'. The interface features a sidebar on the left with navigation links: Admin Panel, Dashboard, Roles, Sales, Meetings, Retail Store, Products, Inventory, Sample Inventory, Quotation, and Cash Memo. The main content area shows a table of products. The table has columns for ID, Product Name, Product Rate, CGST, SGST, Image, and Action. There are two products listed: 'Gloves' and 'Shoos'. The 'Gloves' product has a rate of 120 Rs. and 8% CGST/SGST. The 'Shoos' product has a rate of 500 Rs. and 6% CGST/SGST. The 'Action' column contains edit and delete icons for each product. The interface also includes a top bar with a notification bell, a user profile dropdown for 'Admin', and a 'New' button. A pagination bar at the bottom of the table shows '« Prev 1 Next »'.

ID	PRODUCT NAME	PRODUCT RATE	CGST	SGST	IMAGE	ACTION
1	Gloves	120 Rs.	8%	8%		 
2	Shoos	500 Rs.	6%	6%		 

Inventory

Admin Panel

- Dashboard
- Roles
- Sales
- Meetings
- Retail Store
- Products
- Inventory
- Inventory Details
- Inventory-Log
- Sample Inventory
- Quotation

Inventory Management

Inventory

New 15

ID	PRODUCT NAME	AVAILABEL QUANTITY	AMOUNT	ACTION
1	Gloves	10	120 Rs.	

« Prev 1 Next »

31°C Sunny 9:51 AM 4/23/2022

Inventory Log

The screenshot displays the 'Inventory Log Management' page within the 'Balaji Admin Panel'. The interface features a blue sidebar on the left with a menu containing: Admin Panel, Dashboard, Roles, Sales, Meetings, Retail Store, Products, Inventory (expanded), Inventory Details, Inventory-Log, Sample Inventory, and Quotation. The main content area is titled 'Inventory Log Management' and includes a notification bell, a user profile 'Admin', and a dropdown menu set to '15'. Below this is a table with the following data:

ID	PRODUCT NAME	AMOUNT	QUANTITY
1	Gloves	120 Rs.	10

At the bottom of the table, there is a pagination control showing '« Prev 1 Next »'. The Windows taskbar at the bottom indicates the system time as 9:51 AM on 4/23/2022, with a weather forecast of 31°C Sunny.

Sample Inventory

Admin Panel

Dashboard

Roles

Sales

Meetings

Retail Store

Products

Inventory

Sample Inventory

Sample Inventory Details

Sample Inventory Log

Quotation

Sample Inventory Management

Sample Inventory

New15

ID	PRODUCT NAME	AVAILABEL QUANTITY	AMOUNT	ACTION
1	Gloves	136	120 Rs	
2	Shooes	10	500 Rs	

«

Prev

1

Next

»

Sample Inventory Log

The screenshot displays a web application titled "Sample Inventory Management". On the left is a blue sidebar menu with the following items: Admin Panel, Dashboard, Roles, Sales, Meetings, Retail Store, Products, Inventory, Sample Inventory (expanded), Sample Inventory Details, Sample Inventory Log, and Quotation. The main content area has a header "Sample Inventory Management" with a bell icon and a user profile "Admin". Below this is a "Sample Inventory" section with a "New" button and a count of "15". A table lists inventory items with columns: ID, SALES PERSON NAME, EMAIL, MOBILE NUMBER, PRODUCT NAME, PRODUCT RATE, and QUANTITY. The table contains one row with ID 1, Sales Person Name Rohit Onfield Sales, Email Rohit@Gmail.Com, Mobile Number 9970727717, Product Name Gloves, Product Rate 120 Rs, and Quantity NA. Below the table is a pagination control showing "« Prev 1 Next »". The browser's address bar shows the URL "balaji-admin.shreeakajimasale.com/#/metadata/sample-inventory-log". The Windows taskbar at the bottom shows the search bar, various application icons, and system status information: 31°C Sunny, 9:53 AM, 4/23/2022.

ID	SALES PERSON NAME	EMAIL	MOBILE NUMBER	PRODUCT NAME	PRODUCT RATE	QUANTITY
1	Rohit Onfield Sales	Rohit@Gmail.Com	9970727717	Gloves	120 Rs	NA

Quotation Management

Admin Panel

- Dashboard
- Roles
- Sales
- Meetings
- Retail Store
- Products
- Inventory
- Sample Inventory
- Quotation
- Add Quotation
- Payment Mode

Quotation Management

Quotation

New 15

ID	NAME	TOTAL AMOUNT	CREATED BY	ACTION
1	Ambani	1200	Admin	
2	Tata Steel	7440	Admin	

« Prev 1 Next »

Type here to search

31°C Sunny 9:54 AM 4/23/2022

Quotation Details

Admin Panel

- Dashboard
- Roles
- Sales
- Meetings
- Retail Store
- Products
- Inventory
- Sample Inventory
- Quotation
- Add Quotation
- Payment Mode

