

Hotel Management System

Project Report



Sri Lanka Institute of Information Technology
IT2080 Information Technology Project (IT2080)

Project ID: ITP_WD_B06_G14

Submitted by:

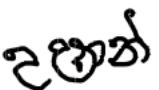
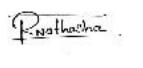
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May 2023

Declaration

This project report is our original work, and the content is not plagiarized from any other resource. References for all the content taken from external resources are correctly cited. To the best of our knowledge, this report does not contain any material published or written by third parties, except as acknowledged in the text.

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Submitted on: May 21, 2023

Abstract

Client: Hotel Gayana, Tangalle

This project is titled Hotel Management System which is hotel management software for controlling, monitoring, maintaining, scheduling, and organizing hotel activities. Previously, the system which had for Hotel Gayana was handled manually and the records and reports about the hotel activities were written using receipts and books. After developing this hotel management system, the functions such as Wedding and Banquet Management System, Restaurant Management System, and Transport Management System are done with the help of the developed system. Also, we can generate reports using this developed system.

This hotel management system has attractive user interfaces, and this is combined with well-thought-out searching and insertion capabilities. This system is very user-friendly for the users who are using this system. Also, this hotel management system allows users to fulfill their wants such as storing and accessing data, collecting calculations, and performing calculations through the system. In this system, frontend and backend are developed using Bootstrap and MongoDB. Overall, this system helps users to uplift the hotel activities through the system and it helps to expand their businesses as well.

Acknowledgment

We would like to bestow our sincere gratitude to all those who provided us with this opportunity and guided us by giving their support to complete this project. We are truly grateful to our Lecturer-in-charge, Ms. Geethanjali Wimalaratne for having our back with providing the relevant advice with her guidance to reach our goal. Also, we would love to express our gratitude to our lecturer Mrs. Vindhya who gave us helpful suggestions whenever we needed them and for her constant encouragement to our team to complete our project.

Also, we would like to express our gratitude to the Managing Director of Hotel Gayana, Mr. Osaka Perera, for giving us the necessary business information that we wanted to complete this project as per his requirement to develop a website for his hotel.

Not only that but also, a special thanks goes to our team members for sticking with this project until we completed it without having any kind of obstacles. Without a team like that, we would never overcome this entire project this way. Finally, we would like to thank our friends and mentors for providing their suggestions and support to complete our project successfully.

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Introduction

1.1 Background

The hotel management system that we are going to create for Hotel Gayana, is a comprehensive software solution designed to streamline the daily operations of hotels, resorts, and other hospitality establishments. This system provides an efficient and organized way of managing reservations, guest check-ins and check-outs, room allocations, billing, inventory, and other important aspects of hotel management. With the ability to store and manipulate vast amounts of data, this system can effortlessly manage guest profiles, room availability, room rates, and room preferences.

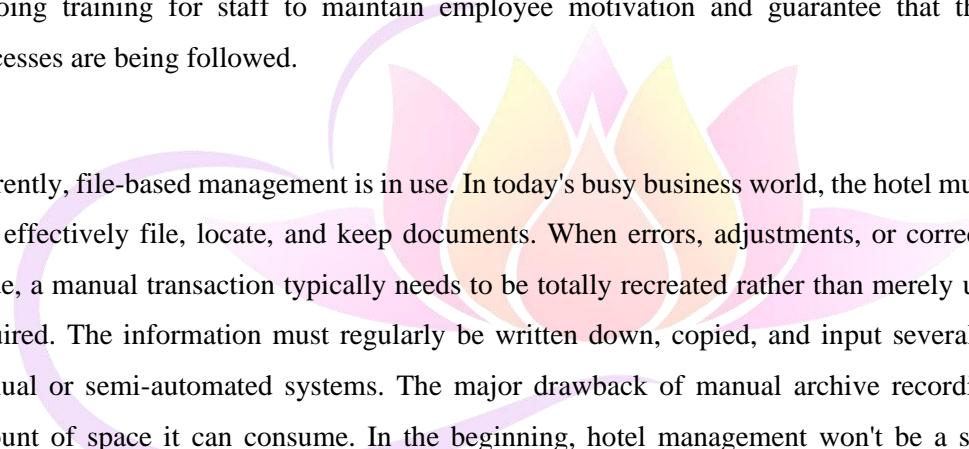
The Hotel Management System is designed to provide access to various administrators including Front Desk Management, Housekeeping Management, Inventory Management, and Financial Management. Additionally, guests can also access the system to make reservations, check their bookings, and request additional services. The system is designed to be user-friendly, with an intuitive interface that makes it easy to navigate and operate.

With the implementation of the Hotel Management System, hotels and resorts can streamline their daily operations, reducing the risk of errors and enhancing the overall guest experience. The system can automatically store transaction records, track inventory levels, and generate detailed reports, making it easier to manage the financial aspects of the business. This system can also enhance the security of guest data, ensuring that sensitive information is protected and stored securely. Overall, the Hotel Management System provides a reliable, efficient, and convenient solution for hotels and resorts seeking to optimize their operations and provide exceptional customer service.

1.2 Problem and Motivation

At the start of a hotel business, handling many documents manually can be a risky task. Currently, the hotel Gayana is using a manual system to handle financial processes. When a customer makes a reservation, all the relevant information is saved and updated in a file. In contrast, manual calculations for other restaurants' transport systems and inventory items are made and safely stored in a file for each establishment.

However, manual filing can become a very time-consuming activity as hotel management expands. Manual methods always place pressure on workers to be accurate in every detail of their work, but individuals aren't flawless, no matter how much we all wish we were. Because the quality of service is dependent on everyone in manual systems, management is required to provide ongoing training for staff to maintain employee motivation and guarantee that the proper processes are being followed.



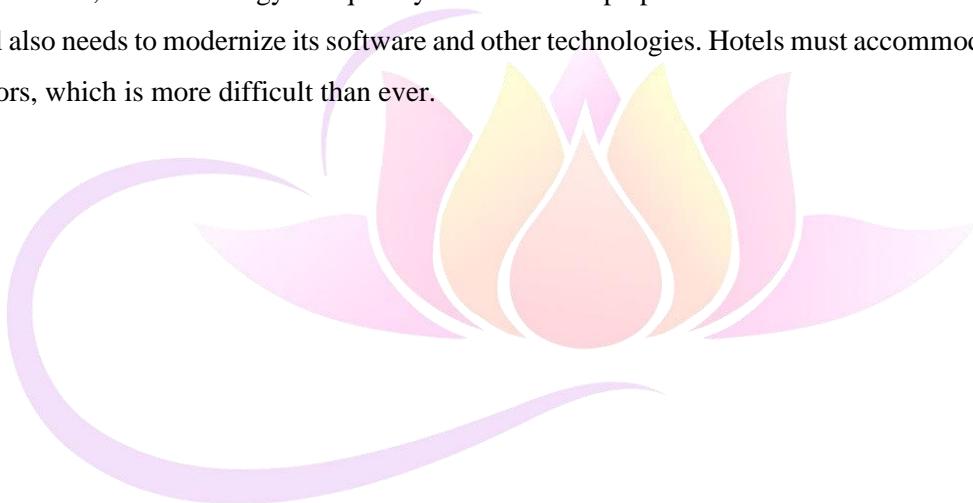
Currently, file-based management is in use. In today's busy business world, the hotel must swiftly and effectively file, locate, and keep documents. When errors, adjustments, or corrections are made, a manual transaction typically needs to be totally recreated rather than merely updated is required. The information must regularly be written down, copied, and input several times in manual or semi-automated systems. The major drawback of manual archive recording is the amount of space it can consume. In the beginning, hotel management won't be a significant concern because it will be small enough, but as it grows, management will need to discover a new means to store documents. If not, management may find that files are occupying space in the rooms. This suggests that they must exert additional effort to locate a file or a customer.

This headache, which is a big one, you don't need. You lose productivity because of it. When people manually file documents, they place their trust in the people who are handling the files. There are so many ways they could get wounded, lost, or misplaced.

The files are very tough to secure. They might easily be harmed by a fire or possibly a natural calamity like flooding. Additionally, you can lose clients who object to the manner you treat their personal information.

Keeping records requires a lot of time and saps many working hours. Even though we don't trust physical computations. It is not shocking that you are experiencing difficulties. If we need to search for a previous client room record or transport data, the management will be in a very tough scenario. It is challenging and time-consuming to locate a record in a file. Another area where manual systems struggle is customer service. It can be difficult to respond to customer requests since information is kept in several different places. Even if you assign an employee to manage these records, what if you need to access an earlier record while he is away?

Today's consumers have come to demand a high level of convenience, personalization, and efficiency everywhere they go because of the proliferation of online services and apps. Customer expectations are rapidly changing day by day. The hotel lobby and its amenities must always be modern and up to your customers' standards. The expense of ongoing development, upgrades, maintenance, and technology can quickly mount. To keep up with the demands of its visitors, the hotel also needs to modernize its software and other technologies. Hotels must accommodate their visitors, which is more difficult than ever.



1.3 Literature Review

The fusion of the hotel industry is playing a vast role in the development of the tourism industry in accordance with the services that they are bringing to the guests. The hotel industry can be mentioned as a very fast-growing sector in recent years. That is why it is essential to carry out their activities in an orderly manner. Therefore, Hotel Gayana also wanted to create a management system to ease their work. Simply, hotel management system is software that automates hotel operations such as billing information, guest information like check-in and check-out, inventory management and room reservations. In this literature review, we aim to inspect the impact of the existing hotel management systems and the modernity we suppose to bring out through the system that we are about to create in this project.

Basically, the impact of this system on guest satisfaction is important to consider when it comes to creating this system. Therefore, we must implement a well-designed system in this hotel and then we can improve the quality of the service that we provide to the customers, reducing the waiting time of the guests also, we can increase the efficiency of the hotel staff through this system. Also, this hotel management system can provide real-time information on the availability of the rooms, and it is important to manage the accuracy of the revenue according to the availability of the rooms. Through this hotel management system, hotel staff can get real-time information about their employees. Not only that, but also it has reduced the workload of the employees since some of their works have been automated in this system. This helps to lead the job satisfaction.

Even though this kind of hotel management system gives many benefits, there can be some kind of probable disadvantages to consider about. Since the hardware and software costs are high, it is required a high initial cost to implement such kind of a system. Also, like in any technology, this system can be faced to the technical issues such as software bugs. It is required to put an extra effort into training the staff to utilize this system fully, which can take some time.

If there is any kind of disruption to the system, it could cause operational issues and it could affect the data and information stored in the system. Consequently, it is important to consider that this kind of hotel management system will only have the cons, there are some disadvantages too.

By way of conclusion of this literature review, it says that this hotel management system that we are going to create will have a positive impact to Hotel Gayana over the system currently in use. Because, through this system the hotel staff can assign tasks to the employees and that is not a feature that they have in the existing system. Also, this system has a positive impact on the hotel by improving customer satisfaction by giving them a space to update their booking information according to their wants. These can be mentioned as the novelties or the modern features that are supposed to be added into this system. Since the technologies pursue into an advance level, this hotel management system will likely get the best out of it as we wish.



1.4 Aim and Objectives

Aim

This project aims to:

- Create a smart management system for hoteliers.
- Solve the problems and issues faced by the business to improve the quality of the business.
- Upgrade the system and introduce an online platform where they can encounter more customers and expand the business.

Also, to Implement the system covering all the requested functions such as creating an automated hotel management system that keeps track of customer data, room reservation, booking management, wedding and banquet hall, transport management system, billing and invoicing, inventory and supply management, customer relationship management, sending reservation emails, employee and restaurant management, generating automated reports and management of revenue.

Objectives

The objectives of this project are:

- To make a fast system to increase effectiveness.
- To automate payment processing and generate automatic payment receipts.
- Easy and user-friendly interface for both the customer and admin sides.
- Integrating all departments of the hotel into a single software.
- Transfer manual work to a computerized system. (Creating a computerized system)
- Create a system that allows quick record entry, update, computation, deletion, and retrieval.
- Decrease the errors that occurred by the staff.
- Providing excellent customer satisfaction.
- Improve customer experience and productivity.
- To increase employee efficiency.
- Provide better features to manage employees.
- Categorized and specified functions for each activity
- Speed and efficient system.

Key Benefits

- Time-Saving

The system is automated, making it quicker and more efficient to handle data (add, update, delete, and view) than it would be with a manual system. Less redundant data and secure storage can also help with faster data retrieval. Customers will also be able to save some time because they can get all the information about the hotel and its services through a single application.

- Easy to Maintain

The fact that the data is kept in a database makes updating and maintaining it easy. Data storage will require less space than a manual file-based system because it is simple to access existing entries.

- Accuracy

Data can be provided more accurately by a computer-based method than by a manual system. Data can never be replicated with this computer system, and by using validations, it is possible to minimize, if not totally avoid inaccurate data entry. The system user can create reports and charts that are more dependable because there won't be any human errors based on the user's requirements.

- High Security

Passwords are all encrypted. Orders can only be made by clients who have registered. Only the person who is authorized can access the payment information. Additionally, some activities are only available to administrators, prohibiting unauthorized users from accessing or changing specific system information.

- User-Friendly Interfaces

Interactive Images Even someone with the most basic IT knowledge may utilize the system with ease. The user can finish the task swiftly with just a few easy button presses.

1.5 Solution overview

1. Room Reservation Management:

- Efficiently manage room reservations and bookings in hotels or other accommodation establishments.
- Streamlined reservation process through an integrated system for online, phone, and in-person bookings.
- Real-time availability updates and automated notifications to prevent double bookings.
- Guest profile management for personalized service and preferences.
- Reporting and analytics to track occupancy rates and optimize revenue.

2. Wedding and Banquet Management:

- Comprehensive system to manage wedding and banquet events.
- Centralized event planning, including venue selection, menu customization, and decor coordination.
- Guest list management and RSVP tracking for efficient event planning.
- Task management and collaboration tools to ensure smooth execution of the event.
- Invoicing and billing features to handle event expenses and payments.

3. Transport Management:

- Efficiently manage transportation logistics and operations.
- Track and assign vehicles for various purposes such as passenger transport or cargo delivery.
- Route optimization and scheduling to minimize costs and improve efficiency.
- Real-time tracking and monitoring of vehicles for enhanced safety and on-time arrivals.
- Maintenance and repair management to ensure the fleet's optimal condition.

4. Inventory Management:

- Effective control and tracking of inventory across multiple locations or warehouses.

- Real-time stock updates to prevent stockouts or overstocking.
- Automated reordering and purchase order generation based on predefined thresholds.
- Inventory forecasting and demand planning to optimize stock levels.
- Integration with sales and invoicing systems for seamless order fulfillment.

5. Billing and Invoicing Management:

- Streamlined management of billing and invoicing processes.
- Generation and customization of professional invoices with itemized details.
- Automation of recurring billing and subscription management.
- Integration with payment gateways for secure and efficient payment processing.
- Tracking and recording of payments, overdue invoices, and outstanding balances.

6. Customer Relationship Management (CRM):

- Comprehensive system to manage customer interactions and relationships.
- Centralized customer database with detailed profiles and history.
- Lead management and tracking to streamline sales processes.
- Automated email marketing and campaign management for effective customer communication.
- Analytics and reporting features to measure customer engagement and track sales performance.

7. Employee Management:

- Efficient management of employee information, schedules, and performance.
- Centralized employee database with profiles, contact details, and qualifications.
- Shift scheduling and time tracking to ensure optimal staffing levels.
- Performance evaluation and goal setting for individual employees.
- Integration with payroll systems for accurate and timely salary processing.

8. Restaurant Management:

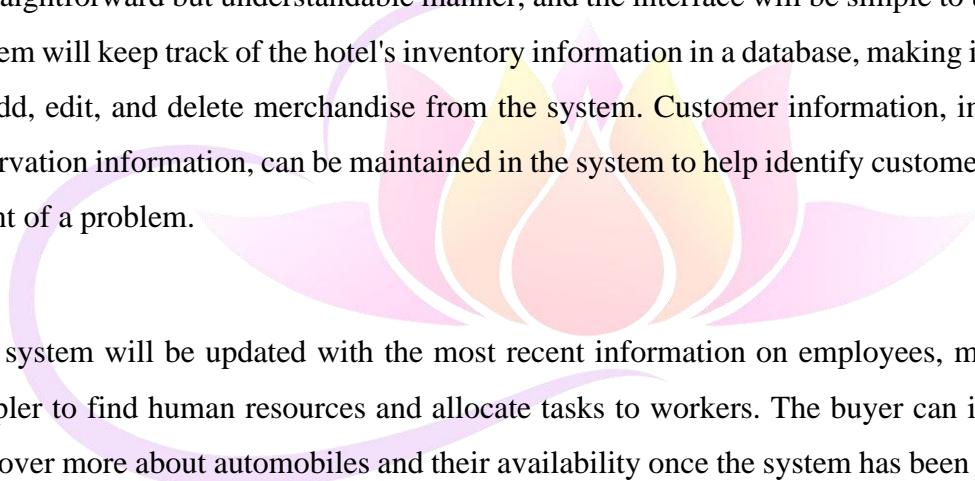
- Comprehensive system to manage restaurant operations and guest services.
- Table reservation management for efficient seating arrangements.
- Order management and kitchen communication to streamline food preparation.
- Inventory tracking and recipe management for cost control and menu planning.
- Point of Sale (POS) integration for seamless order processing and payment handling.



1.6 Product Scope

All the fundamental tasks performed at the hotel are covered by the hotel management system that we have implemented. It would cover the management of hotel rooms, banquet halls, restaurants, transportation, staff management, customer management, inventory management, and services management.

The client will be able to control the administration and operations of the hotel conveniently while also saving time during a recovery or maintenance process by maintaining all the records and information in the system database. Additionally, this database system will guarantee that their records are protected from disasters and unauthorized access, raising the level of security. The functionality will be explained in a straightforward but understandable manner, and the interface will be simple to use. The system will keep track of the hotel's inventory information in a database, making it simple to add, edit, and delete merchandise from the system. Customer information, including reservation information, can be maintained in the system to help identify customers in the event of a problem.



The system will be updated with the most recent information on employees, making it simpler to find human resources and allocate tasks to workers. The buyer can instantly discover more about automobiles and their availability once the system has been updated with the latest vehicle information. Customers can use the system to book hotel rooms and, by saving the hotel room information in the system, can instantly determine whether the rooms are empty or occupied. To produce the financial report, the system will construct all bills and record the data swiftly and accurately in the database. The hotel's global reach would also expand thanks to technology, which would help it grow.

1.7 Contribution of the Group Members

Name	ID Number	Functionality
Navojith T.	IT21489464	<p><u>Room Reservation and Booking Management System:</u></p> <p>Customer</p> <ul style="list-style-type: none"> • Make a reservation for booking • Update delete reservation for booking <p>Admin</p> <ul style="list-style-type: none"> • Add a reservation • Update delete reservation • Add a room • Update, delete room • Generate details report
Adhikari A.M.N.H	IT21469046	<p><u>Wedding and Banquet Hall System:</u></p> <p>Customer</p> <ul style="list-style-type: none"> • Login to system • Plan wedding • View graphical view • Update, delete Added details • Send an email to admin • Can Download a detail report • Get approx. total <p>Admin</p> <ul style="list-style-type: none"> • Add menu and dessert details • Update, Delete menu and dessert details. • Approve wedding. • Generate report
Silva H.G.LR	IT21509186	<p><u>Transport Management System:</u></p> <p>Customer</p> <ul style="list-style-type: none"> • Make a vehicle booking for safari, wedding • Update delete vehicle booking <p>Admin</p> <ul style="list-style-type: none"> • Add a vehicle • Update delete vehicle • Add a vehicle booking • Update, delete vehicle booking • Generate details report

Fernando K.A.T.N	IT21361340	<p><u>Billing and Invoice Management System:</u></p> <p>User</p> <ul style="list-style-type: none"> • Add payment methods. • View, update, and delete payment details. • Add card details. • View, update and delete card details. <p>Admin</p> <ul style="list-style-type: none"> • Add taxes. • View, update, and delete tax details. • Add discounts and offers. • View, update, and delete discounts and offers. • Generate invoice. • View, update and delete invoices. • Download the invoice pdfs.
Gangabadage U.D	IT21157400	<p><u>Inventory and Supply Management System:</u></p> <p>Admin</p> <ul style="list-style-type: none"> • Create/Read/Update/Delete Category. • Create/Read/Update/Delete Items. • Create/Read/Update Orders. • Create/Read/Delete Suppliers. • Admin Login and Add/Remove admin. • Scan QR code and Quick release Stock. • Generate Low Stock report. • Generate Order List report. • Emailing the invoice to the supplier • Data Visualization

Monali G.M.N	IT21360428	<p><u>Customer Relationship Management System:</u></p> <p>Customer</p> <ul style="list-style-type: none"> • Submit feedback form • Submit support ticket • View the testimonials page <p>Admin</p> <ul style="list-style-type: none"> • Add customer details. • Update existing customer details. • View existing customer details. • Delete existing customer details. • Generate customer detail reports. • Search customer details using their NIC • View existing feedback details. • Delete existing feedback details. • Calculate feedback ratings • Generate feedback detail reports. • Search feedback details using customer NIC • View existing ticket details. • Assign staff to resolve ticket • Close resolved ticket. • Generate support ticket detail reports. • Search ticket details using their NIC
Dias A.H.S.G	IT21305214	<p><u>Employee Management System:</u></p> <p>Admin</p> <ul style="list-style-type: none"> • Add employee details. • Update existing employee details. • View existing employee details. • Delete existing employee details. • Generate updated employee detail reports. • Assigning tasks to employees via e-mails • Search employee details using their work e-mails

Nathasha W.L.R	IT21913860	<p><u>Restaurant Management System:</u></p> <p>Customer</p> <ul style="list-style-type: none"> • View Menu Items • Order Menu Items <p>Admin</p> <ul style="list-style-type: none"> • Add menu items • Update existing menu details • View added menu items • Generate updated menu detail reports. • Search menu item names
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1.8 Git Hub Link

https://github.com/SLIITITP/y2_s2_wd_it_01-itp_wd_b06_g14.git

1.9 Project Report Structure

The remaining portions of the project provide a comprehensive overview of this project by offering detailed explanations of the system and how it functions, images of the Graphical User Interfaces, and diagrams to help comprehend the features.