Quotation Management

Quotation Details

Product Details

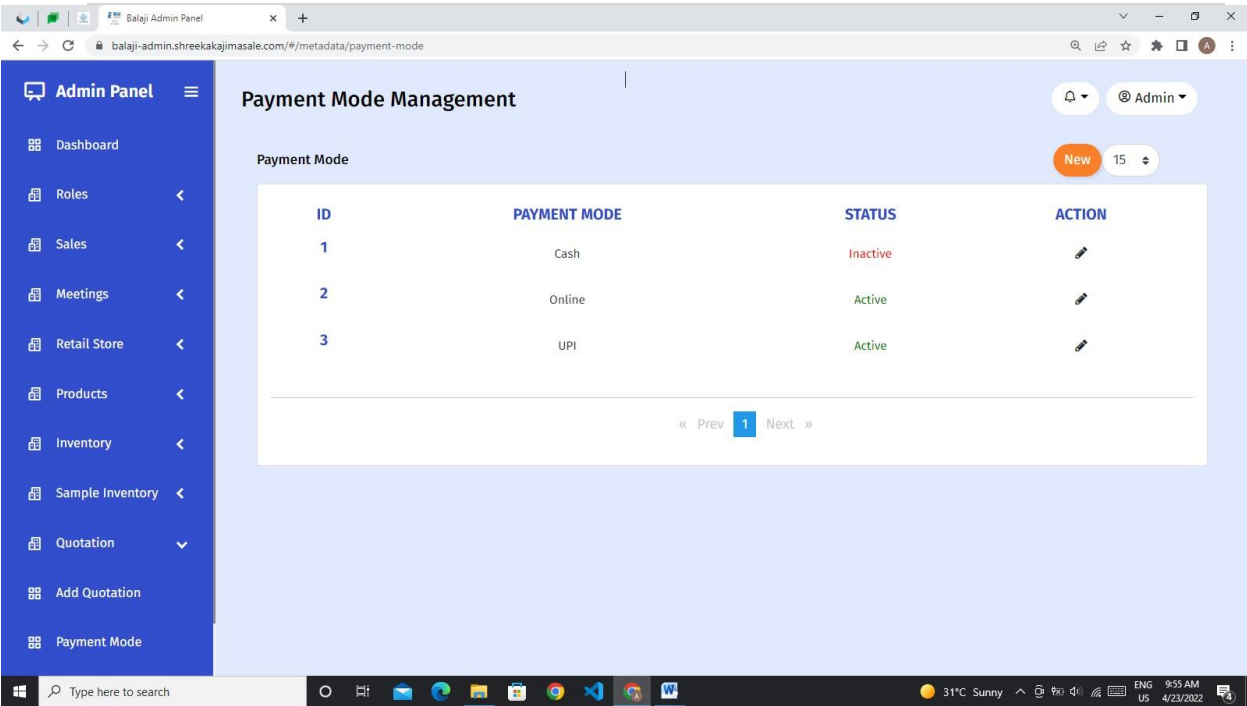
Products

ID	PRODUCT NAME	QUANTITY	PRODUCT RATE	CGST	SGST	IMAGE	BARCODE IMAGE
1	Gloves	10	120.00 Rs.	9.60 Rs.	9.60 Rs.		

« Prev 1 Next »

31°C Sunny 9:54 AM 4/23/2022

Payment Mode



Cash Memo

The screenshot displays the 'Cash Memo Management' page within the 'Balaji Admin Panel'. The interface features a blue sidebar on the left with a menu containing: Admin Panel, Dashboard, Roles, Sales, Meetings, Retail Store, Products, Inventory, Sample Inventory, Quotation, and Cash Memo. The main content area has a light blue header with the title 'Cash Memo Management' and a user profile 'Admin'. Below the header, there is a 'Cash Memo' section with a 'New' button and a count of '15'. A table lists the cash memos with columns: ID, INVOICE NO, RETAIL STORE NAME, ORDER REFERENCE, TOTAL AMOUNT, ORDER STATUS, and ACTION. The first entry has ID 1, INVOICE NO M/1/2022, RETAIL STORE NAME MK Gents Shop, ORDER REFERENCE 1650262501128, TOTAL AMOUNT 680 Rs, and ORDER STATUS Delivered. The table includes a 'Details' button for each entry. At the bottom of the table, there are navigation links: « Prev, 1, Next ».

ID	INVOICE NO	RETAIL STORE NAME	ORDER REFERENCE	TOTAL AMOUNT	ORDER STATUS	ACTION
1	M/1/2022	MK Gents Shop	1650262501128	680 Rs	Delivered	Details

Cash Memo Details

Cash Memo Details Management Success

Cash Memo Details Cash Memo Invoice

Invoice Number : **M/1/2022** Order Reference Number : **1650262501128**

Customer Details		Order Details	
Store Name	Address	Total Amount	Total Amount(Without GST)
MK Gents Shop	NA	680 Rs.	664 Rs.
Order Status	Payment Status	Payment Mode	
Delivered	Paid	Online	
Customer Details			
Customer Name	Contact Person Name	Company Person Contact	Company Address
Chintavio Construction	Avadhut Kale	9090232312	NA

Cash Memo Template

Balaji Admin Panel x +

balaji-admin.shreekakajimasale.com/#/cash-memo/cashmemo-template/1

Admin Panel

- Dashboard
- Roles
- Sales
- Meetings
- Retail Store
- Products
- Inventory
- Sample Inventory
- Quotation
- Cash Memo

Cash Memo Template Management Success x

Cash Memo Template Generate PDF

CASH MEMO

Invoice Number : M/1/2022
Date : 23.04.2022
Valid For : 30 Days

BALAJI ENTERPRISES
SINCE 1972
AN ISO 9001 : 2015 CERTIFIED COMPANY

Customer Information

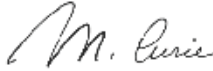
Company Name: Chintavio Construction
Address: NA
Kind Attn: Avadhut Kale E-Mail: chintavi@gmail.com
Contact No.: 9090232312 GST No.: NA