1.10 Methodology

In this part, we go through the hotel management system technique. They fall under the categories of software model, requirements analysis, system design, system implementation, and testing. The team's use of an agile methodology also gave them access to ongoing client input, which helped them build the best solution possible. The team was able to work quickly because of the methodology's use of agile techniques and technologies.

Why can we use the MERN stack for web development?

The main goal of the MERN stack is to create apps that solely use JavaScript. This is because all four of the technologies that comprise the technological stack are JS-based. So, the backend, frontend, and database may be operated simply if one is familiar with JavaScript (and JSON).

MERN Stack Full Form

The MERN Stack is a collection of four different technologies that collaborate to create dynamic web pages and online applications.

It is a contraction for four different technologies as mentioned below:

Front-end technologies:

- **ReactJS:** React is the most popular front-end JavaScript library in the field of web development. React is a JavaScript library created for building fast and interactive user interfaces for web and mobile applications.

Backend-end technologies:

- **ExpressJS:** Express is a node JS web application framework that provides broad features for building web and mobile applications. It is used to build a single page, multipage, and hybrid web application. It's a layer built on top of Node JS that helps manage servers and routes.

- **NodeJS:** Node.js is a server-side platform built on Google Chrome's JavaScript Engine. It's an open-source, cross-platform runtime environment for developing server-side and networking applications. For keeping the code precise, ExpressJS offers a range of middleware.

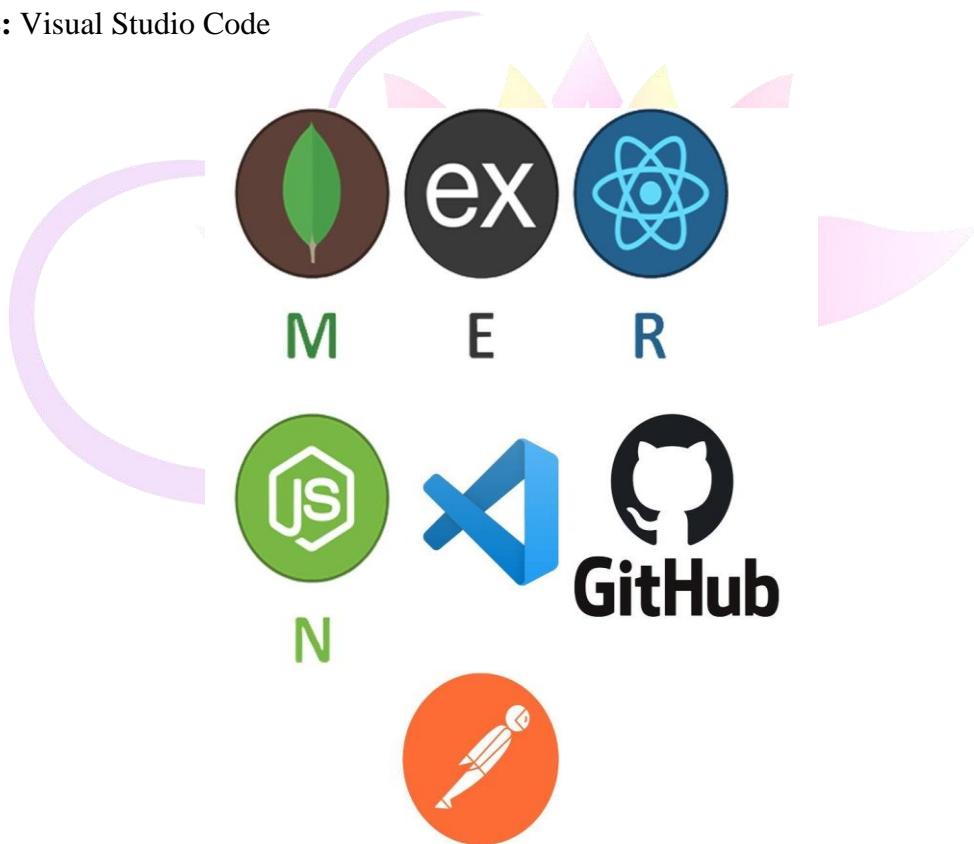
Database tool

- **MongoDB:** NoSQL database management program. NoSQL is used as an alternative to traditional relational databases.

Backend testing tools: Postman API

Project management tool: GitHub

IDE: Visual Studio Code



Requirements and Analysis

Functional Requirements

1. Room Reservation and Booking Management System

System:

1. Manage Room Availability: The system should maintain an up-to-date record of room availability, allowing users to view and reserve available rooms.
2. Reservation Processing: The system should handle reservation requests, including validating user input, checking room availability, and confirming reservations.
3. Reservation Modification and Cancellation: Users should be able to modify or cancel their reservations within specified time limits, and the system should update the room availability accordingly.
4. User Authentication and Access Control: The system should authenticate users and provide appropriate access control to ensure only authorized users can make reservations or perform administrative tasks.
5. Room Assignment: The system should assign rooms to guests based on their preferences, such as room type, amenities, and availability.
6. Payment Processing: The system should support secure payment processing, allowing users to make payments for their reservations.
7. Notifications: The system should send notifications to users regarding reservation confirmations, modifications, cancellations, and payment receipts.

Website:

1. User Registration and Login: The website should provide a user registration process and allow users to log in to their accounts.
2. Room Search and Filtering: Users should be able to search for available rooms based on criteria such as dates, room type, location, and amenities.
3. Reservation Management: Users should have access to their reservation details, including the ability to view, modify, or cancel reservations.
4. Room and Amenities Information: The website should provide detailed information about rooms, including descriptions, photos, rates, and available amenities.
5. Online Booking: Users should be able to select and book rooms online, providing necessary details and making payments securely.

6. User Reviews and Ratings: The website should allow users to leave reviews and ratings for rooms and their overall experience.

Admin:

1. Dashboard and Analytics: The admin should have a dashboard to monitor reservations, room occupancy, revenue, and generate reports.
2. Room Management: The admin should be able to add, modify, or remove rooms from the system, including updating room details, rates, and availability.
3. User Management: The admin should have the ability to manage user accounts, including user registration, account modifications, and user access control.
4. Reservation Management: The admin should be able to view, modify, or cancel reservations on behalf of users, as well as handle exceptional cases.
5. Reporting and Analytics: The admin should have access to various reports and analytics related to room occupancy, revenue, and user statistics.
6. Customer Support: The admin should have tools to assist users with their inquiries, resolve issues, and provide support.

User:

1. User Registration: Users should be able to create an account on the system or website to manage their reservations and preferences.
2. Room Search and Selection: Users should be able to search for available rooms based on their preferences and select a room for reservation.
3. Reservation Management: Users should have the ability to view, modify, or cancel their reservations within specified time limits.
4. Payment: Users should be able to make secure online payments for their reservations using various payment methods.
5. Feedback and Reviews: Users should be able to provide feedback, reviews, and ratings for their experiences with the rooms and services.

2. Wedding and Banquet Hall Management System

System:

- The system should provide an online platform for managing wedding and banquet hall reservations and bookings.
- The system should allow users to search for available wedding and banquet halls, availability.
- The system should facilitate online booking and reservation of wedding and banquet halls.
- The system should send email regarding their bookings, including payment reminders and event details.
- The system should provide a calendar or schedule view to display the availability of wedding and banquet halls.

Website:

-
- The website should have an intuitive and user-friendly interface for easy navigation and usage.
- The website should provide a search functionality for users to find wedding and banquet halls based on their preferences.
- The website should display detailed information about each wedding and banquet hall and availability
- The website should display a calendar or schedule view to show the availability of wedding and banquet halls.
- The website should have a contact or support page for users to reach out for assistance or inquiries.

Admin:

- The admin should have the ability to manage and update the list of wedding and banquet halls in the system, including adding new menus and modifying existing ones.
- The admin should have access to a dashboard or reporting system to view bookings, payments, and other relevant data.
- The admin should be able to generate reports.
- The admin should have the ability to manage user accounts
- .

User:

- The user should be able to create an account and log in to the system.
- The user should be able to search for available wedding and banquet halls based on their preferences.
- The user should be able to view detailed information about each wedding and banquet hall, including photos, amenities, pricing, and availability.

- The user should be able to book and reserve a wedding or banquet hall online, including selecting the desired date and time.
- The user should be able to make payments securely through the system.
- The user should be able to view and manage their bookings, including modifying or canceling them.
- The user should be able to rate and provide feedback on their experiences with specific wedding and banquet halls.



3. Transport Management System

System:

1. Vehicle Management: The system should maintain a database of vehicles, including their types, capacities, availability, and maintenance schedules.
2. Route Planning: The system should generate optimal routes for vehicles based on factors such as distance, traffic conditions, and delivery priorities.
3. Tracking and Monitoring: The system should provide real-time tracking and monitoring of vehicles, allowing users to know the current location and status of their shipments.
4. Inventory Management: The system should keep track of inventory stored in vehicles, including loading and unloading operations, and provide alerts for low stock levels.
5. Maintenance and Repairs: The system should schedule and track vehicle maintenance and repair activities to ensure the fleet's optimal performance and minimize downtime.

Website:

1. User Registration and Authentication: The website should allow users to register, create accounts, and authenticate their identities to access the system.
2. Booking and Scheduling: Users should be able to request transportation services, specify pickup and delivery locations, and schedule deliveries based on availability.
3. Tracking Shipments: The website should provide a tracking interface where users can enter shipment details and receive real-time updates on their delivery status.

Admin:

1. User and Access Management: The admin should have the ability to manage user accounts, assign roles and permissions, and control system access.
2. Vehicle Assignment: The admin should be able to assign vehicles to specific deliveries or routes based on availability and requirements.
3. Reporting and Analytics: The admin should have access to various reports and analytics, including vehicle utilization, delivery performance, and inventory levels.

User:

1. Booking and Scheduling: Users should be able to book transportation services, provide shipment details, and schedule pickups and deliveries.
2. Tracking Shipments: Users should have access to real-time tracking information for their shipments, including estimated arrival times and any delays or issues.

4. Billing and Invoice Management System

System:

- The system should generate itemized user bills, including room stay charges, services, expenses, and with other facility charges.
- The system should apply discounts or promotional offers based on criteria such as membership status or special events.
- The system should accurately calculate applicable taxes and add them to the user's bill.
- The system should support splitting bills between users or payment methods.
- The system should integrate with payment gateways to process various payment methods securely.
- The system should provide options for payment methods to the user.
- The system should provide options to deliver invoices in pdf or print format.
- The system should generate reports summarizing billing information and outstanding balances.

Website:

- The website should provide a secure payment gateway for users to view, update and pay their bills online.
- The website should allow users to make their payments by selecting payment method types and specifying payment details.
- The website should allow users to add card details if the user selects cards as the payment method. And specify card details.
- The website should allow admins to generate reports and generate bills accurately.
- The website should display real-time pricing information, taxes, and any special offers or packages.

Admin:

- The admin should have access to view, update, or cancel invoices if necessary.
- The admin should have access to billing and invoice details, with the ability to generate reports and resolve issues.
- The admin should be able to create, add, update, or deactivate discounts and promotions.
- The admin should be able to create, update and add additional taxes.
- The admin should have access to reports and invoices.

User:

- Users should have access to their billing information and the ability to make payments.

- Users should be able to view, update, or cancel their own payment details.
- Users should be able to provide card details for payment and billing purposes.
- Users should be able to view, update, or cancel their own card details.

5. Inventory Management System

System:

- Easily manage and track stock levels for items.
- Categorize items for easy search and organization.
- Handle suppliers efficiently.
- Streamline the process of releasing stock.
- Generate reports and provide data analysis capabilities.
- Enable emailing invoices and communication with suppliers.
- Facilitate order management and communication with suppliers.

Website:

- easily manage and track stock levels for items through the website.
- categorize items for efficient searching and organization on the website.
- Provide features for users to handle suppliers effectively within the website.
- Implement a streamlined process for users to quickly release stock via the website.
- Design a user-friendly interface for easy navigation and seamless user experience on the website.
- Generate reports and provide data analysis features within the website for stock management and performance analysis.
- Allow users to email invoices and communicate with suppliers directly from the website.

Admin:

- Provide a secure login mechanism for administrators.
- Allow admins to create, read, update, and delete categories.
- Enable admins to create, read, update, and delete items.
- Allow admins to create, read, update, and delete orders.
- Enable admins to create, read, and delete suppliers.
- Provide functionality for admin login and the ability to add or remove other administrators.
- Enable admins to scan QR codes for quick stock release and update.
- Generate low stock reports and order list reports for admins.
- Allow admins to email invoices to suppliers.
- Provide data visualization capabilities for admins.

6. Customer Relationship Management System

System:

1. Customer Data Management: The system should store and manage customer information, including contact details, interactions, purchase history, and preferences.
2. Interaction Tracking: The system should track and record all customer interactions, such as calls, emails, meetings, and support tickets.
3. Lead and Opportunity Management: The system should allow the management of leads and opportunities, including tracking their progress, assigning ownership, and setting follow-up tasks.
4. Reporting and Analytics: The system should provide reports and analytics on various aspects of customer relationships, such as sales performance, customer satisfaction, and campaign effectiveness.
5. Integration with Other Systems: The system should integrate with other relevant systems, such as email marketing, support ticketing, and e-commerce platforms, to streamline data flow and provide a unified view of customer information.
 - Manage customer details using data
 - Adding new customer details when new customers join
 - Make changes to data made by the admin
 - Deleting customer details when there is no need to be customer profiles
 - Generate customer detail reports
 - Calculate feedback ratings
 - Manage feedback details using data
 - Adding new feedback details
 - Deleting feedback details
 - Generate feedback detail reports
 - Manage support ticket details using data
 - Adding new support ticket details
 - Close support ticket when it resolves
 - Generate support ticket detail reports

Website:

1. User Registration and Authentication: The website should allow users to register, create accounts, and authenticate their identities to access the CRM system.
2. Contact Management: Users should be able to add, update, and search for customer contacts, including their details, interactions, and preferences.

3. Task and Calendar Management: Users should have the ability to create and manage tasks, set reminders, and synchronize with their calendars for efficient time management.

4. Communication Integration: The website should integrate with communication channels like email, chat, and social media, allowing users to interact with customers directly from the CRM interface.

5. Reporting and Dashboard: The website should provide users with visual reports and dashboards, displaying key performance indicators (KPIs) and metrics relevant to customer relationships.

- Display testimonials
- Access to feedback form
- Access to the support ticket

Admin:

- Admin can view and read customer details
- Admin can update and delete customer details
- Admin can add customer details
- Admin can view and read feedback details
- Admin can delete unnecessary feedback details
- Admin can view and read support ticket details
- Admin can close resolved tickets
- Admin can assign tickets to the employees to resolve
- Submit feedback form
- Submit a support ticket

1. User and Access Management: The admin should have the ability to manage user accounts, assign roles and permissions, and control system access.

2. Workflow Customization: The admin should be able to customize workflows, fields, and data capture forms to align with the organization's specific processes and requirements.

3. Data Security and Privacy: The admin should have control over data security measures, including user access rights, data encryption, and compliance with privacy regulations.

4. Integration Management: The admin should be able to configure and manage integrations with other systems, ensuring smooth data exchange and synchronization.

5. Customization and Configuration: The admin should have the ability to customize and configure the CRM system based on changing business needs, such as adding custom fields or modifying data layouts.

User:

1. Contact and Account Management: Users should be able to view and manage customer contacts, accounts, and related information.
2. Activity Tracking: Users should have the ability to track and record customer interactions, such as calls, emails, meetings, and notes.
3. Sales and Opportunity Management: Users should be able to manage leads, track sales opportunities, and monitor the progress of deals through the sales pipeline.
4. Collaboration and Communication: Users should have features for collaborating with team members, such as sharing customer information, assigning tasks, and leaving internal notes.
5. Reporting and Analytics: Users should have access to reports and analytics that provide insights into their sales performance, customer engagement, and other relevant metrics.

7. Employee Management System

System:

- Manage employee details using data
- Adding new employee details when new employees join
- Make changes to data made by the admin
- Deleting employee details when there is a need to be removed employee profiles
- Generate updated employee detail reports

Website:

- Display the employee details
- Adding employee details using the employee form
- Updating and deleting employee details according to the need

Admin:

- Admin can view and read employee details
- Admin can update and delete employee profiles from the employee list
- Admin can assign tasks to the employees using their work emails (employee IDs)

8. Restaurant Management System

System:

- User authentication: The system must provide a secure login option for users and administrators alike.
- Database management: The system requires a trustworthy database to store and manage menu items, user information, and other important data.
- Administration of menu items: The system must permit menu items to be added, changed, and removed by administrators.
- Pricing management: The system ought to be capable of supporting a range of menu item pricing options, such as daily specials, discounts, and seasonal pricing.
- Order management: The system should be in charge of taking care of the placement, processing, and monitoring of orders.
- The system should offer reports and analysis on metrics like menu item sales, popularity, and other relevant metrics.

Website:

- User-friendly interface: Both administrators and users should be able to easily navigate and use the website.
- Display of the menu items: The menu items should be presented on the website in an orderly and aesthetically pleasing manner, along with any pertinent information like descriptions, images, and prices.
- Search and filtering options should be available on the website to assist users in finding particular menu items in accordance with preferences, dietary restrictions, or other factors.
- Placement of orders: Users should be able to place orders directly through the website, providing details such as quantity, customizations, and delivery options, if available.
- Online payment processing should be supported by the website, either through integration with well-known payment gateways or by providing additional secure payment options.

Admin:

- Management of menu items: The admin should have the ability to add, edit, and delete menu items, as well as specifying information like name, description, ingredients, category, and price.
- Organization of the menu: The administrator should be able to classify menu items, create menus for various mealtimes (breakfast, lunch, and dinner), and control the availability of menu items.

- Order management: The administrator ought to have access to a dashboard where they can view and manage incoming orders, update order statuses, and, if necessary, interact with users.
- User management: The administrator should be able to manage user accounts, which includes adding new users, changing their information, and dealing with user-related problems.

User:

- Users should be able to browse the menu, view thorough descriptions of the items on it, and make educated decisions.
- Ordering: Customers should be able to add items from the menu to their carts, enter quantities, choose customizations, and place orders.
- Order tracking: Customers must be able to monitor the progress of their orders, get updates on their status, and view order history.
- Favorites and suggestions: Users ought to be able to save their preferred menu items and get tailored recommendations based on their preferences and past orders from the system.
- Reviewing and rating items on the menu should be an option for users, as should the ability to share their dining experiences and leave reviews.



Non-Functional Requirements

1. Performance

- Website should load quickly
- Each interface's response and processing times are a few minutes or less.

2. Security

- Only the admin has the access to generate the reports
- If user wants to logout, system should allow user to do that
- Unregistered customers should sign-up to the system using username and password
- Registered customers can login to the system using username and password
- Only the admin has the access to use the financial section

3. Safety

- Each customer has unique username and password to get the access to the system
- Customers can get in touch with the administration by using the message link on the homepage if they forget their account login password. The user will receive an accessible link again, and by clicking it, they can reset their password.

4. Software Quality Attributes

- Availability - All authorized clients and employees can use the system whenever they need to (24/7).
- System Maintenance - Staff members should record any system flaws they discover and notify the development team about them.
- Usability - The system's features and functionalities are simple for users to comprehend and use. User-friendly interfaces are essential.
- Reliability - The system's performance is still being monitored by the development team, who also keep adding upgrades to the system to make it better.
- Accuracy - Every management system performs with the anticipated results.

5. Business Rules

- The system will be created to operate in the manner in which it is intended to. One can make assumptions about which members users will be able to access which system components given that the system will

have numerous access levels. For instance, certain actions, like updating customer information or authorizing another person to update a customer's information, might only be available to hotel administrators. However, as already stated, this is only an assumption, and the business might decide to give all employees full access to all system components without any limitations.



Design and Development

Use case Diagram

Use case Diagram for Room Reservation and Booking Management System

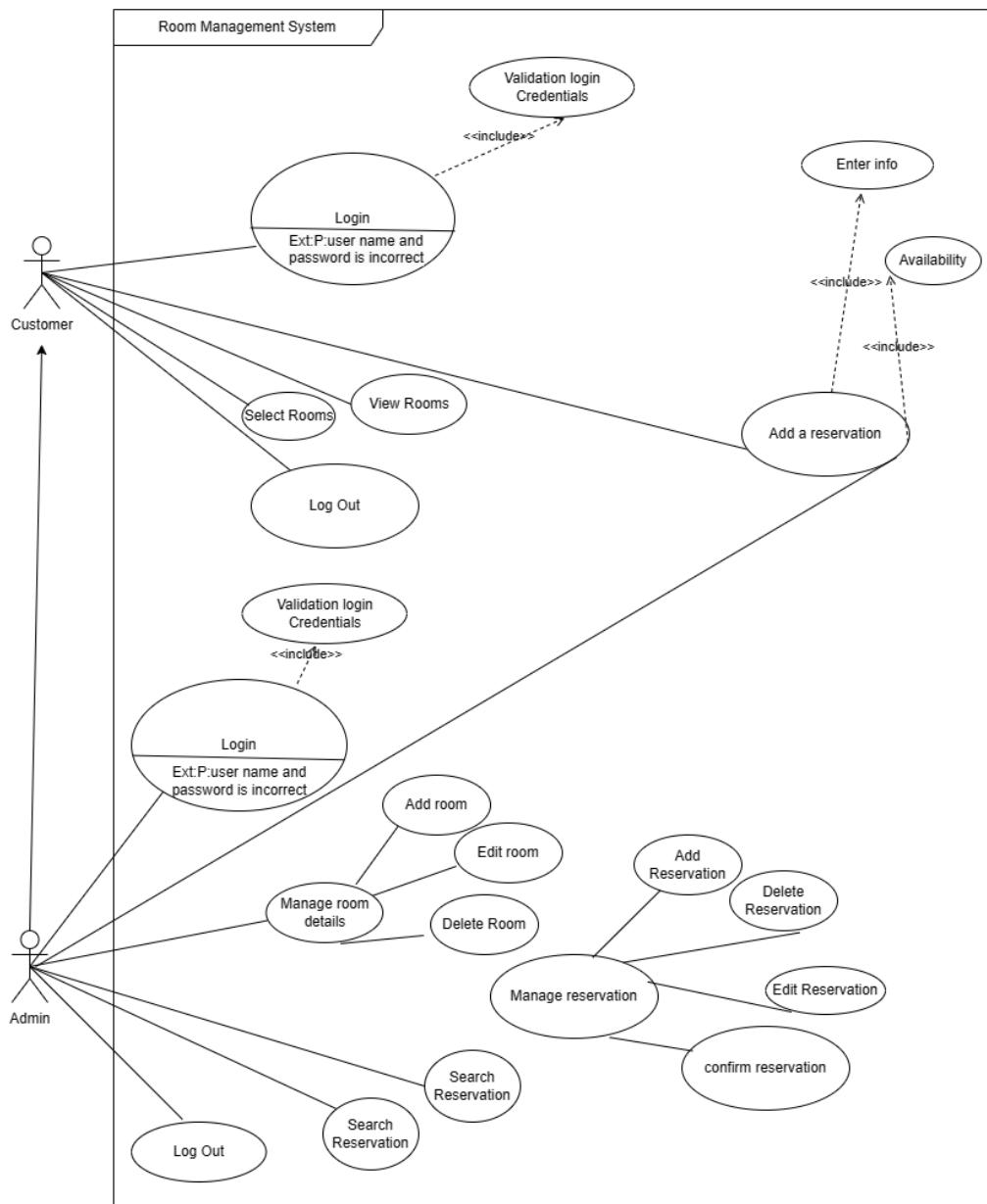


Figure 1 Use case Diagram for Room Reservation and Booking Management System

Use case Diagram for Wedding and Banquet Management System

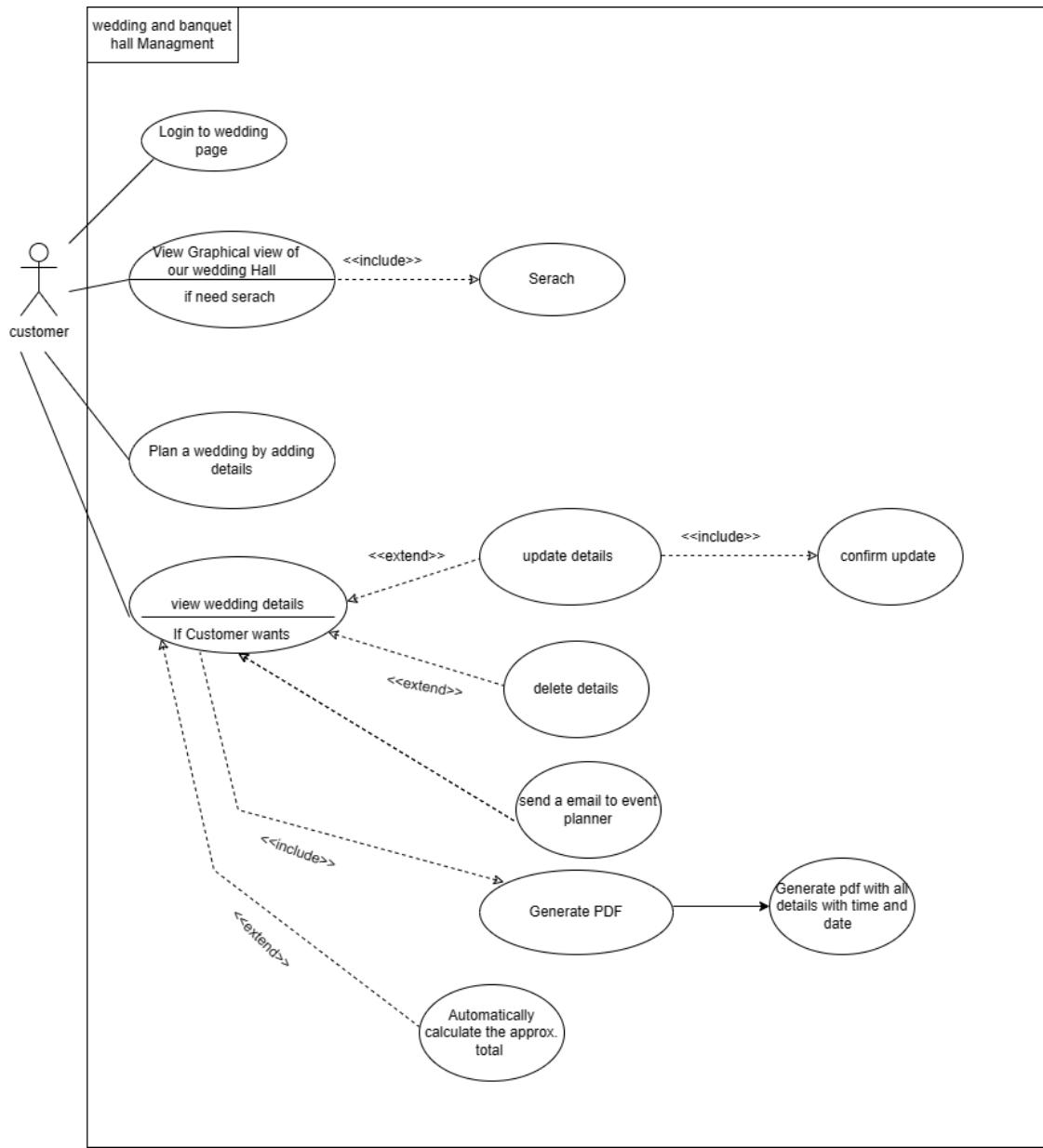
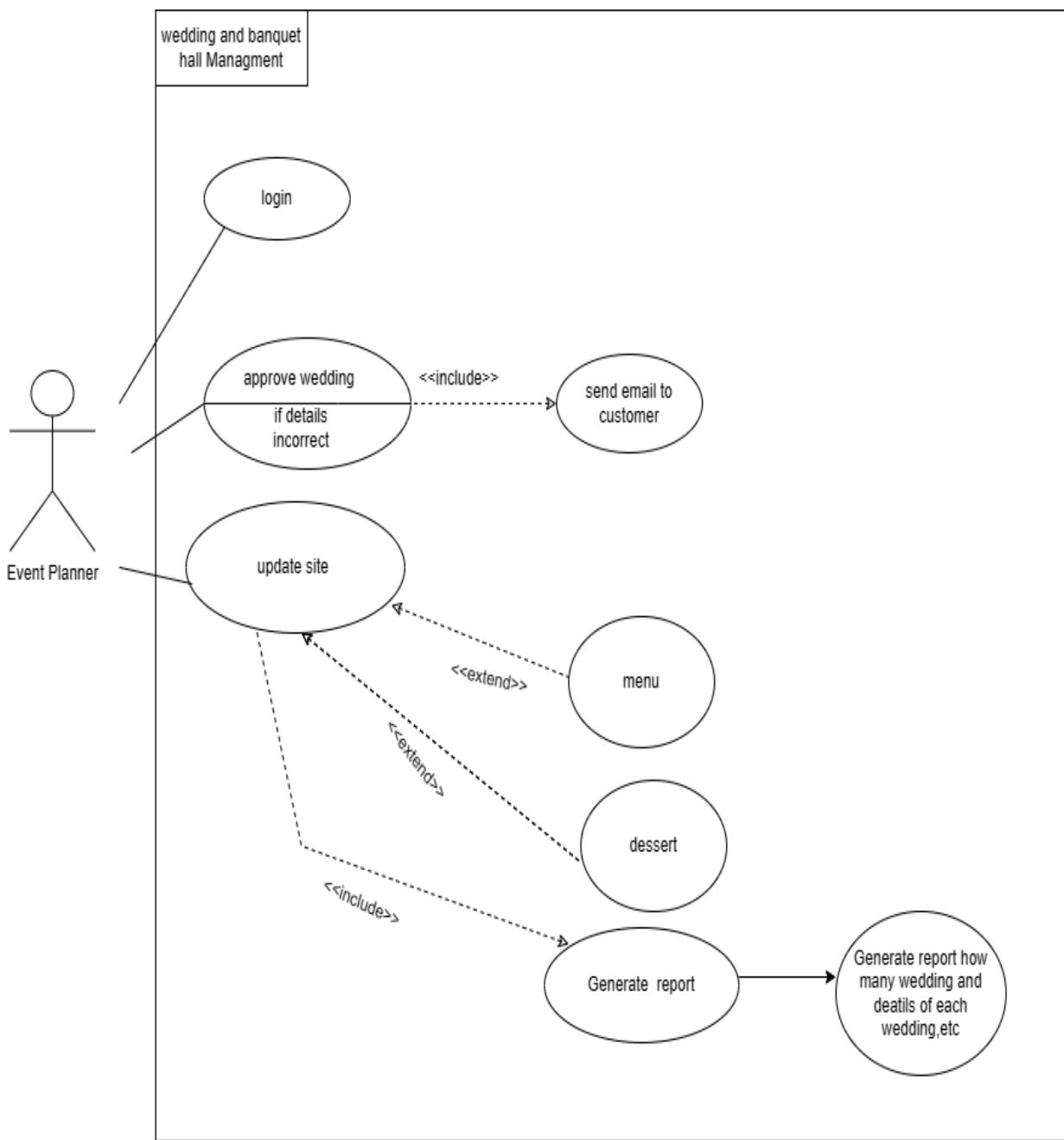