SR. NO.	DESCRIPTION OF GOODS	IMAGE	HSN/SAC	QTY	UNIT	UNIT PRICE(RS)	CGST(RS)	SGST(RS)	NET PRICE
1	Gloves		123	5	-	120	9.60	9.60	696.00

Type here to search

33°C Sunny 9:57 AM 4/23/2022

Generated PDF

CASH MEMO		 BALAJI ENTERPRISES							
Invoice Number :	M/1/2022	SINCE 1972							
Date :	23.04.2022	AN ISO 9001 : 2015 CERTIFIED COMPANY							
Valid For :	30 Days								
Customer Information									
Company Name:	Chintavio Construction								
Address:	NA								
Kind Attn:	Avadhut Kale	E-Mail:	chintavi@gmail.com						
Contact No.:	9090232312	GST No.:	NA						
SR. NO.	DESCRIPTION OF GOODS	IMAGE	HSN/SAC	QTY	UNIT	UNIT PRICE(RS)	CGST(RS)	SGST(RS)	NET PRICE
1	Gloves		123	5	-	120	9.60	9.60	696.00
Total		-	-	-	-	-	-	Rs:	696.00
Amount Chargeable (In Words): Six Hundred Eighty Rupees Only								F & DF	
Delivery:	Within 3-4 weeks for Safety Shoes and Within a week for Safety Helmet from the date of receipt of your confirmed order								
Payment:	Net 30 days from Delivery Date								
Transport:	Free to your works								
KOTAK BANK ACCOUNT									
Bank Name	Kotak Mahindra Bank								
A/C No.	69TJ002189								
IFSC	KRRK0000726								
Branch Name	Nagras Road, Aurangabad								
Account Type	Current Account								
For Balaji ENTERPRISES									
									
BALAJI ENTERPRISES									
Address: Vasucha House, 1st Floor, Baner, Pune 411045 Tel: 020 2729 3001 / 02 / 03									
Mobile: +91 9225544102 sales@balajientpune.com www.balajientpune.com									

TESTING

Software testing is an investigation conducted to provide stakeholders with information about the quality of product or service under test. Software testing can also provide an objective, independent view of the software to allow the business to appreciate and understand the risk of implementation. Test techniques include, but are not limited to, the process of executing the program or application with the intent of finding software bugs (errors or other defects).

It involves the execution of a software component or system component to evaluate one or more properties of interest. In general, these properties indicate the extent to which the component or system under test:

- Meets the requirements that guided its design and development.
- Responds correctly to all kinds of inputs.
- Performs its functions within an acceptable time is sufficiently usable.
- Can be installed and run in its intended environments and
- Achieves the general result its stakeholders desire.

As the number of possible tests for even simple software component is practically infinite, all software testing uses some strategy to select tests that are feasible for the available time and resources. As a result, software testing typically (but not exclusively) attempts to execute a program or application with the intent of finding software bugs (errors or other defects). Software testing can provide objective, independent information about the quality of software and risk of its failure to users and sponsors.

Software testing can be conducted as soon as executable software (even is partially complete) exists. The overall approach to software development often determines when and how testing is conducted.

- **Black Box Testing**

Black-box testing focuses on the functional requirement of the software, i.e. Black-box testing enables the software engineer to derive sets of input conditions that will fully exercise all functional requirements for a program. Black-box testing attempts to find errors in the following categories.

- Incorrect or missing functions
- Interface errors
- Errors in data structures or external database access
- Performance errors
- Initialization and termination errors

- **White Box Testing**

White-box testing sometimes called glass-box testing is test case design method that uses the control structure of the procedural design to derive test cases. Using white-box testing methods the software engineer can derive test cases that guarantee that all independent path within a module have been exercised at least once.

- **Unit Testing**

Unit testing focuses verification effort on the smallest unit of software design that is the module. Using procedural design description as a guide, important control paths are tested to uncover errors within the boundaries of the module. The unit test is normally white box testing oriented and the step can be conducted in parallel for multiple modules.

- **Validation Testing**

At the end of testing software is completely assembled as a package. Validation testing is the next stage, which can be defined as successful when the software functions in the manner reasonably expected by the customer. Reasonable expectations are those defined in the software requirements specifications.

- **System Testing**

System testing is actually a series of different tests whose primary purpose is to fully exercise the computer based system. Although each test has a different purpose all work to verify that all system elements have been properly integrated to perform allocated functions.

In this we tested whether a different software and hardware elements of a system working properly or not such as mouse is giving right input to input module or not.

USER MANUAL

Admin :-

Step 1 : Login to the web application with given Id and password. If password lost then recover from recovery password link. new password will sent on email.

Step 2. On dashboard user Will get short report about project. Included All Code. Code hits, Visitors, Query's & Total Users Registers and Top 5 hits Codes and Top 5 Recent codes added by users.

Step 3. To manage Data click on add data button. It will show you system that. By default it will open all members tab. Where you can mange all members that register to site. we can delete them from our site also by just click on delete button followed by name.

Step 4. Second Tab Hits Will Provide all Code with their views means is will shows code that are open & viewed by other members.

Step 5.. Third tab All code will show you all code that created by members in system. We can manage that all codes . we can delete that code by just click delete button followed by code name.