Figure 2 Use case Diagram for Wedding and Banquet Management System



Use case Diagram for Transport Management System



Figure 3 Use case Diagram for Transport Management System

Use case Diagram for Billing and Invoice Management System

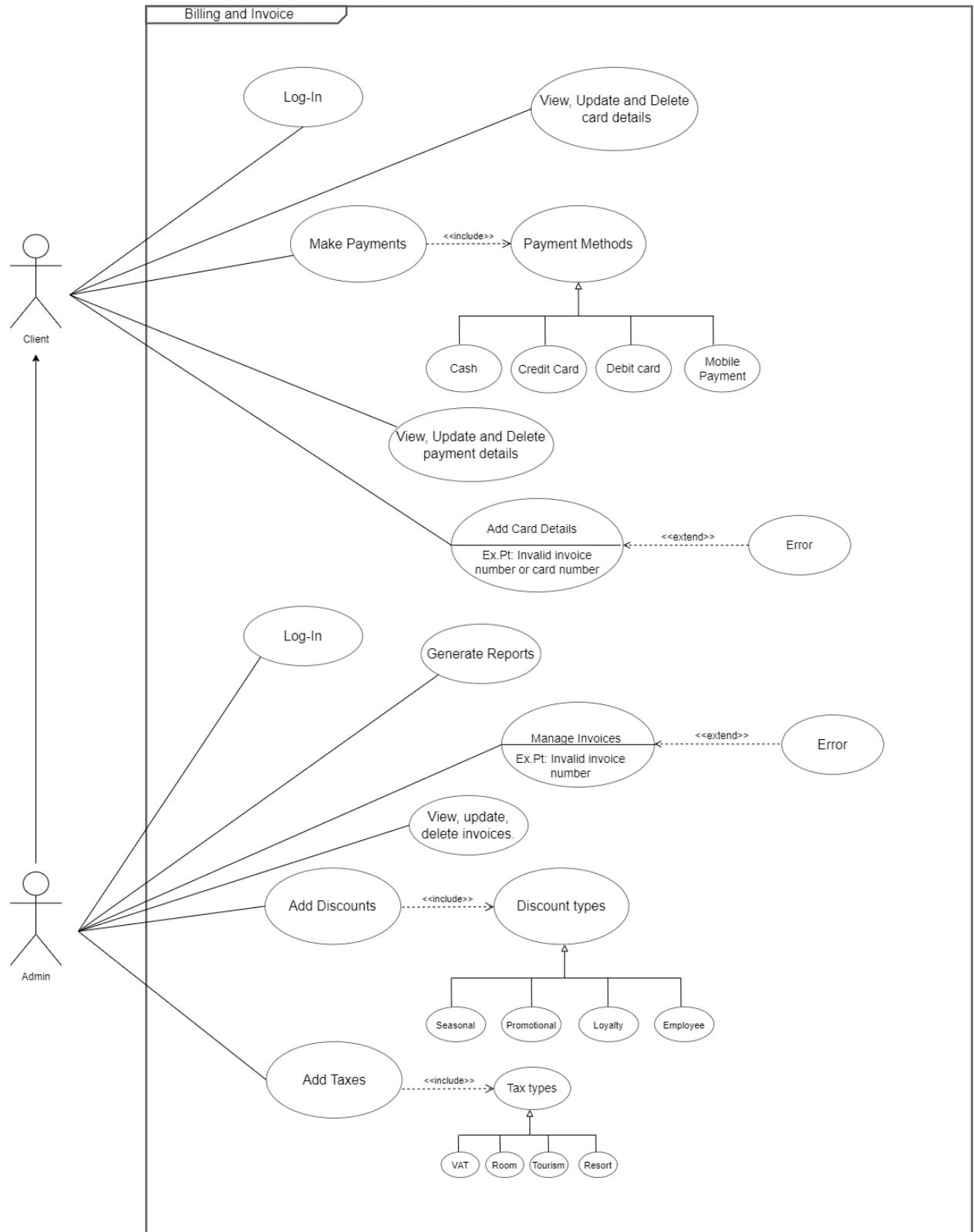


Figure 4 Use case Diagram for Billing and Invoice Management System

Use case Diagram for Inventory Management System

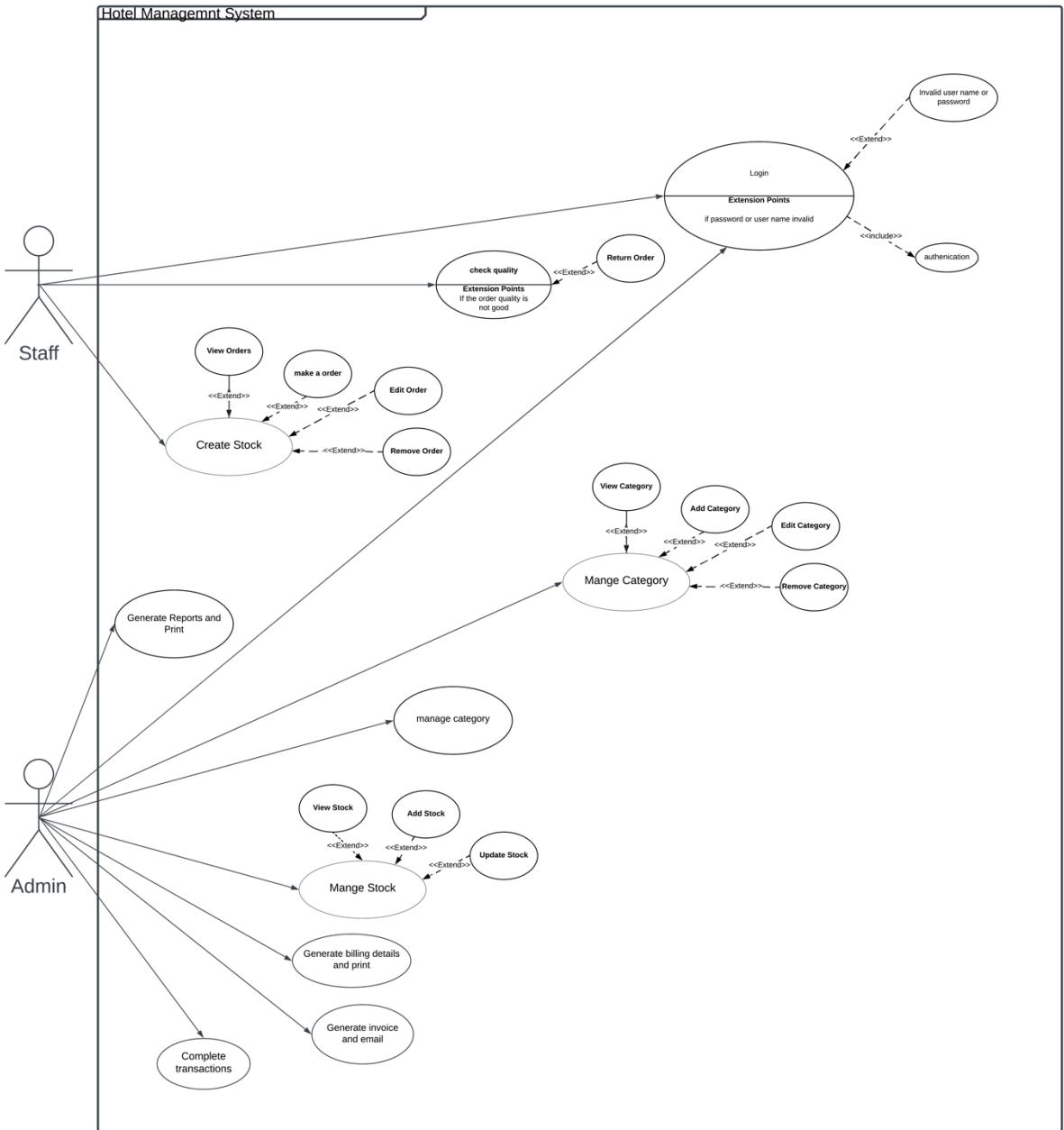


Figure 5 Use case Diagram for Inventory Management System

Use case Diagram for Customer Relationship Management System

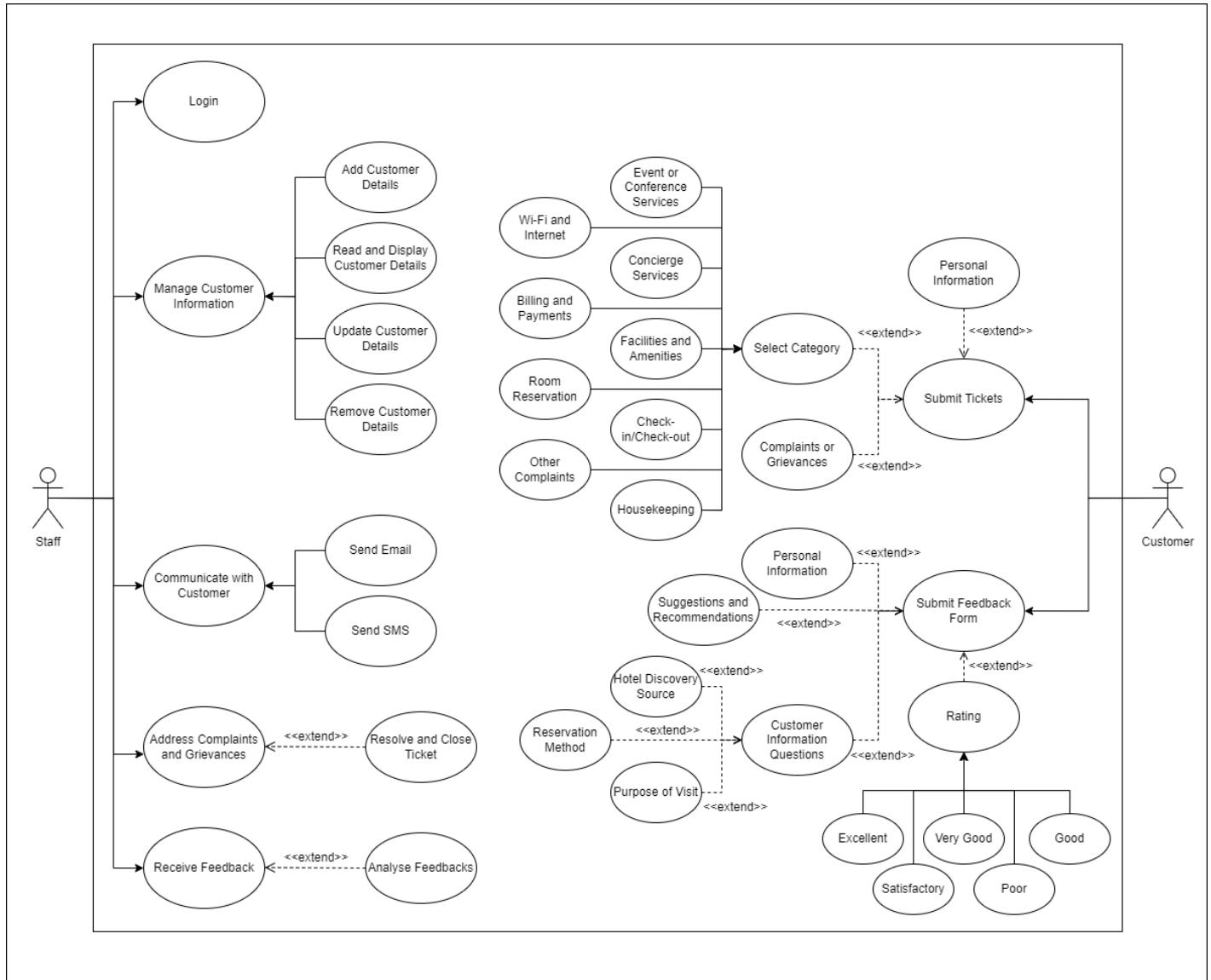


Figure 6 Use Case Diagram for Customer Relationship Management System

Use case Diagram for Employee Management System



Figure 7 Use case Diagram for Employee Management System

Use case Diagram for Restaurant Management System

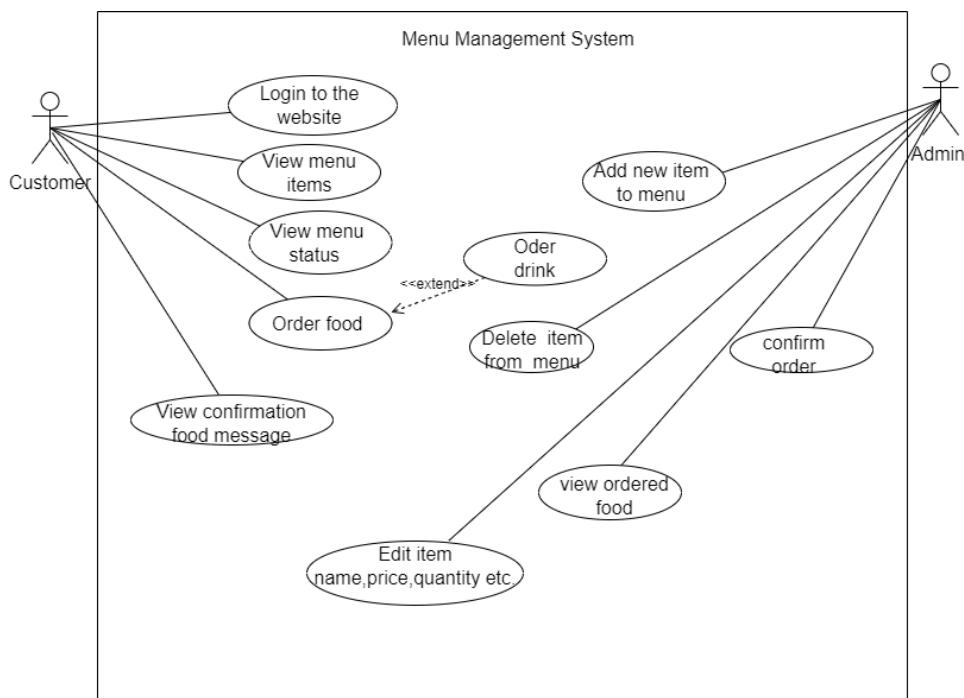


Figure 8 Use case Diagram for Restaurant Management System

Activity Diagram

Activity Diagram for Room Reservation and Booking Management System

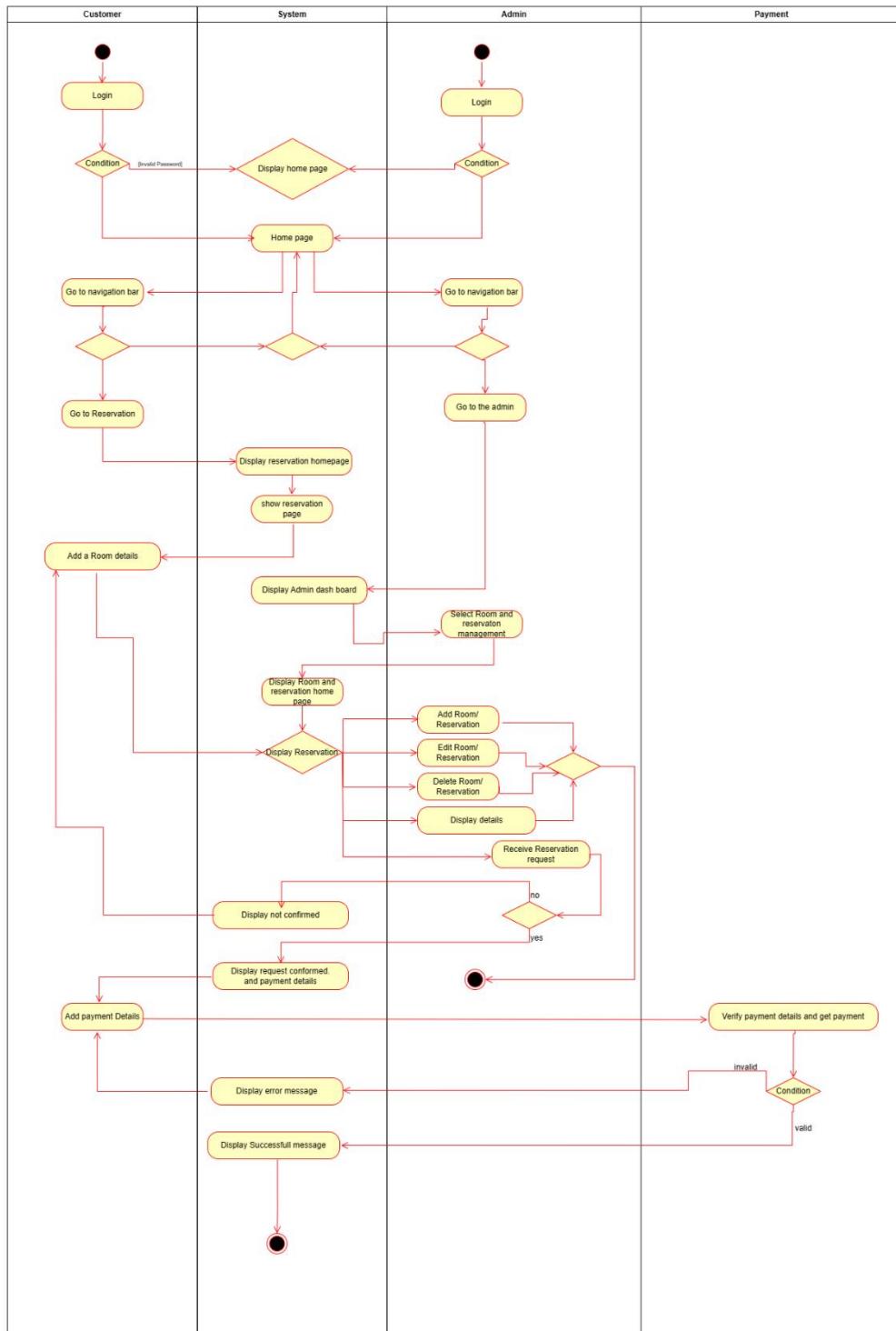


Figure 9 Activity Diagram for Room Reservation and Booking Management System

Activity Diagram for Wedding and Banquet Management System

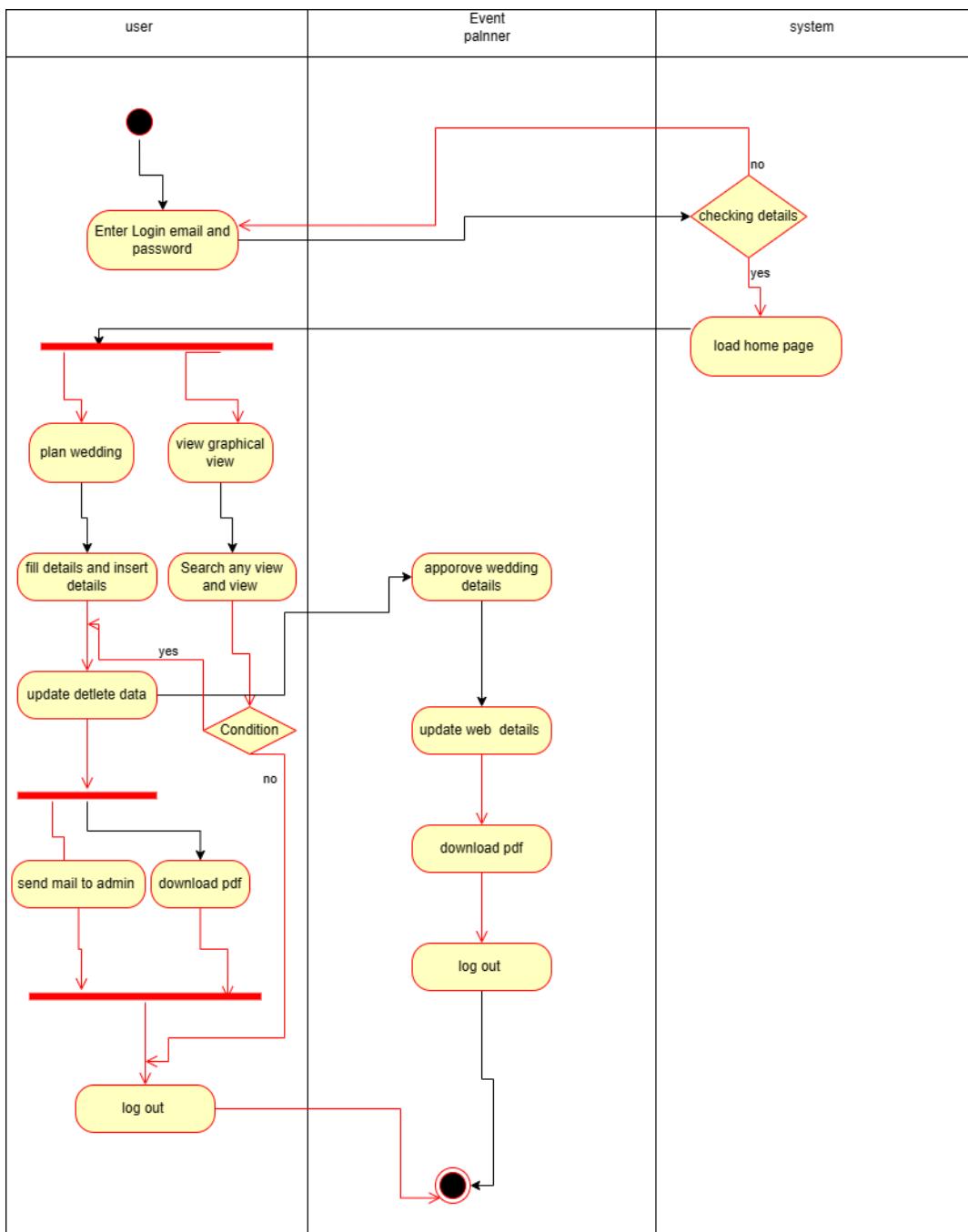


Figure 10 Activity Diagram for Wedding and Banquet Management System

Activity Diagram for Transport Management System

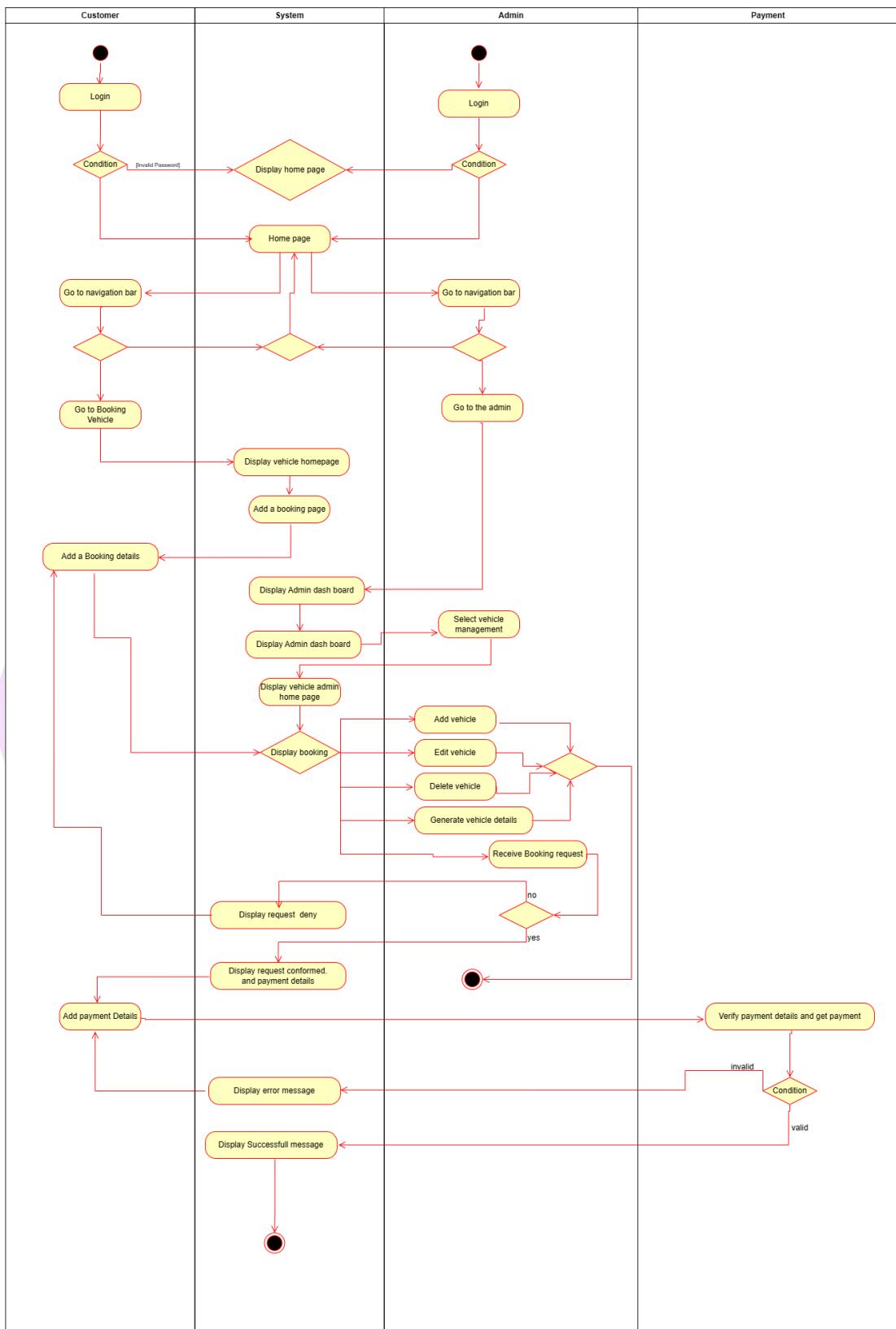


Figure 11 Activity Diagram for Transport Management System

Activity Diagram for Billing and Invoice Management System

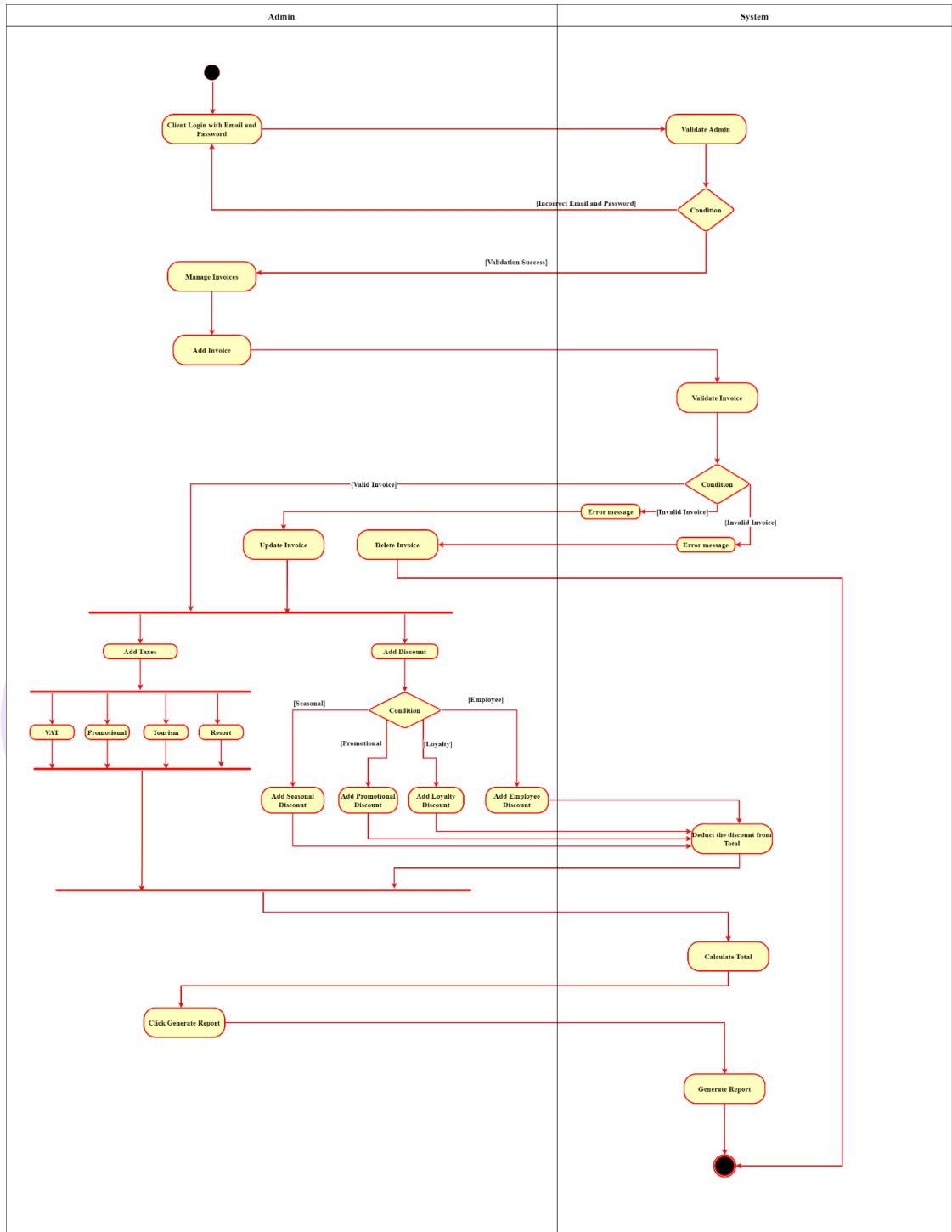
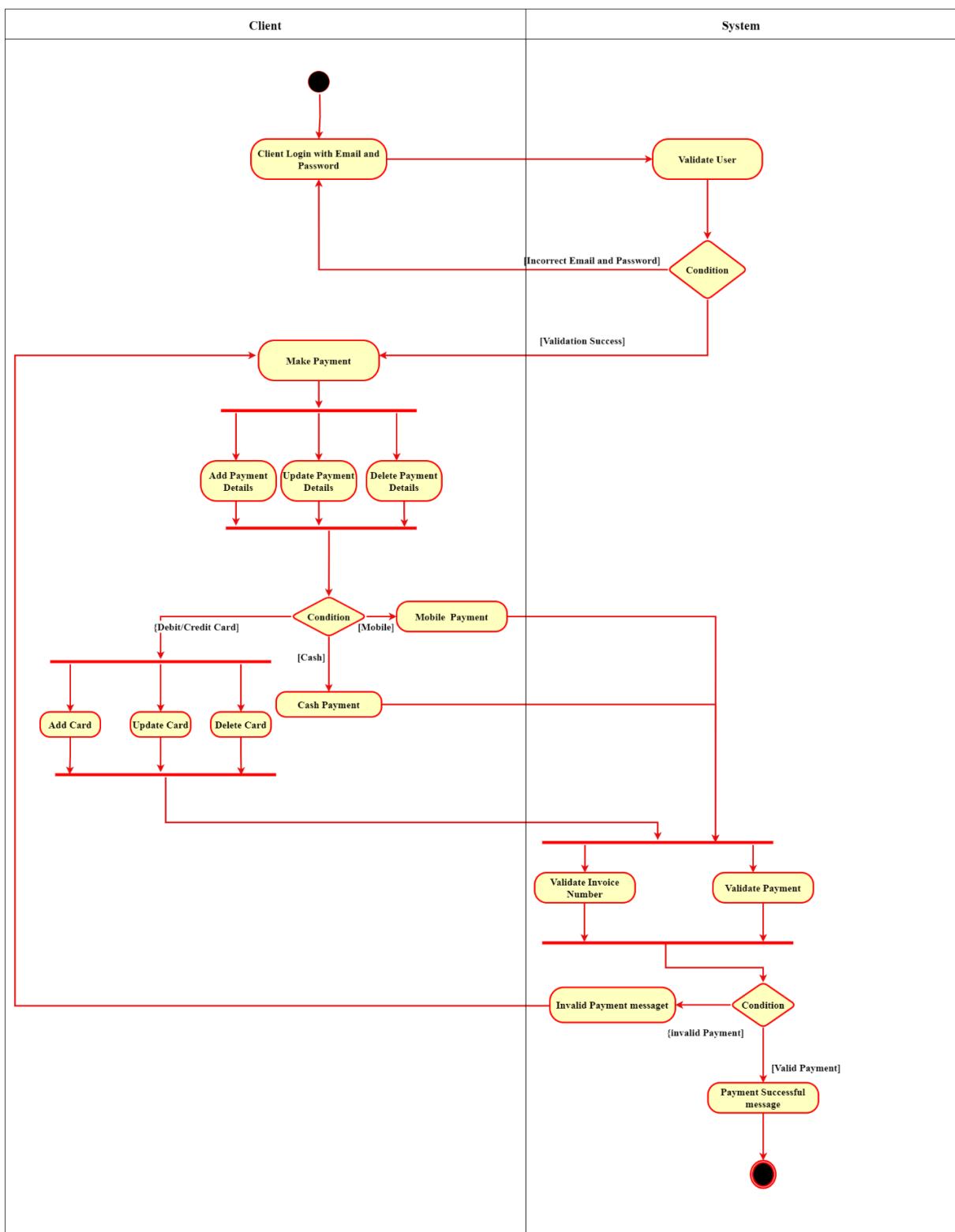


Figure 12 Activity Diagram for Billing and Invoice Management System



Activity Diagram for Inventory Management System

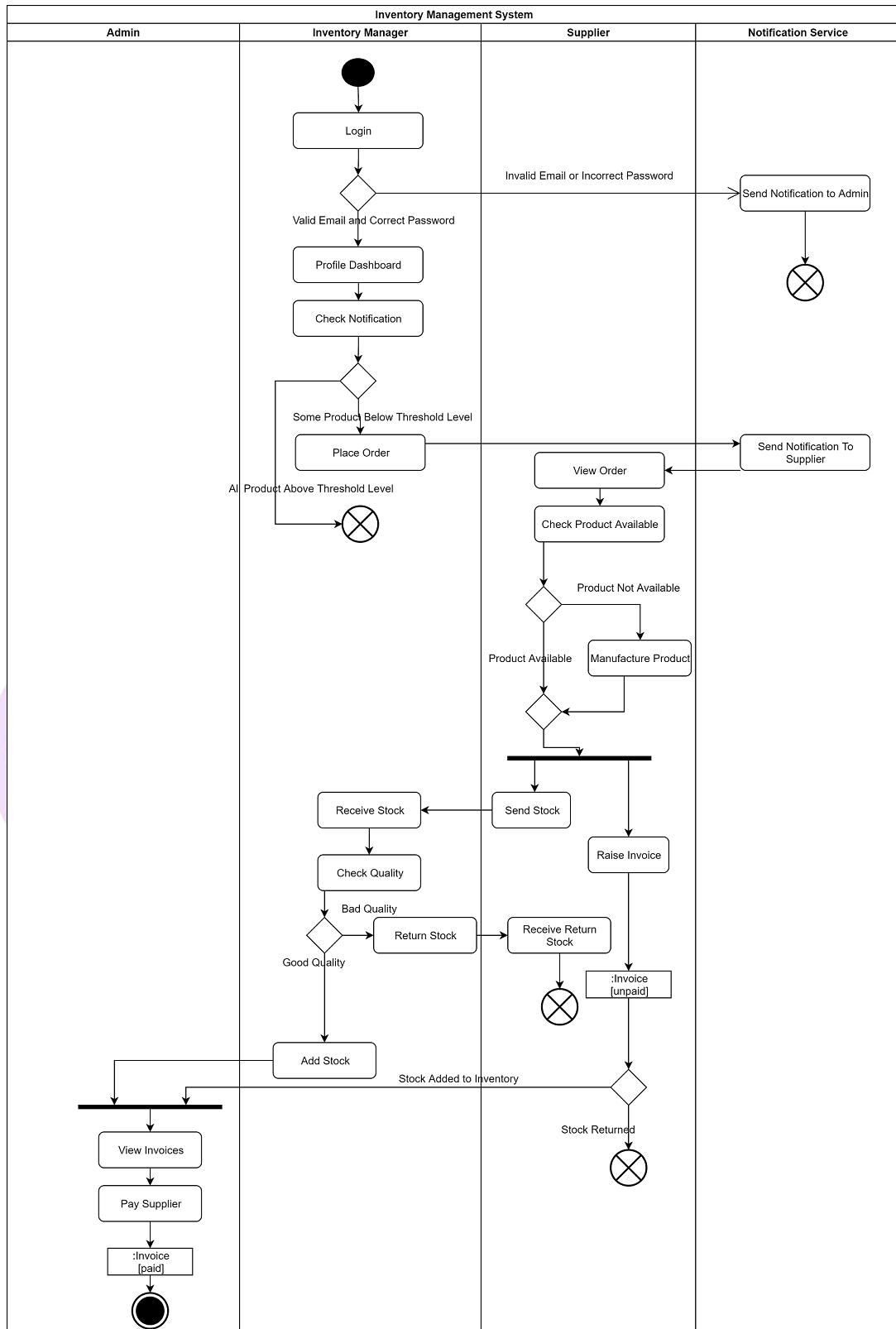


Figure 13 Activity Diagram for Inventory Management System

Activity Diagram for Customer Relationship Management System

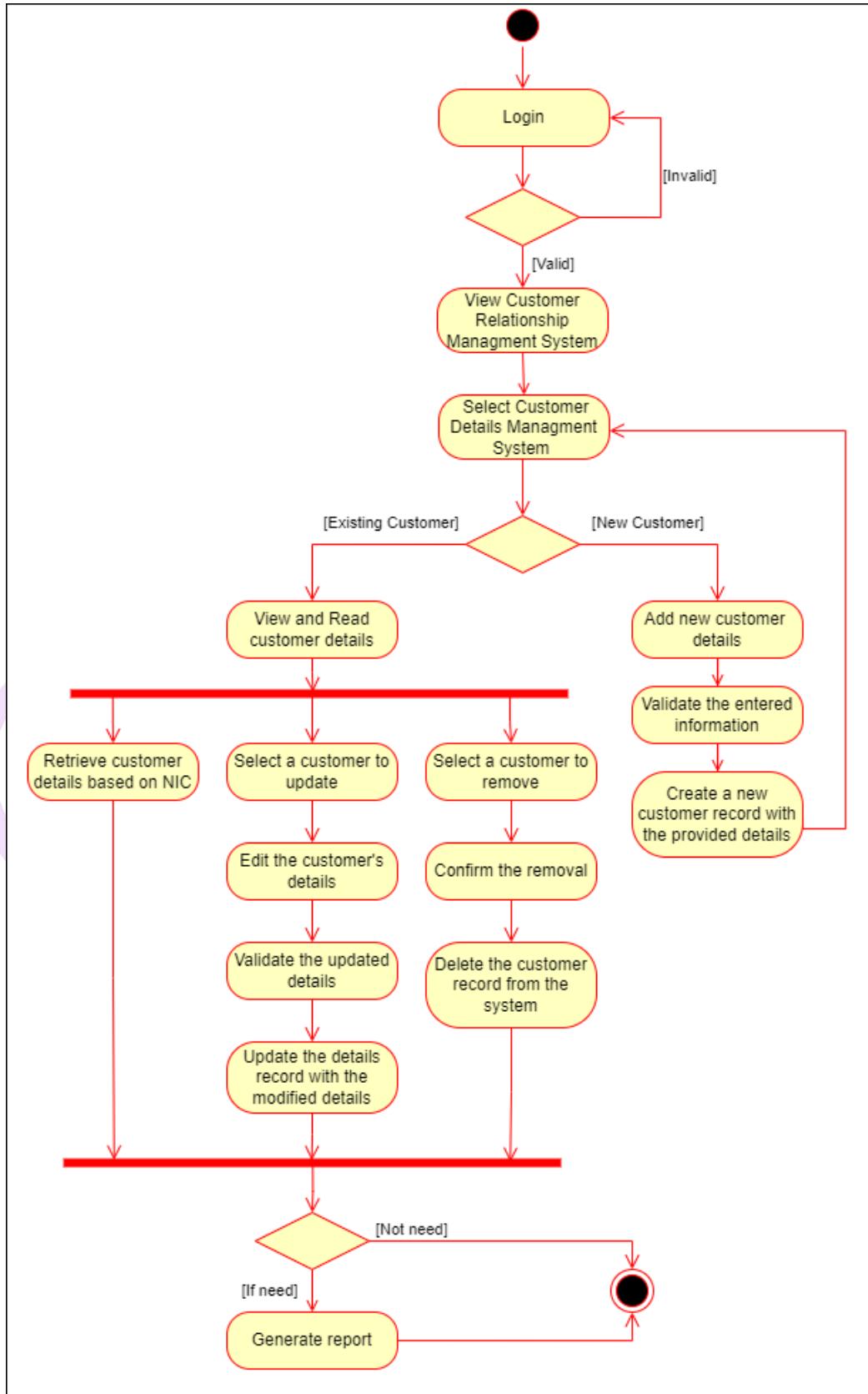
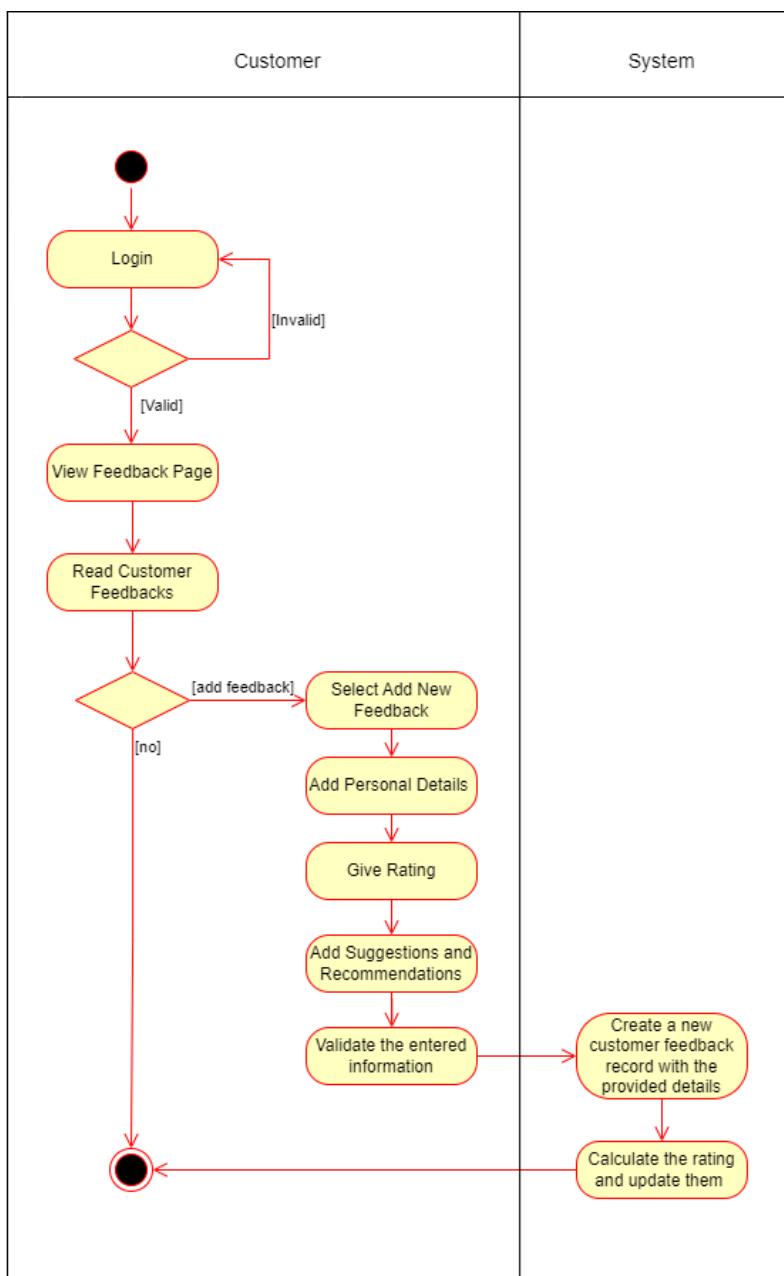
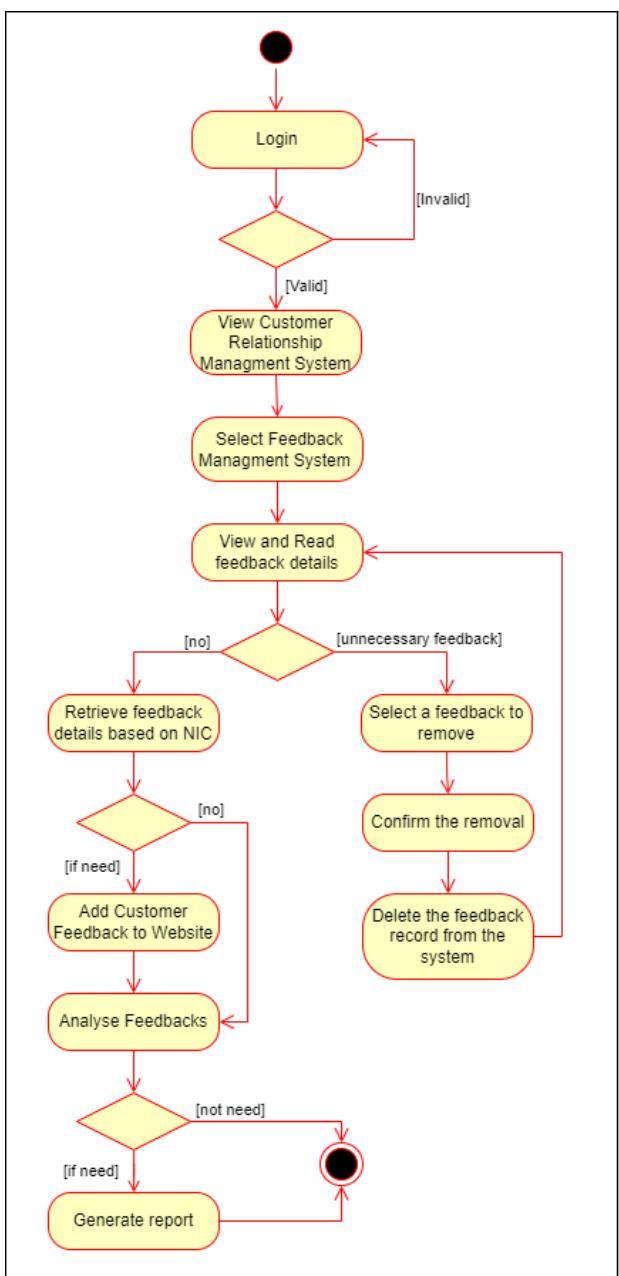
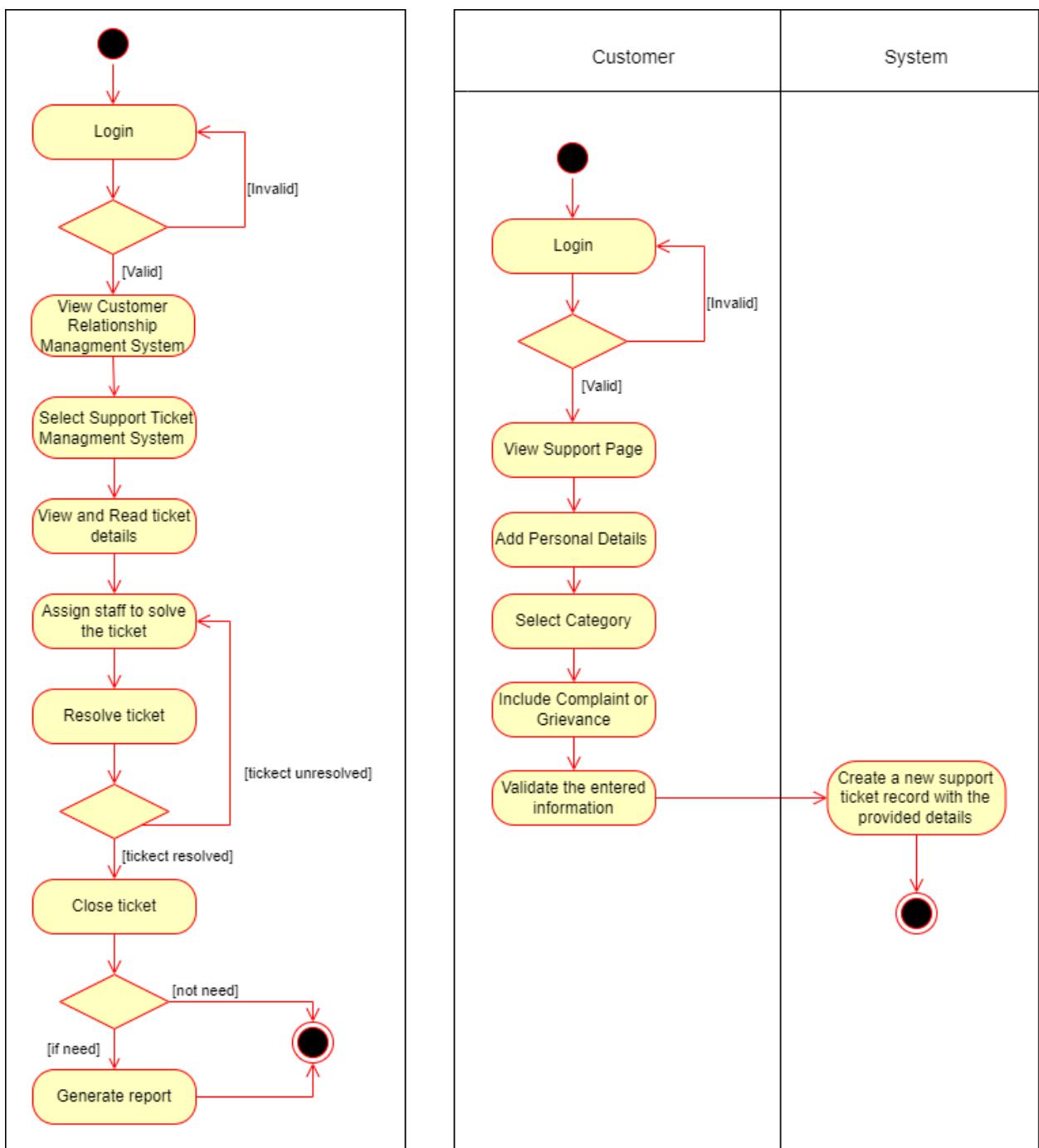