Step 6. Fourth Tab All visitors will show you All visitors to codes in our system. It will show your IP address , Browser Which user to open website and location and time of the visitors.

Step 7. Fifth tab All Users Will show All admin user in system. We can create new user to system to manage the site and we can provide different access to them.

Step 8: Sixth Tab All query will show all feedback submitted by members along with their contact details.

Form Generator ERP system

Step 9.To Update our Profile click on profile menu.

Step 10. This Application Form encryption tool to encrypt data and decrypt data. Click on Encryption Tools to use it. It will generate each time new encrypted key for same data.

Step 11. Next Function provided by system is form tools. To Check Complete use of the form tools check video on below link.

<https://youtube.com?tv=askljdsad>

Step 12. Click on Logout to logout from system.

Limitations :

- Still working on it have some bugs and issues
- Will done some change on the basis of client requirements

Proposed Enhancements

The proposed enhancements of this system are as follows:

- The android application is still going on for the system

CODE

Controller.php

<?php

```
namespace App\Http\Controllers\V1\Admin;

use App\Http\Controllers\Controller;
use App\Http\Controllers\V1\GlobalConstantsRoles;
use App\Models\User;
use Carbon\Carbon;
use Exception;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Auth;
use Illuminate\Support\Facades\Hash;
use Illuminate\Support\Facades\Mail;
use Illuminate\Support\Facades\Validator;
use Spatie\Permission\Models\Role;
use Tymon\JWTAuth\Facades\JWTAuth;

class AuthController extends Controller
{
    public function adminRegister(Request $request)
    {
        try {
            $validator = Validator::make($request->all(), [
                'name' => 'required|string|max:255',
                'email' => 'required|string|email|max:255|unique:users',
                'password' => 'required|string|min:6|confirmed',
            ]);
            if ($validator->fails()) {
                return $this->sendError('Validation Error.', $validator->errors());
            }
            $newUser = new User();
            $newUser->password = Hash::make($request['password']);
            $newUser->name = $request->name;
            $newUser->email = $request->email;
            $newUser->last_login_at = Carbon::now();

            $role = Role::where('name', GlobalConstantsRoles::Admin)->first();
            $newUser->assignRole($role);
            $newUser->save();
            $token = JWTAuth::fromUser($newUser);
```

```

        $response = ['token' => $token];
        $response['userData'] = $newUser;
        return $this->sendResponse($response, 'Registered Successfully', true);
    } catch (Exception $e) {
        return $this->sendError('Something Went Wrong', $e, 413);
    }
}

public function adminLogin(Request $request)
{
    try {
        $validator = Validator::make($request->all(), [
            'email' => 'required|email',
            'password' => 'required|string|min:6',
        ]);
        if ($validator->fails()) {
            return $this->sendError('Validation Error.', $validator->errors());
        }
        $user = \App\Models\User::where('email', $request->email)->whereHas(
            'roles', function ($q) {
                $q->where('name', GlobalConstantsRoles::Admin);
            })->first();
        if ($user) {
            if (Hash::check($request->password, $user->password)) {
                Auth::login($user);
                $token = JWTAuth::fromUser($user);
                $response = ['token' => $token];
                $response['userData'] = $user;
                return $this->sendResponse($response, 'Login Success', 200);
            } else {
                return $this->sendError('Password mismatch', [], 422);
            }
        } else {
            return $this->sendError('User does not exist or user doesn\'t have
access', [], 200);
        }
    } catch (Exception $e) {
        return $this->sendError('Something Went Wrong', $e->getMessage(),
413);
    }
}

public function forgetPassword(Request $request)
{
    $validator = Validator::make($request->all(), [
        'email' => 'required|string|email|max:255',
    ]);
    if ($validator->fails()) {
        return $this->sendError('Validation Error.', $validator->errors());
    }
}

```

Form Generator ERP system

```
$user = User::where('email', $request->email)->first();
if (!$user) {
    return $this->sendError('Email Id does Not Exist', [], 403);
}

$otp = rand(1000, 9999);
$user->forget_password_otp = $otp;
$user->forget_password_timestamp = Carbon::now();
$user->save();

$to_name = $user->name;
$to_email = $user->email;

$data = array('otp' => $otp);

Mail::send('emails.forgetPassword', $data, function ($message) use
($to_name, $to_email) {

    $message->to($to_email, $to_name)
        ->subject('Otp For New Password');
    $message->from(env('MAIL_FROM_ADDRESS'), 'MaarsLMS System
Mail');

});

return $this->sendResponse([], 'Otp Send Successfully', true);

}

public function changeForgetPassword(Request $request)
{
    try {
        $validator = Validator::make($request->all(), [
            'email' => 'required|string|email|max:255',
            'otp' => 'required|numeric',
            'new_password' => 'required|string',
        ]);
        if ($validator->fails()) {
            return $this->sendError('Validation Error.', $validator->errors());
        }

        $user = User::where('email', $request->email)->first();
        if (!$user) {
            return $this->sendError('Email Id does Not Exist', [], 200);
        }

        $to = Carbon::createFromFormat('Y-m-d H:i:s', $user-
        >forget_password_timestamp);
```