Figure 14 Activity Diagram for Customer Relationship Management System





Activity Diagram for Employee Management System

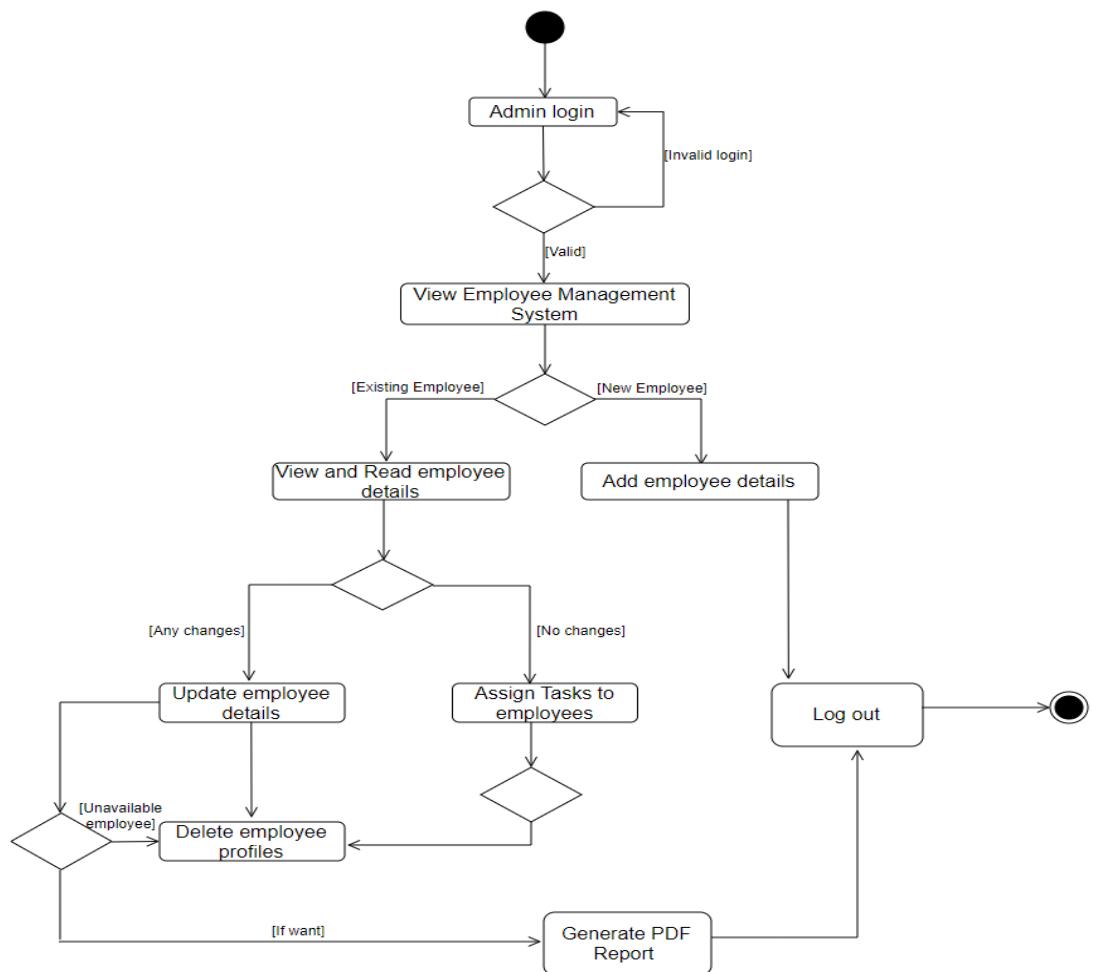


Figure 15 Activity Diagram for Employee Management System

Activity Diagram for Restaurant Management System

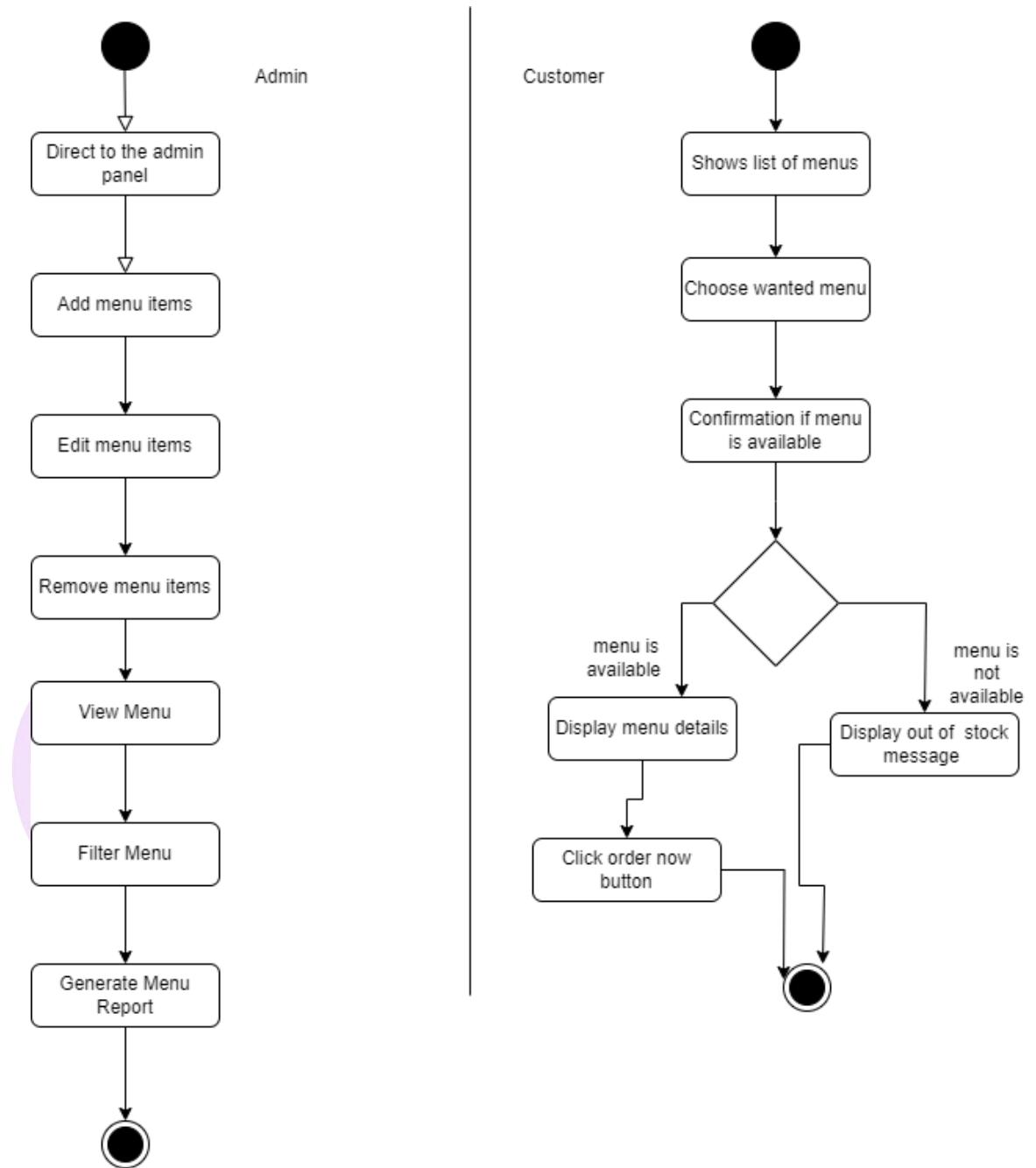


Figure 16 Activity Diagram for Restaurant Management System

Sequence Diagrams

Sequence diagram for Room Reservation Management

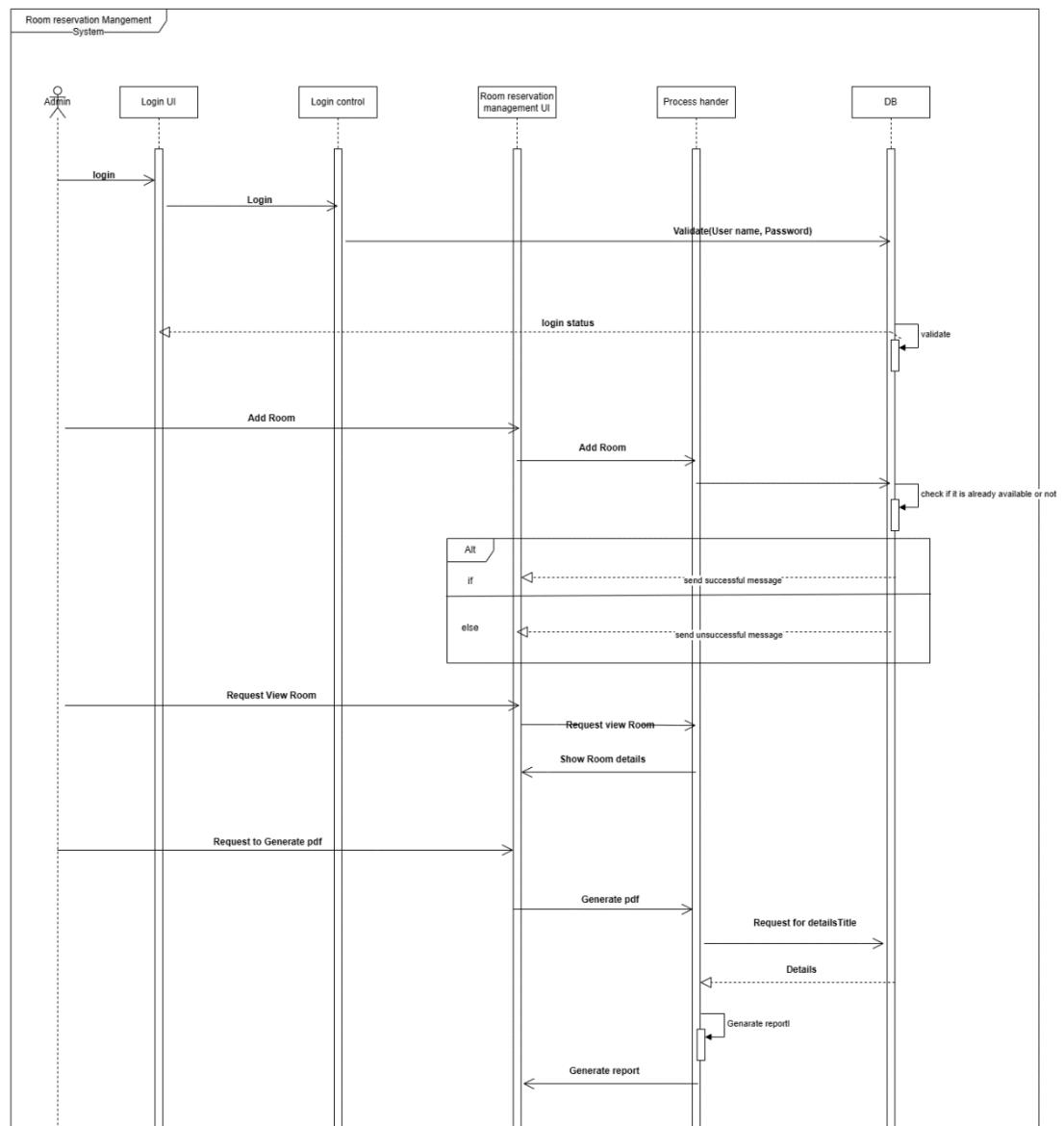
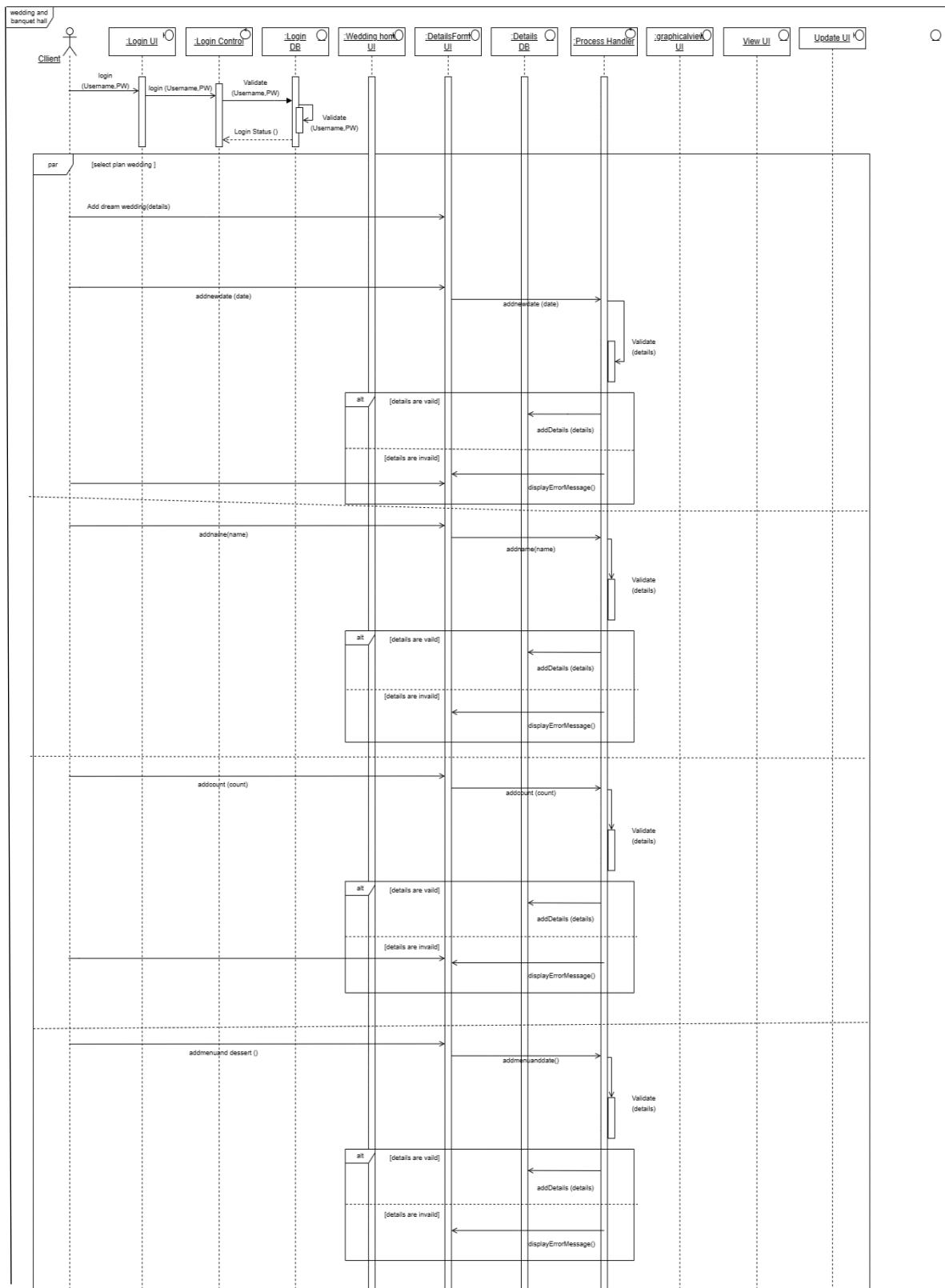


Figure 17 Sequence diagram for Room Reservation Management

Sequence diagram for Wedding and Banquet Management System



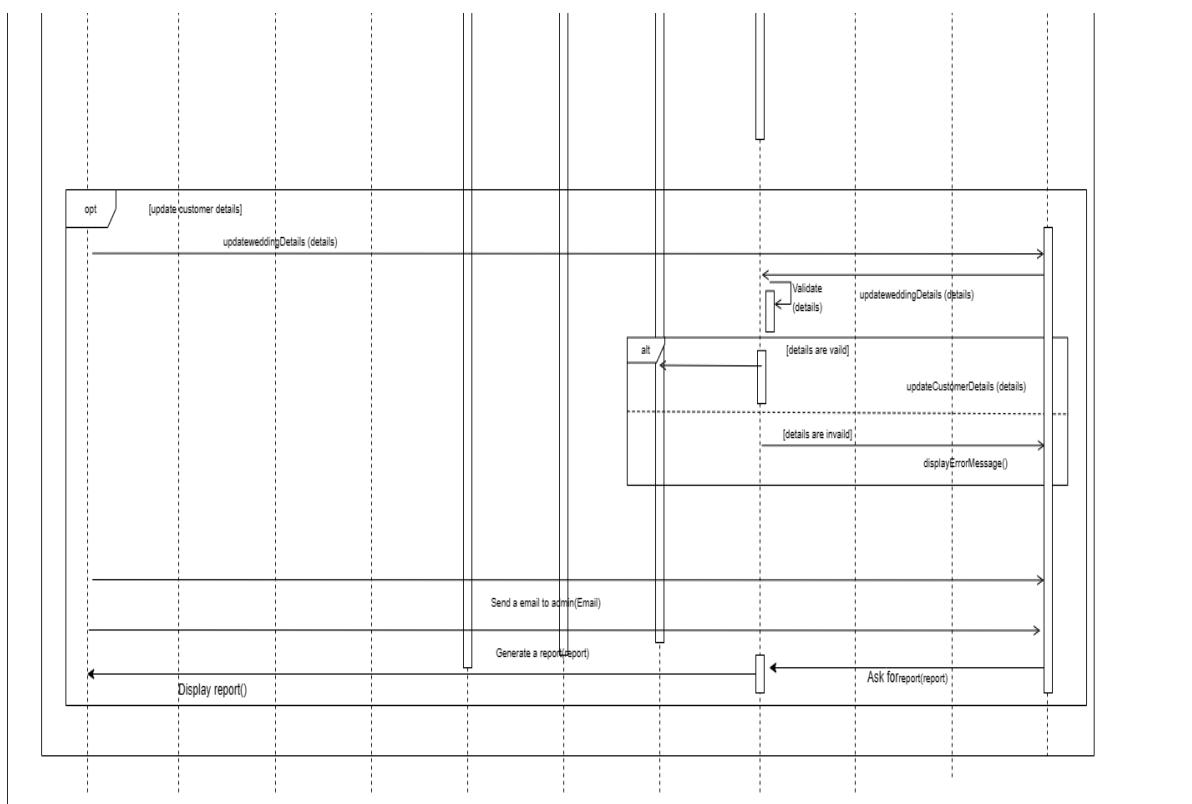


Figure 18 Sequence diagram for Wedding and Banquet Management System

Sequence diagram for Transport Management

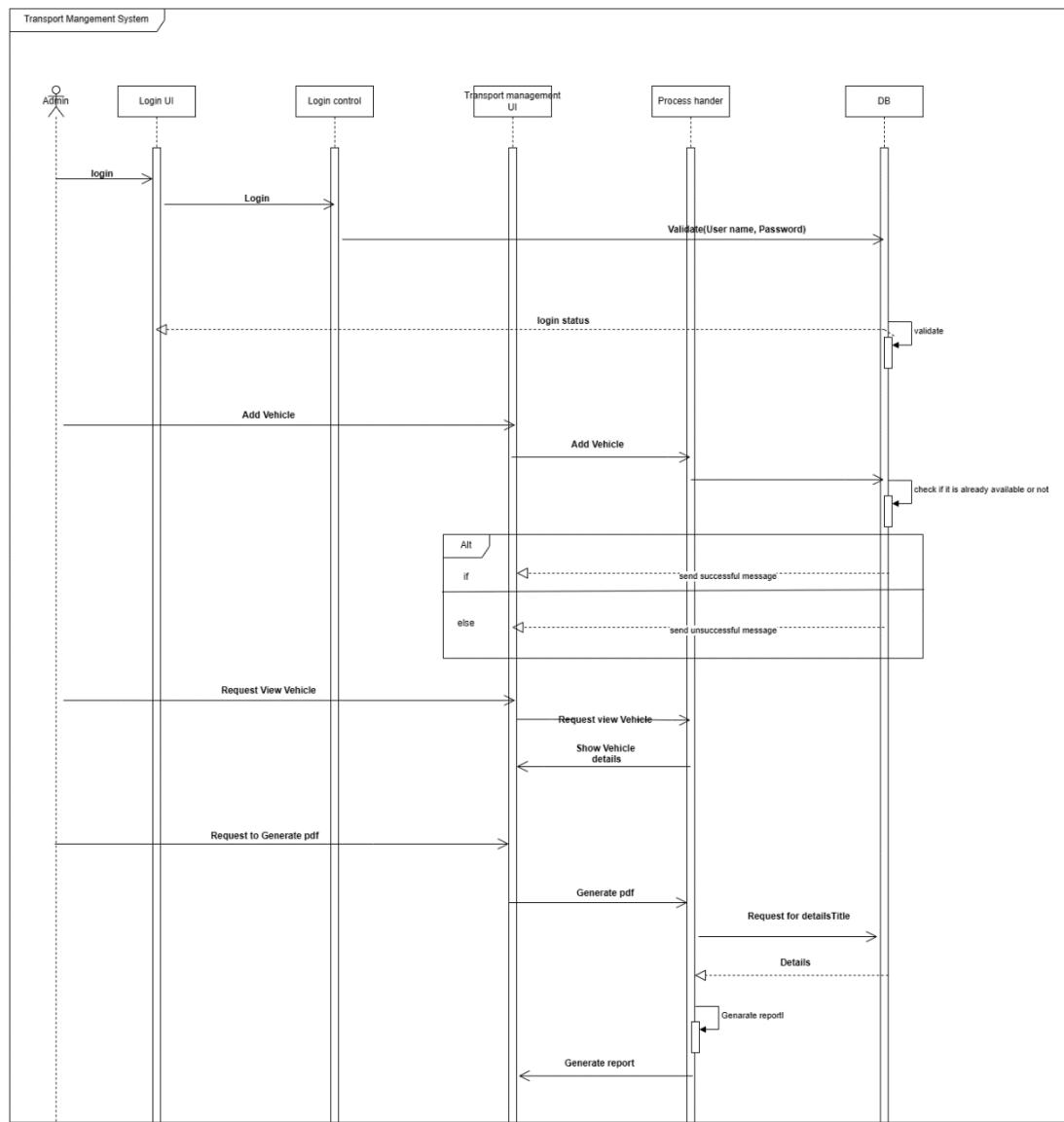


Figure 19 Sequence diagram for Transport Management

Sequence diagram for Billing and Invoice Management System

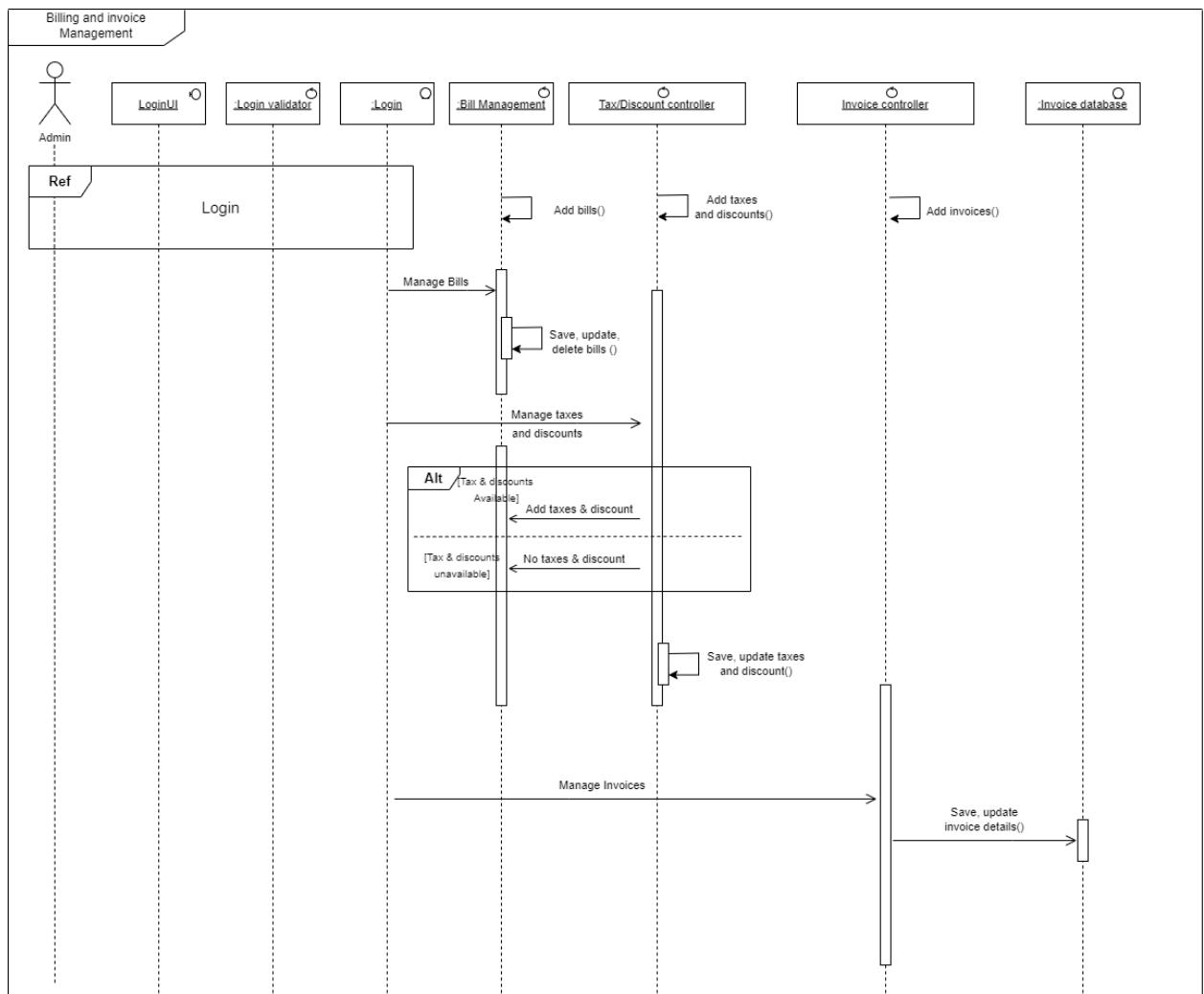
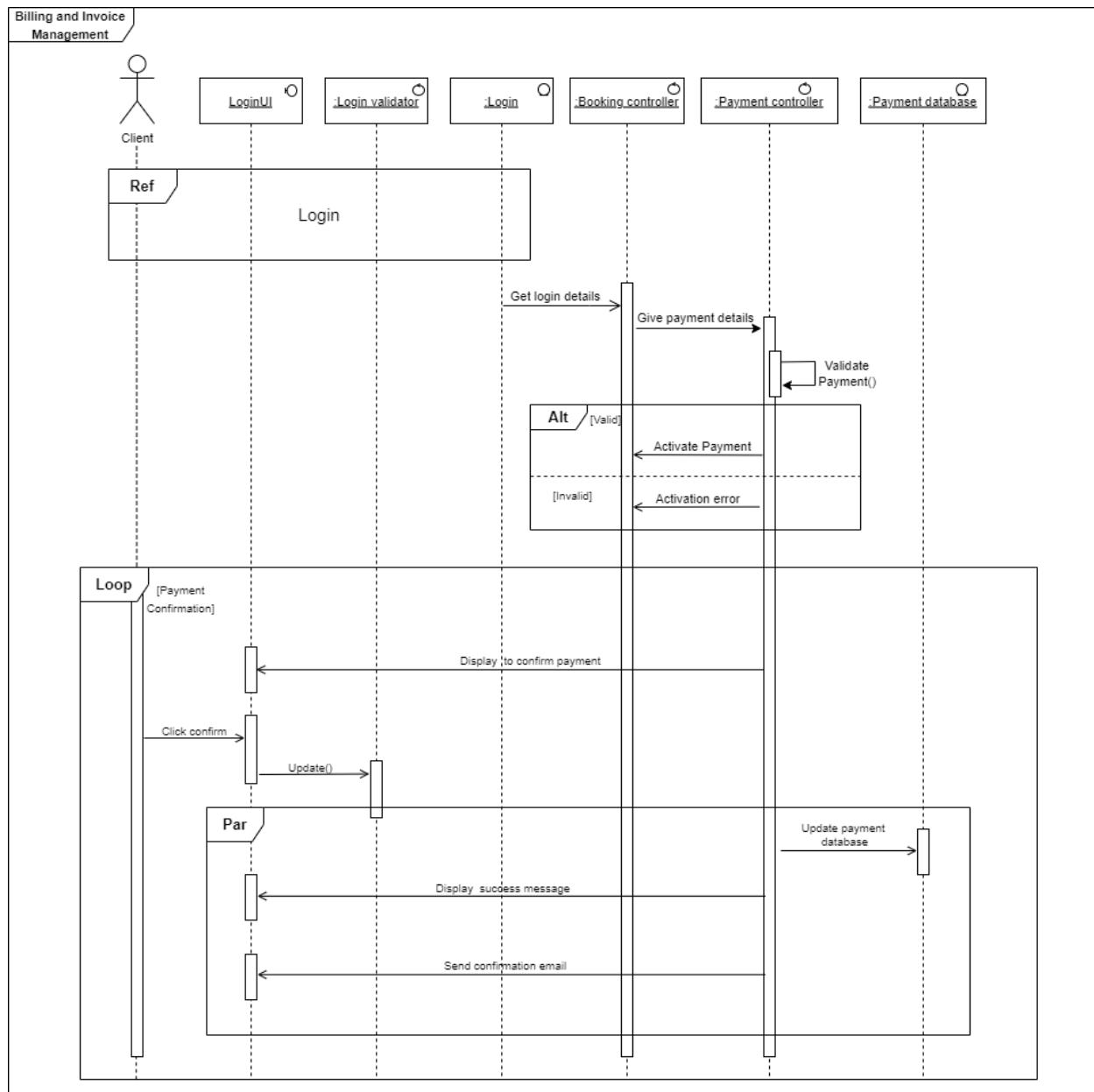