Form Generator EPP system
`$from = Carbon::createFromFormat('Y-m-d H:i:s', Carbon::now());`

```
        $time_diff = $to->diffInMinutes($from);
        if ($time_diff > 5) {
            return $this->sendError('Time Limit Expired', [], 200);
        }

        if ($user->forget_password_otp != $request->otp) {
            return $this->sendError('Invalid Otp !', [], 200);
        }

        $user->password = Hash::make($request->new_password);
        $user->save();

        return $this->sendResponse([], 'Password Changed Successfully', true);

    } catch (Exception $e) {
        return $this->sendError('something Went Wrong', [$e->getMessage()],
413);
    }
}
```

Front End Code**1. Dashboard.component.html**

```

<div class="mx-5">
  <div class="row justify-content-end">
    <div class="col-sm-12" style="float: right;">
      <p-dropdown [options]="storeOption" (onChange)="metadataByStore($event)"
        optionLabel="name" [filter]="true" filterBy="name" [showClear]="true" placeholder="Select
Store">
        <ng-template let-country pTemplate="item">
          <div class="country-item">
            <div>{{country.name}}</div>
          </div>
        </ng-template>
      </p-dropdown>
    </div>
  </div>
  <div class="row">
    <div class="col-md-6 col-xl-4 mt-2">
      <p-card header="Total Customer" [style]="{'background-color': '#F5A32D'}">
        <!-- <p-header class="pHeader">Total Customer</p-header> -->
        <div class="row">
          <div class="col-sm-3">
            
          </div>
          <!-- <div class="col-sm-3">

        </div> -->
          <div class="col-sm-9" style="float: right;">
            <h3 class="hLeft">{{this.DashboardData?.totalCustomers}}</h3>
          </div>
        </div>
      </p-card>
    </div>
    <!-- <div class="col-md-6 col-xl-3 mt-2">
      <p-card header="Total Drivers" [style]="{'background-color': '#A4EE7A'}">
        <p-header class="pHeader">Total Drivers</p-header>
        <div class="row">
          <div class="col-sm-3">
            
          </div>
          <div class="col-sm-3">

        </div>
          <div class="col-sm-6">
            <h3 class="hLeft">{{this.DashboardData?.totalDrivers}}</h3>
          </div>
        </div>
      </p-card>
    </div>
  </div>

```

Form Generator ERP system

```

</div> -->
<div class="col-md-6 col-xl-4 mt-2">
  <p-card header="Total Orders" [style]="{'background-color': '#0DB7FC'}">
    <!-- <p-title class="pHeader">Total Orders</p-title> -->
    <div class="row">
      <div class="col-sm-3">
        
      </div>
      <!-- <div class="col-sm-3">

    </div> -->
    <div class="col-sm-9" style="float: right;">
      <h3 class="hLeft">{{ this.DashboardData?.totalOrders }}</h3>
    </div>
  </p-card>
</div>
<div class="col-md-6 col-xl-4 mt-2">
  <p-card header="Total Earnings" [style]="{'background-color': '#DFADF7'}">
    <!-- <p-header class="pHeader">Total Earnings</p-header> -->
    <div class="row">
      <div class="col-sm-3">
        
      </div>
      <!-- <div class="col-sm-1">

    </div> -->
    <div class="col-sm-9" style="float: right;">
      <h3 class="hLeft"><i class="fa fa-inr"></i>{{ this.DashboardData?.totalEarnings | number : '1.2-
2'}}</h3>
    </div>
  </p-card>
</div>
<div class="row">
  <div class="col-md-6">
    <div class="card mt-4">
      <h6 class="mt-2 ml-4">Total Orders By Months</h6>
      <div class="card-body">
        <div class="row mb-2">
          <div class="col-sm-6">
            <p-dropdown [options]="filterYears" [style]="{'width': '70%'}" (onChange)="filterByYear($event)"
              optionLabel="label" [filter]="true" filterBy="name" [showClear]="true" placeholder="Select
Year">
              <ng-template let-country pTemplate="item">
                <div class="country-item">
                  <div>{{ country.label }}</div>
                </div>
              </ng-template>
            </p-dropdown>

```

Form Generator ERP system

```
</div>
<div class="col-sm-6">
  <p-dropdown [options]="filterMonths" [style]="{'width': '70%'}"
(onChange)="ordersByMonth($event)"
  optionLabel="label" [filter]="true" filterBy="name" [showClear]="true" placeholder="Select
Month Range">
  <ng-template let-country pTemplate="item">
    <div class="country-item">
      <div>{{country.label}} </div>
    </div>
  </ng-template>
</p-dropdown>
</div>

</div>
<p-chart type="bar" [data]="basicData" [options]="basicOptions"></p-chart>
</div>
</div>
</div>
<div class="col-md-6">
  <div class="card mt-4">
    <h6 class="mt-2 ml-4">Total Earning By Months</h6>
    <div class="card-body">
      <div class="row mb-2">
        <div class="col-sm-4">
          <p-dropdown [options]="filterYears" (onChange)="filterByYear($event)"
            optionLabel="label" [filter]="true" filterBy="name" [showClear]="true" placeholder="Select
Year">
            <ng-template let-country pTemplate="item">
              <div class="country-item">
                <div>{{country.label}} </div>
              </div>
            </ng-template>
          </p-dropdown>
        </div>
        <div class="col-sm-4">
          <p-dropdown [options]="filterMonths" (onChange)="earningByMonth($event)"
            optionLabel="label" [filter]="true" filterBy="name" [showClear]="true" placeholder="Select
Month">
            <ng-template let-country pTemplate="item">
              <div class="country-item">
                <div>{{country.label}} </div>
              </div>
            </ng-template>
          </p-dropdown>
        </div>
        <div class="col-sm-4">
          <p-dropdown [options]="storeOption" (onChange)="earningByStore($event)"
            optionLabel="name" [filter]="true" filterBy="name" [showClear]="true" placeholder="Select
Store">
            <ng-template let-country pTemplate="item">
```

Form Generator ERP system

```
<div class="country-item">
  <div>{{country.name}}</div>
</div>
</ng-template>
</p-dropdown>
</div>
</div>
<p-chart type="line" [data]="earningData" [options]="basicOptions"></p-chart>
</div>
</div>
</div>
<!-- <div class="row">
<div class="col-md-12">
<div class="card mt-4">
<div class="row">
<div class="col-md-6">
<h6 class="mt-2 ml-4">Orders</h6>
<div class="card-body">
<p-chart type="doughnut" height="334%" [data]="data"></p-chart>
</div>
</div>
<div class="col-md-6 mt-2">
<div class="row mr-2 mt-2">
<div class="col-md-6 mt-2">
<p-card header="Delivered Orders" [style]="{'background-color': '#32CD32'}">
<div class="row">
<div class="col-sm-3">

</div>
<div class="col-sm-3">

</div>
<div class="col-sm-6">
<h3 class="hLeft">{{this.DashboardData?.totalDeliveredOrders}}</h3>
</div>
</div>
</p-card>
</div>
<div class="col-md-6 mt-2">
<p-card header="Cancelled Orders" [style]="{'background-color': '#FF6347'}">
<div class="row">
<div class="col-sm-3">

</div>
<div class="col-sm-3">

</div>
<div class="col-sm-6">
<h3 class="hLeft">{{this.DashboardData?.totalCancelOrders}}</h3>
```

Form Generator ERP system

```
</div>
</div>
</p-card>
</div>
</div>
<div class="row mr-2 mt-2">
  <div class="col-md-6 mt-2">
    <p-card header="Pending Orders" [style]="{'background-color':'orange'}">
      <div class="row">
        <div class="col-sm-3">
          
        </div>
        <div class="col-sm-3">

          </div>
          <div class="col-sm-6">
            <h3 class="hLeft">{{ this.DashboardData?.totalPendingOrders }}</h3>
          </div>
        </div>
      </p-card>
    </div>
    <div class="col-md-6 mt-2">
      <p-card header="Assigned Orders" [style]="{'background-color':'#1E90FF'}">
        <div class="row">
          <div class="col-sm-3">
            
          </div>
          <div class="col-sm-3">

            </div>
            <div class="col-sm-6">
              <h3 class="hLeft">{{ this.DashboardData?.totalAssignedOrders }}</h3>
            </div>
          </div>
        </p-card>
      </div>
    </div>
  </div>
  </div>
  </div>
  </div>
  </div>
  </div> -->
</div>
```

2. Dashboard.component.ts

```
import { Component, OnInit } from '@angular/core';
import { zip } from 'rxjs';
import { CommonService } from 'src/app/service/common.service';
import { UserService } from 'src/app/service/user.service';

@Component({
  selector: 'app-dashboard',
  templateUrl: './dashboard.component.html',
  styleUrls: ['./dashboard.component.css']
})
export class DashboardComponent implements OnInit {

  constructor(public commonService: CommonService, private authService: UserService) {

  }
  DashboardData: any;
  filterMonths:any;
  storeOption = []
  filterYears:any;
  basicData: any;
  earningData: any;
  basicOptions: any;
  data: any;
  totalOrder: any;
  totalEarning: any;
  orderMonths=[];
  earningMonths=[];
  currentDate = new Date();
  currentYear = this.currentDate.getFullYear();
  currentMonth = this.currentDate.getMonth()+1;
  monthRange = [this.currentMonth-3,this.currentMonth-2,this.currentMonth-1,this.currentMonth,this.currentMonth+1,this.currentMonth+2]
  selectYear=[];
  selectedYear: any;
  selectedStore: any;
  selectedMonth: any;
  ngOnInit(): void {

    this.yearData()
    // this.showOrderCount()
    this.showMetaData()
    console.log(this.currentMonth.toString())
  }

  yearData(){
    var cYear = this.currentDate.getFullYear();
    let yearArray = [cYear];
    for (let i = 20; i > 1; i--) {
```

Form Generator ERP system

```
cYear = cYear-1;
yearArray.push(cYear);
}
this.selectYear = yearArray;
this.filterYears = [
  { label: this.selectYear[0] },
  { label: this.selectYear[1] },
  { label: this.selectYear[2] },
  { label: this.selectYear[3] },
  { label: this.selectYear[4] },
  { label: this.selectYear[5] },
  { label: this.selectYear[6] },
  { label: this.selectYear[7] },
  { label: this.selectYear[8] },
  { label: this.selectYear[9] },
  { label: this.selectYear[10] },
  { label: this.selectYear[11] },
  { label: this.selectYear[12] },
  { label: this.selectYear[13] },
  { label: this.selectYear[14] },
  { label: this.selectYear[15] },
  { label: this.selectYear[16] },
  { label: this.selectYear[17] },
  { label: this.selectYear[18] },
  { label: this.selectYear[19] }
]
}

// showMetaData(){
//   this.commonService.loader(true)
//   this.commonService.apiCall("get", `/api/v1/admin/getDashboardMetadata`).subscribe(
//     result=>{
//       this.commonService.loader(false)
//       if(result['success']){
//         this.DashboardData = result['data'];
//         this.doughnutChart()
//       }else{
//         // this.commonService.flashMessage('error', "Error",result['message'])
//       }
//     },error=>{
//       this.commonService.loader(false)
//       if(error.status == 403){
//         this.commonService.flashMessage('error', "Error",error['message'])
//         this.authService.logout()
//         return
//       }
//       this.commonService.flashMessage('error', "Error",error['message'])
//       // console.log(error['message'])
//     }
//   )
// }
```