Figure 20 Sequence diagram for Billing and Invoice Management System

Sequence diagram for Inventory Management System



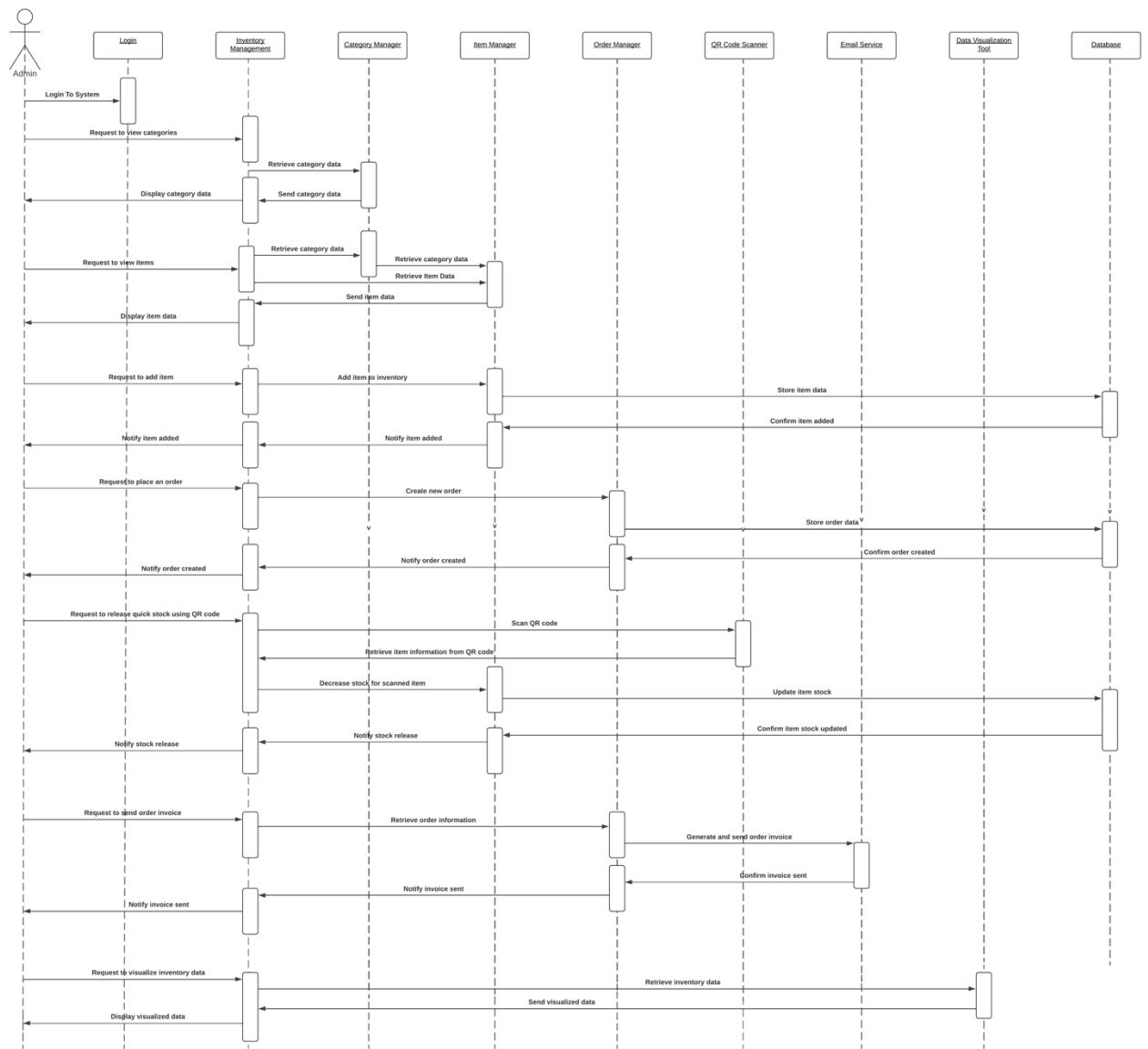
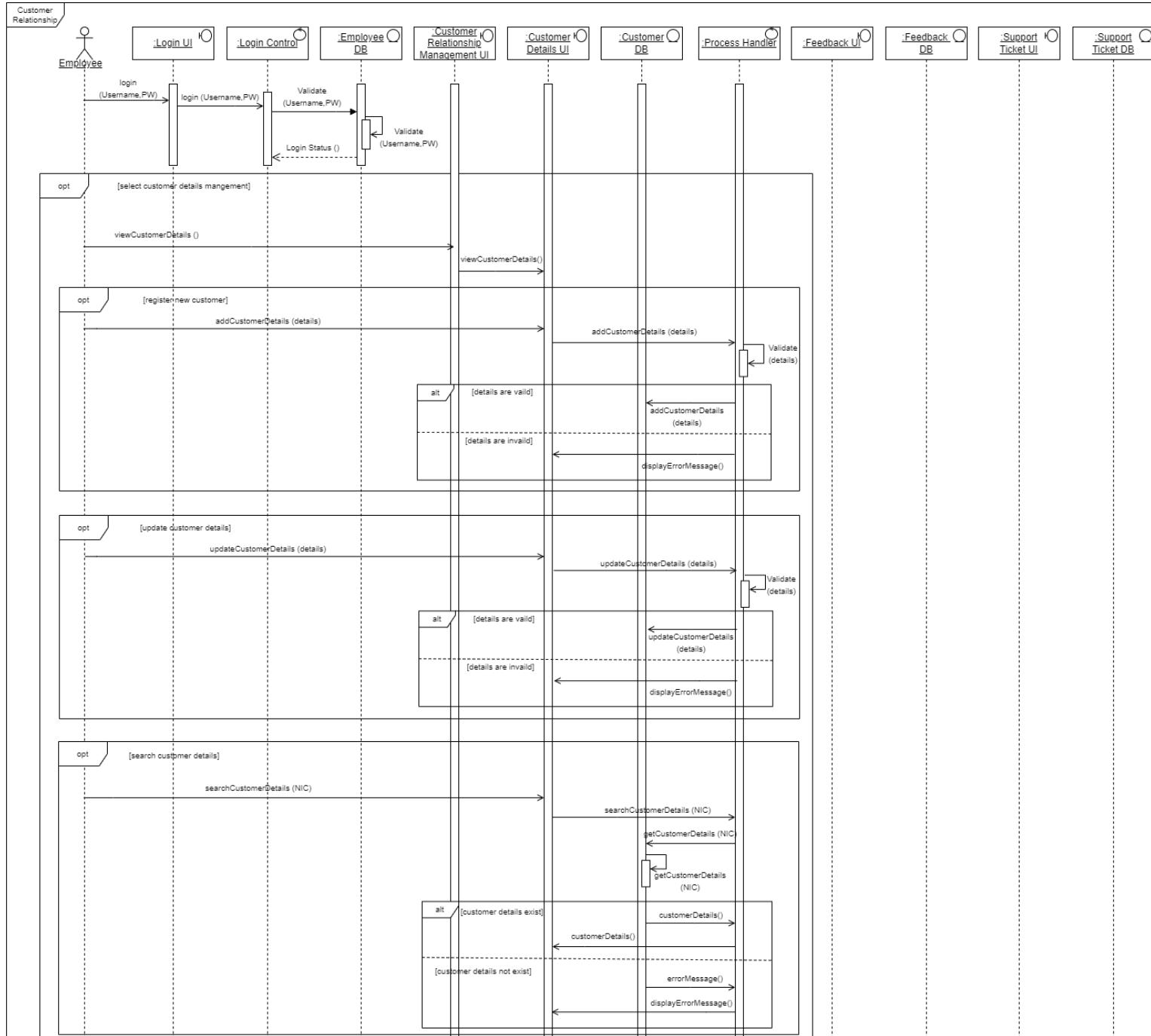


Figure 21 Sequence diagram for Inventory Management System

Sequence diagram for Customer Relationship Management System



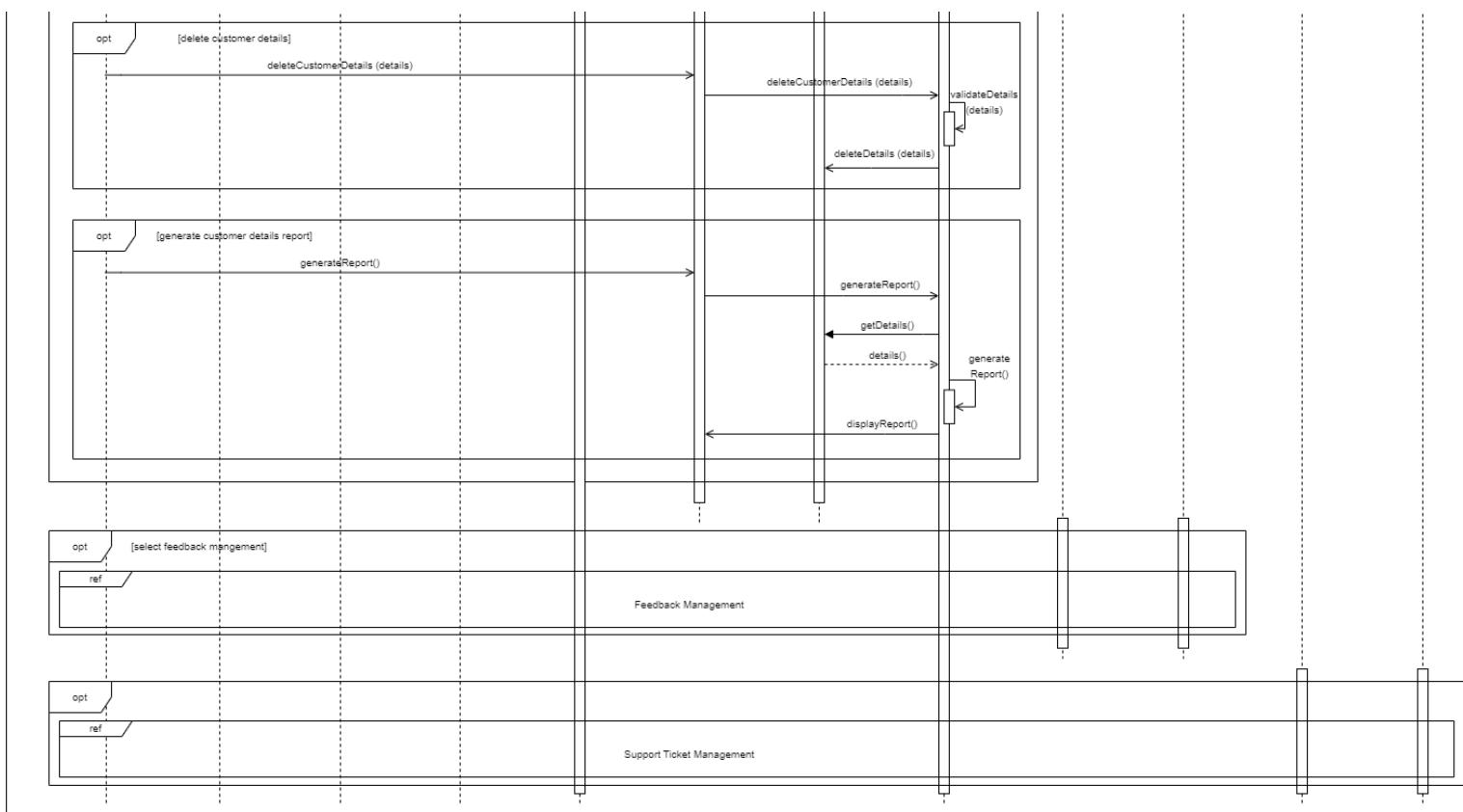
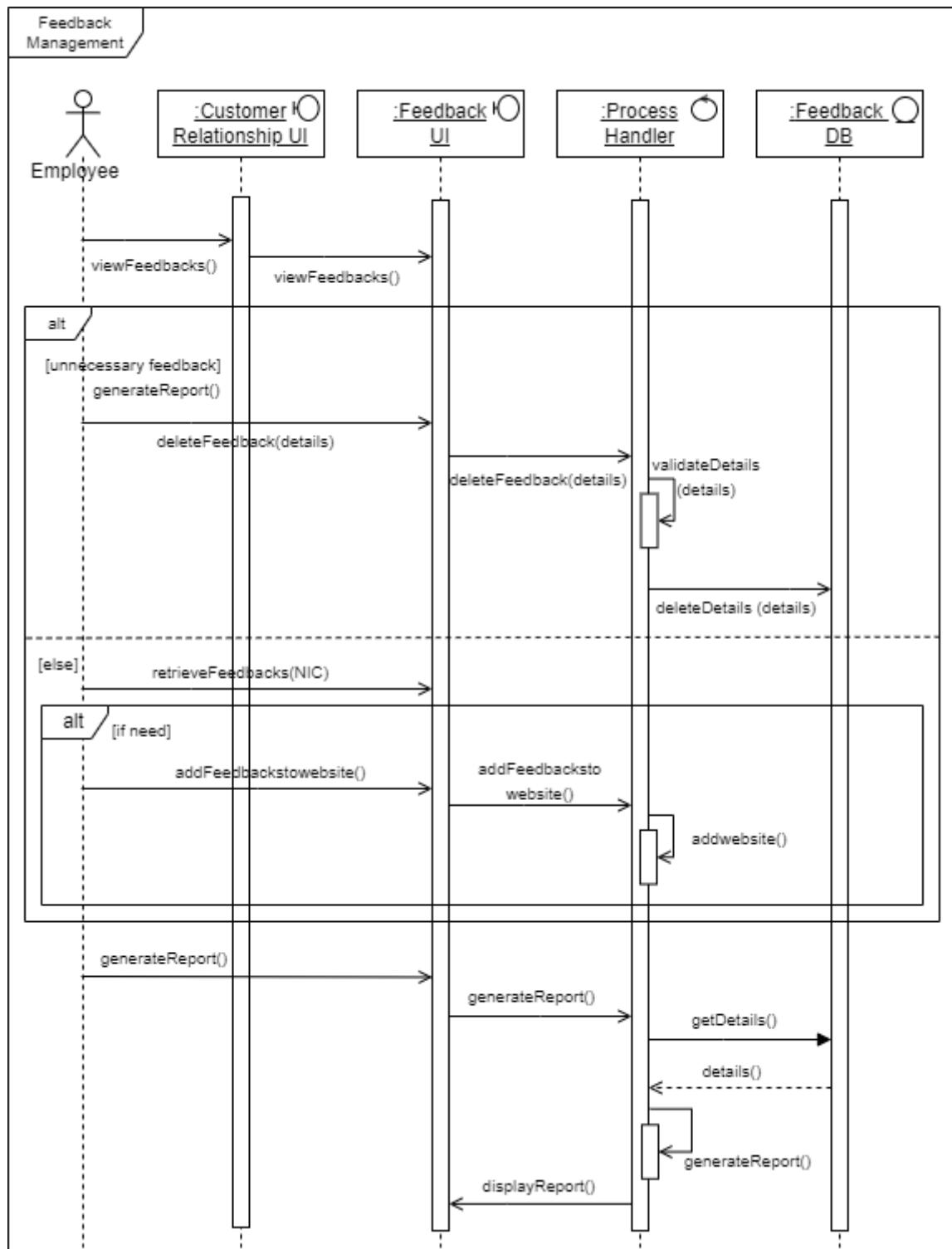
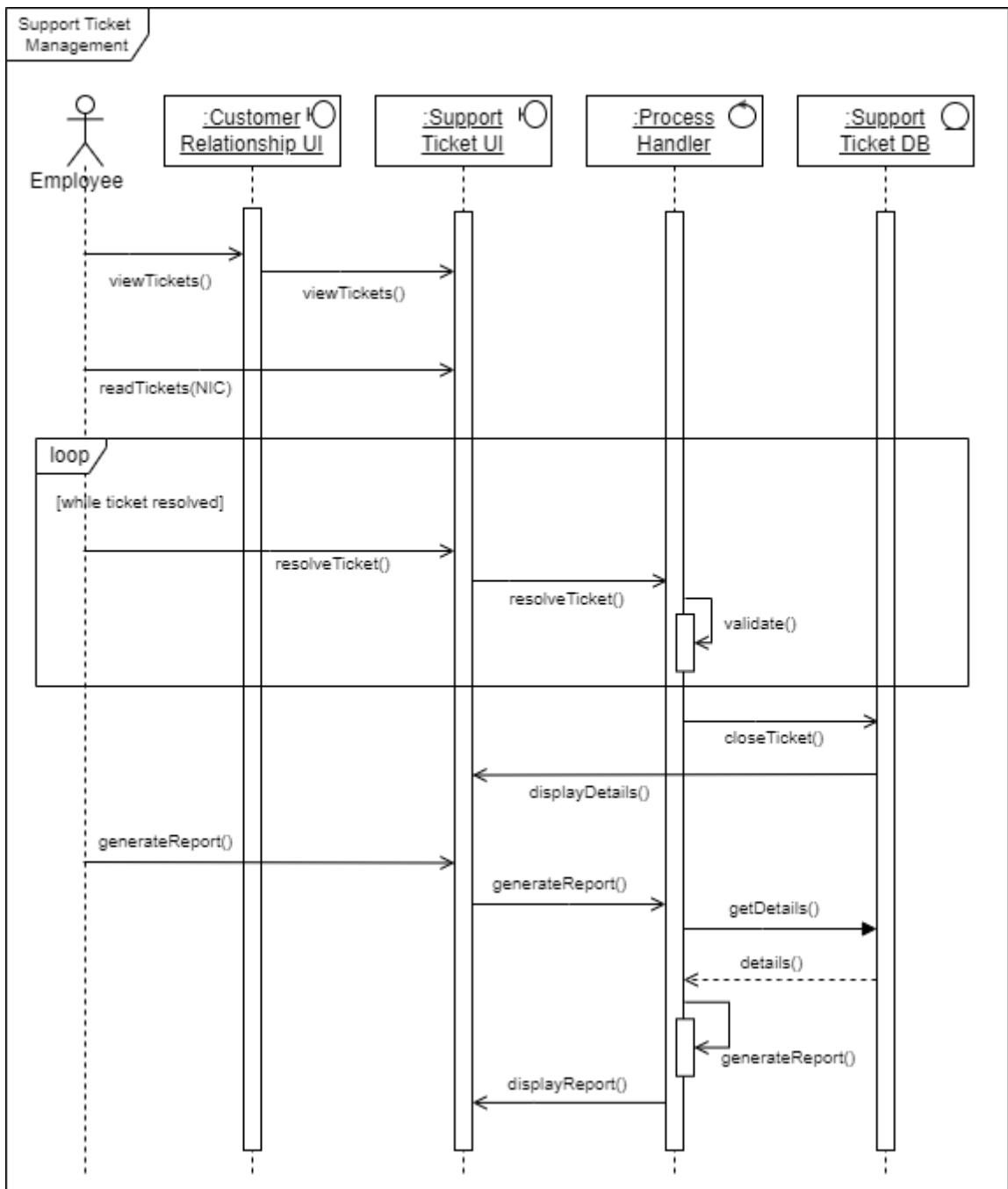