Form Generator ERP system

```
showMetaData(){
  this.commonService.loader(true)
  zip(
    //
    this.commonService.apiCall("get", `/api/v1/admin/getOrdersCount?month=${this.monthRange}&year=${this.currentYear}`),
    this.commonService.apiCall("get", `/api/v1/admin/getDashboardMetadata`),

    this.commonService.apiCall("get", `/api/v1/admin/getEarningsCount?month=${this.monthRange}&year=${this.currentYear}`),
    this.commonService.apiCall('get', `/api/v1/admin/getAllRetailStores?limit=10&pageNo=0`)
  ).subscribe(([dashboardData, apiGetEarnings, retailStore])=>{
    this.commonService.loader(false)
    if(dashboardData['success']){
      this.DashboardData = dashboardData['data'];
      this.doughnutChart()
    } else {
      this.commonService.flashMessage('error', "Error", dashboardData['message'])
    }
    // if(apiGetOrder['success']){
    //   this.totalOrder = apiGetOrder['data']['totalOrdersCount'];
    //   this.orderChart()
    // } else {
    //   this.commonService.flashMessage('error', "Error", apiGetOrder['message'])
    // }
    if(apiGetEarnings['success']){
      this.totalEarning = apiGetEarnings['data']['totalEarningsCount'];
      this.earningChart()
    } else {
      this.commonService.flashMessage('error', "Error", apiGetEarnings['message'])
    }
    if(retailStore['success']){
      this.storeOption = retailStore['data']['retailStores'];
      this.earningChart()
    } else {
      this.commonService.flashMessage('error', "Error", retailStore['message'])
    }
  }, error=>{
    this.commonService.loader(false)
    if(error.status == 403){
      this.commonService.flashMessage('error', "Error", error['message'])
      this.authService.logout()
      return
    }
    this.commonService.flashMessage('error', "Error", error['message'])
    console.log(error['message'])
  }
})
}
```

Form Generator ERP system

```
orderChart(){
  this.basicData = {
    labels: [this.totalOrder[0].month, this.totalOrder[1].month, this.totalOrder[2].month,
      this.totalOrder[3].month, this.totalOrder[4].month, this.totalOrder[5].month],
    datasets: [
      {
        label: 'Total Orders',
        backgroundColor: '#42A5F5',
        data: [this.totalOrder[0].count, this.totalOrder[1].count, this.totalOrder[2].count,
          this.totalOrder[3].count, this.totalOrder[4].count, this.totalOrder[5].count]
      }
    ]
  };
}

earningChart(){
  this.earningData = {
    labels: [this.totalEarning[0].month, this.totalEarning[1].month, this.totalEarning[2].month,
      this.totalEarning[3].month, this.totalEarning[4].month, this.totalEarning[5].month],
    datasets: [
      {
        label: 'Total Earnings',
        data: [this.totalEarning[0].count, this.totalEarning[1].count, this.totalEarning[2].count,
          this.totalEarning[3].count, this.totalEarning[4].count, this.totalEarning[5].count],
        fill: false,
        borderColor: '#FFA726'
      }
    ]
  };
}

doughnutChart(){
  this.data = {
    labels: ['Delivered Order','Cancel Order','Pending Orders','Assigned Orders'],
    datasets: [
      {
        data: [this.DashboardData?.totalDeliveredOrders, this.DashboardData?.totalCancelOrders,
          this.DashboardData?.totalPendingOrders, this.DashboardData?.totalAssignedOrders],
        backgroundColor: [
          "green",
          "red",
          "orange",
          "blue"
        ],
        hoverBackgroundColor: [
          "green",
          "red",
          "orange",
          "blue"
        ]
      }
    ]
  }
}
```

Form Generator ERP system

```
    ],  
    // doughnutRadius: 5,  
  }  
}
```

```
filterByYear(event){  
  this.selectedYear = event.value.label;  
  this.filterMonths = null;  
  this.filterMonths = [  
    { label: 'Jan-June', value: '1,2,3,4,5,6', title:['Jan', 'Feb', 'March', 'April', 'May', 'June'] },  
    { label: 'July-Dec', value: '7,8,9,10,11,12', title:['July', 'Aug', 'Sept', 'Oct', 'Nov', 'Dec'] },  
  ];  
}
```

```
earningByMonth(event){  
  this.selectedMonth = event.value.value  
  // this.earningMonths = event.value.title;  
  if(this.selectedStore){  
    this.commonService.loader(true)  
  
    this.commonService.apiCall("get",`/api/v1/admin/getEarningsCount?month=${event.value.value}&year=${this.selectedYear}&retail_store_id=${this.selectedStore}`).subscribe(  
      result=>{  
        this.commonService.loader(false)  
        if(result['success']){  
          console.log(result)  
          this.totalEarning = result['data']['totalEarningsCount'];  
          this.earningChart()  
        }else{  
          // this.commonService.flashMessage('error',"Error",result['message'])  
        }  
      },error=>{  
        this.commonService.loader(false)  
        if(error.status == 403){  
          this.commonService.flashMessage('error',"Error",error['message'])  
          this.authService.logout()  
          return  
        }  
        this.commonService.flashMessage('error',"Error",error['message'])  
        // console.log(error['message'])  
      }  
    )  
  }else{  
    this.commonService.loader(true)  
  
    this.commonService.apiCall("get",`/api/v1/admin/getEarningsCount?month=${event.value.value}&year=${this.selectedYear}`).subscribe(  
      result=>{  
        this.commonService.loader(false)  
        if(result['success']){  
          console.log(result)  

```

```

Form Generator ERP system
    this.totalEarning = result['data']['totalEarningsCount'];
    this.earningChart()
} else {
    // this.commonService.flashMessage('error', "Error", result['message'])
}
}, error => {
    this.commonService.loader(false)
    if (error.status == 403) {
        this.commonService.flashMessage('error', "Error", error['message'])
        this.authService.logout()
        return
    }
    this.commonService.flashMessage('error', "Error", error['message'])
    // console.log(error['message'])
}
)
}
}

metadataByStore(event) {
    console.log(event.value)
    if (event.value != null) {
        if (this.selectedYear == null) {
            this.selectedYear = this.currentYear
        }
        this.commonService.loader(true)

        this.commonService.apiCall("get", `/api/v1/admin/getDashboardMetadataByRetailStore/${event.value.id}`).subscribe(
            result => {
                this.commonService.loader(false)
                if (result['success']) {
                    console.log(result)
                    this.DashboardData = result['data'];
                } else {
                    // this.commonService.flashMessage('error', "Error", result['message'])
                }
            }, error => {
                this.commonService.loader(false)
                if (error.status == 403) {
                    this.commonService.flashMessage('error', "Error", error['message'])
                    this.authService.logout()
                    return
                }
                this.commonService.flashMessage('error', "Error", error['message'])
                // console.log(error['message'])
            }
        )
    } else {
        this.showMetaData()
    }
}

```

Form Generator ERP system

}

```
earningByStore(event){
  this.selectedStore = null;
  if(event.value!=null){
    this.selectedStore = event.value.id;
    if(this.selectedYear==null){
      this.selectedYear = this.currentYear
    }
    if(this.selectedMonth){
      this.commonService.loader(true)

this.commonService.apiCall("get",`/api/v1/admin/getEarningsCount?month=${this.selectedMonth}&
year=${this.selectedYear}&retail_store_id=${this.selectedStore}`).subscribe(
  result=>{
    this.commonService.loader(false)
    if(result['success']){
      console.log(result)
      this.totalEarning = result['data']['totalEarningsCount'];
      this.earningChart()
    }else{
      // this.commonService.flashMessage('error',"Error",result['message'])
    }
  },error=>{
    this.commonService.loader(false)
    if(error.status == 403){
      this.commonService.flashMessage('error',"Error",error['message'])
      this.authService.logout()
      return
    }
    this.commonService.flashMessage('error',"Error",error['message'])
    // console.log(error['message'])
  }
)
}else{
  this.commonService.loader(true)

this.commonService.apiCall("get",`/api/v1/admin/getEarningsCount?month=${this.monthRange}&y
ear=${this.selectedYear}&retail_store_id=${this.selectedStore}`).subscribe(
  result=>{
    this.commonService.loader(false)
    if(result['success']){
      console.log(result)
      this.totalEarning = result['data']['totalEarningsCount'];
      this.earningChart()
    }else{
      // this.commonService.flashMessage('error',"Error",result['message'])
    }
  },error=>{
    this.commonService.loader(false)
    if(error.status == 403){
```

```

Form Generator ERP system
    this.commonService.flashMessage('error', "Error",error['message'])
    this.authService.logout()
    return
  }
  this.commonService.flashMessage('error', "Error",error['message'])
  // console.log(error['message'])
}
)
}

} else{
  this.showMetaData()
}
}

ordersByMonth(event){
  this.orderMonths = event.value.title;
  this.commonService.loader(true)

  this.commonService.apiCall("get",`/api/v1/admin/getOrdersCount?month=${event.value.value}&year=${this.selectedYear}`).subscribe(
    result=>{
      this.commonService.loader(false)
      if(result['success']){
        this.totalOrder = result['data']['totalOrdersCount'];
        this.orderChart()
      } else{
        // this.commonService.flashMessage('error', "Error",result['message'])
      }
    },error=>{
      this.commonService.loader(false)
      if(error.status == 403){
        this.commonService.flashMessage('error', "Error",error['message'])
        this.authService.logout()
        return
      }
      this.commonService.flashMessage('error', "Error",error['message'])
      // console.log(error['message'])
    }
  )
}

ngAfterViewInit(): void {
  setTimeout(()=>this.commonService.setComponentname('Dashboard Management'),0)
}
}

```

CONCLUSION

The system is designed for the storing and maintaining purpose. All the records of the stores, there expenses, sales, quotations, cash memo are stored in the database.

Main use for the system is to replace the pen paper method.

REFERENCE AND BIBLIOGRAPHY

The manuals / books referred during the analysis and the design of "Form Generator Website" are as follows:

WebSite

1. www.stackoverflow.com
2. www.w3schools.com
3. www.jquery.com
4. www.phptpoint.com
5. www.tutorialspoint.com