Figure 22 Sequence diagram for Customer Relationship Management System





Sequence diagram for Employee Management System

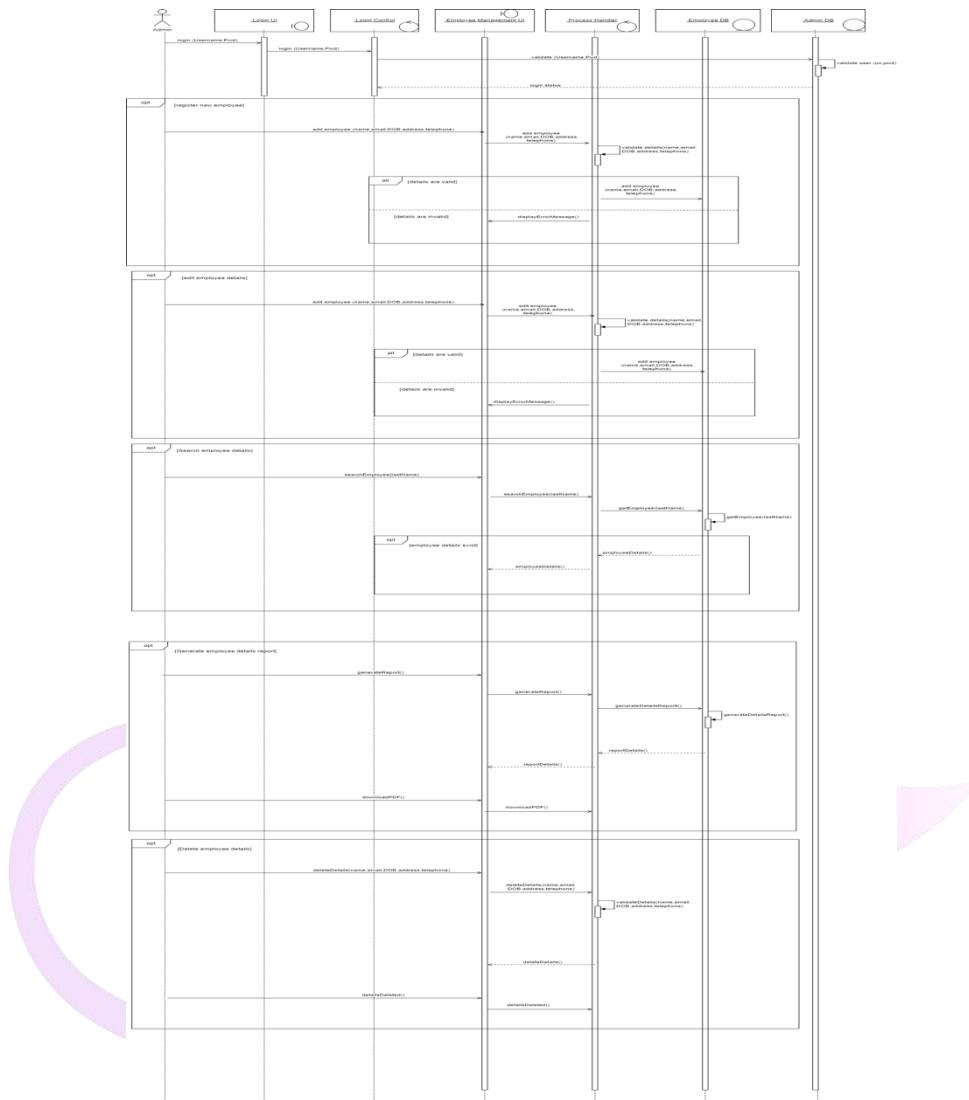
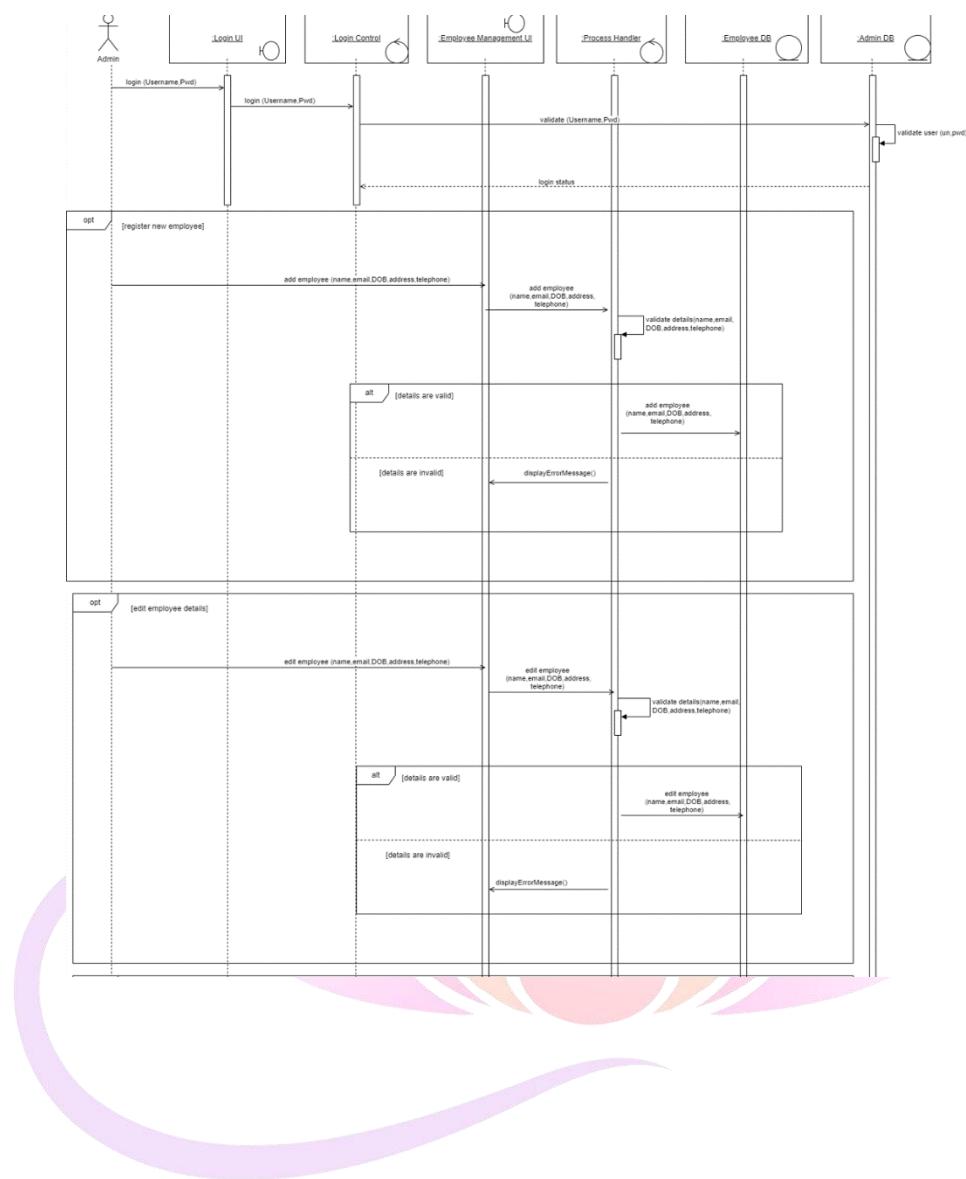
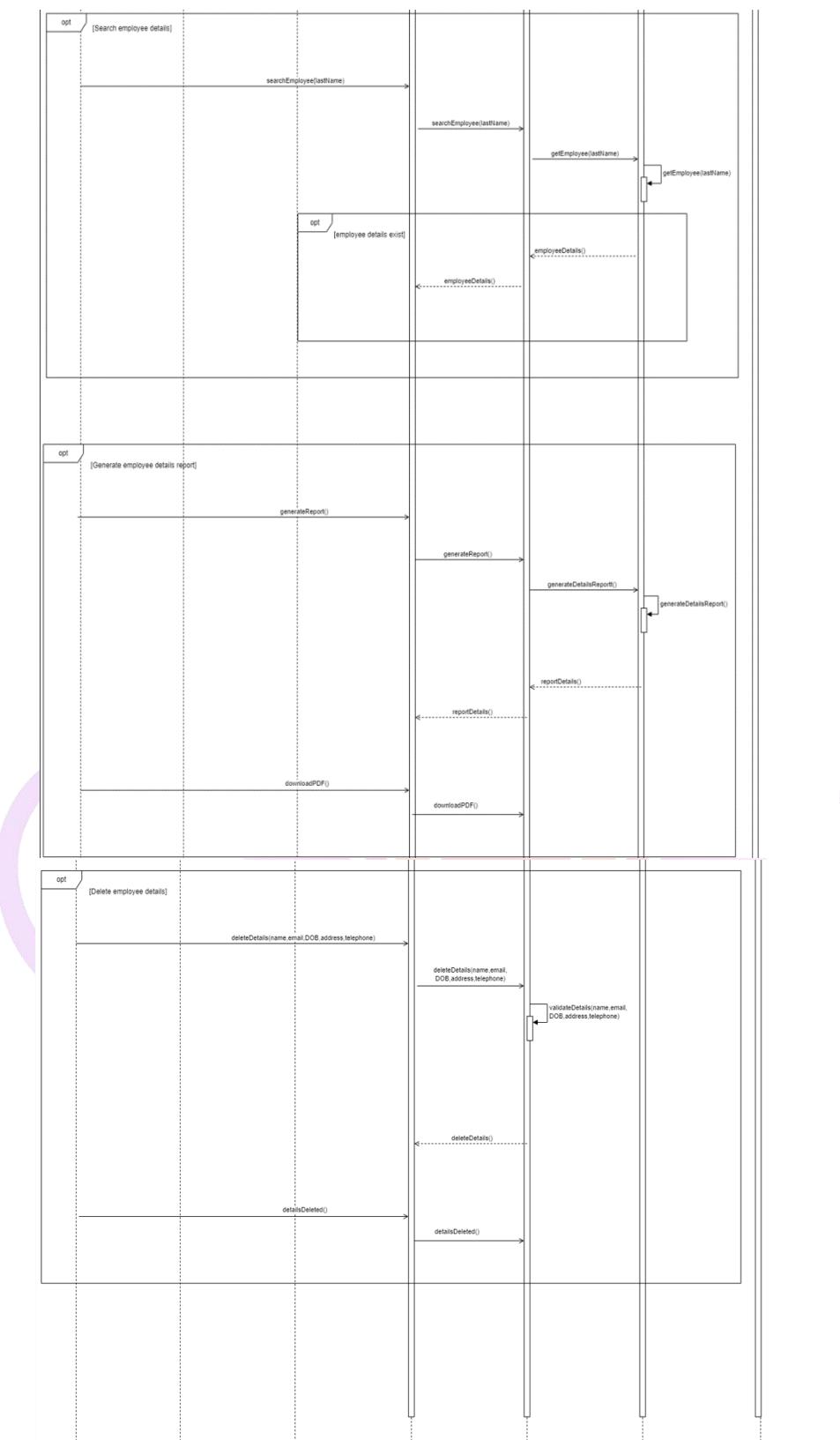


Figure 23 Sequence diagram for Employee Management System





Sequence diagram for Restaurant Management System

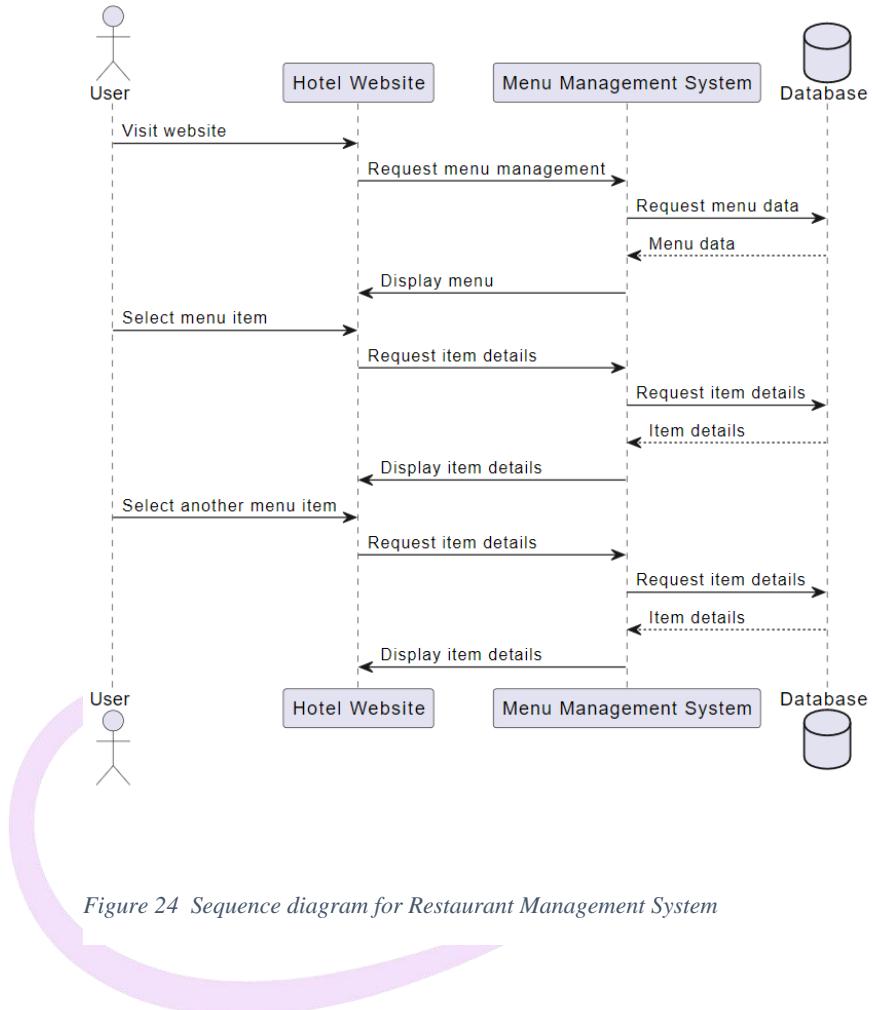


Figure 24 Sequence diagram for Restaurant Management System

State Chart Diagrams

State chart diagram for Room Reservation Management System

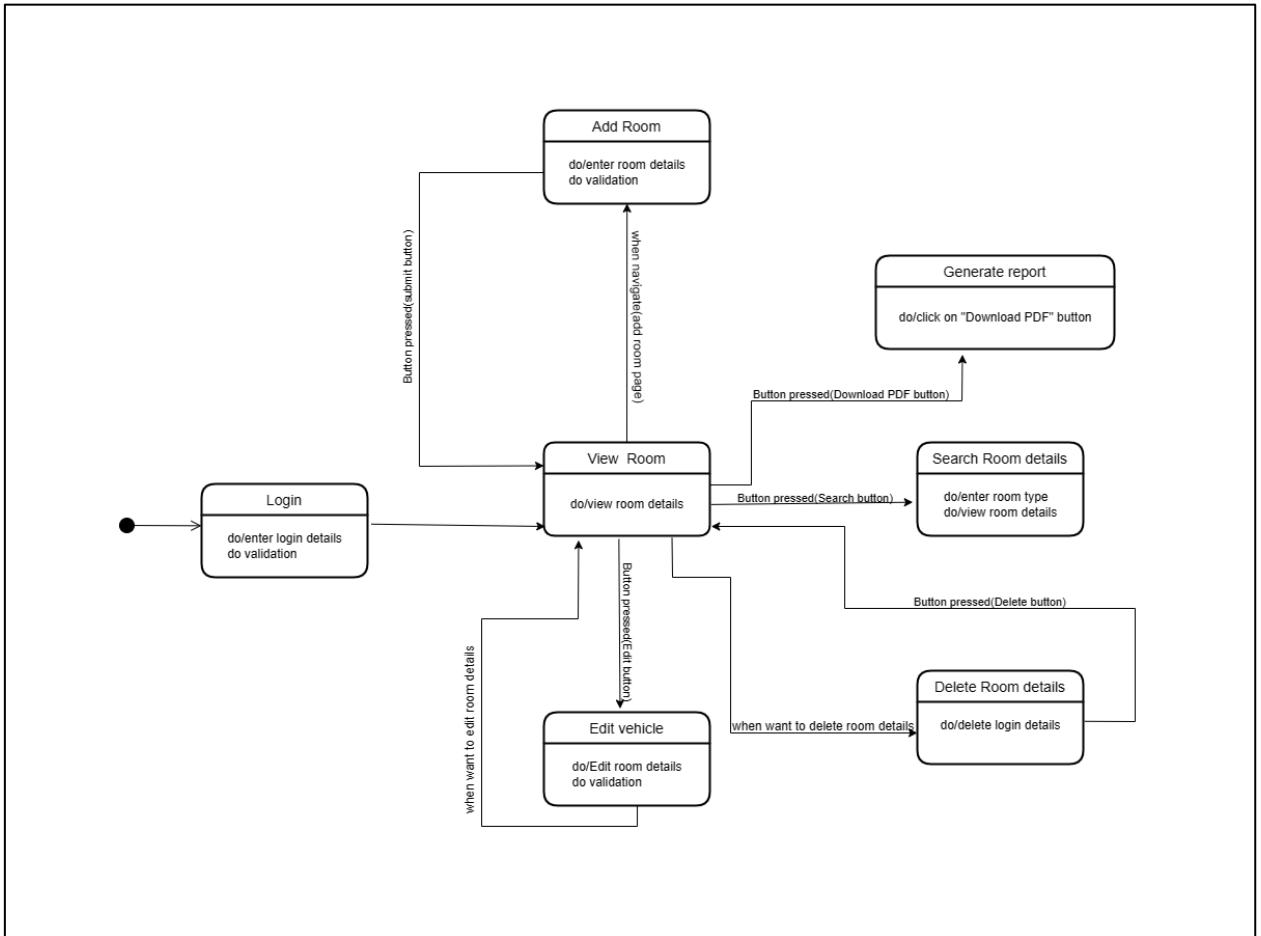


Figure 25 State chart diagram for Room Reservation Management System

State chart diagram for wedding and banquet hall Management System

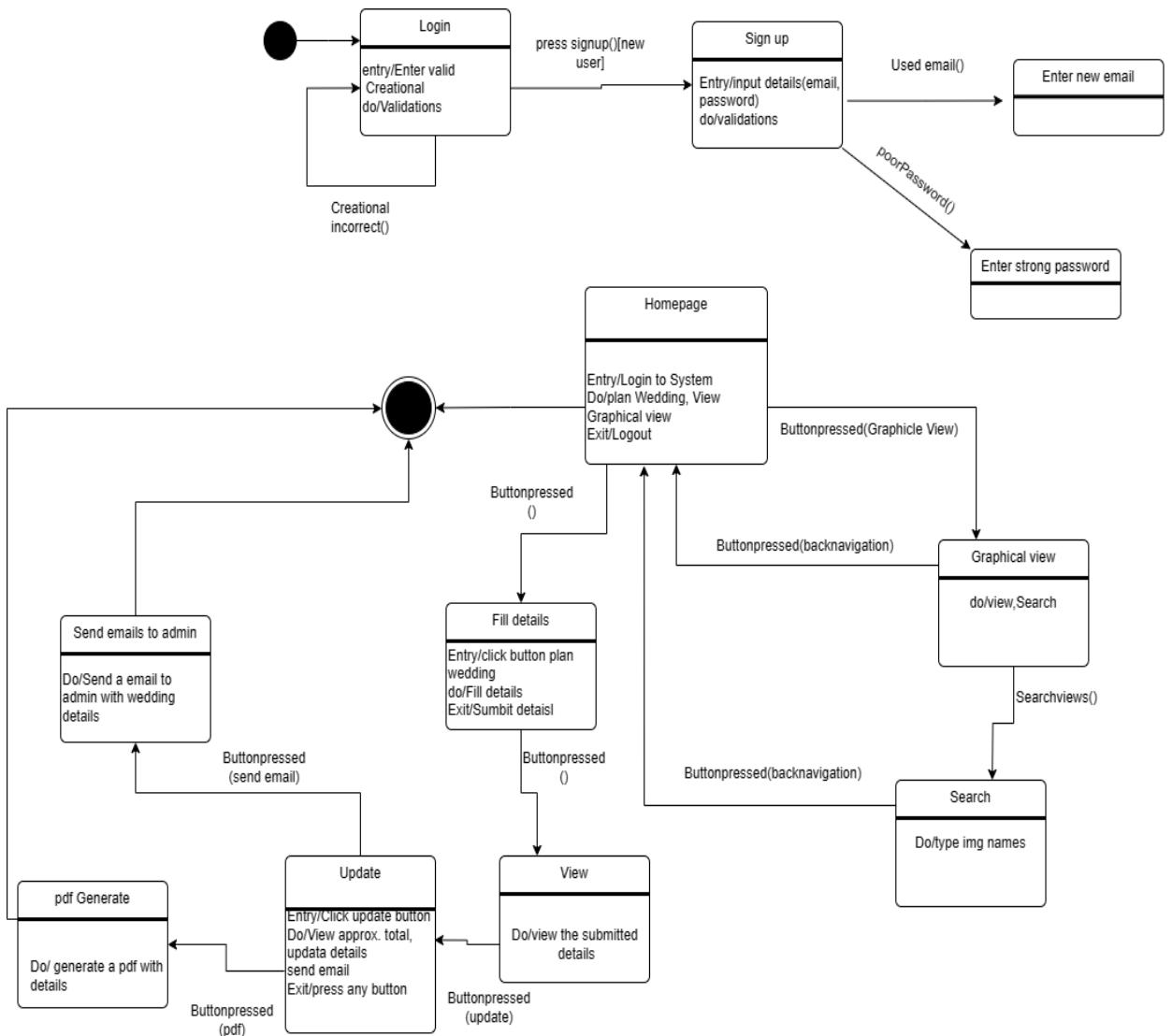
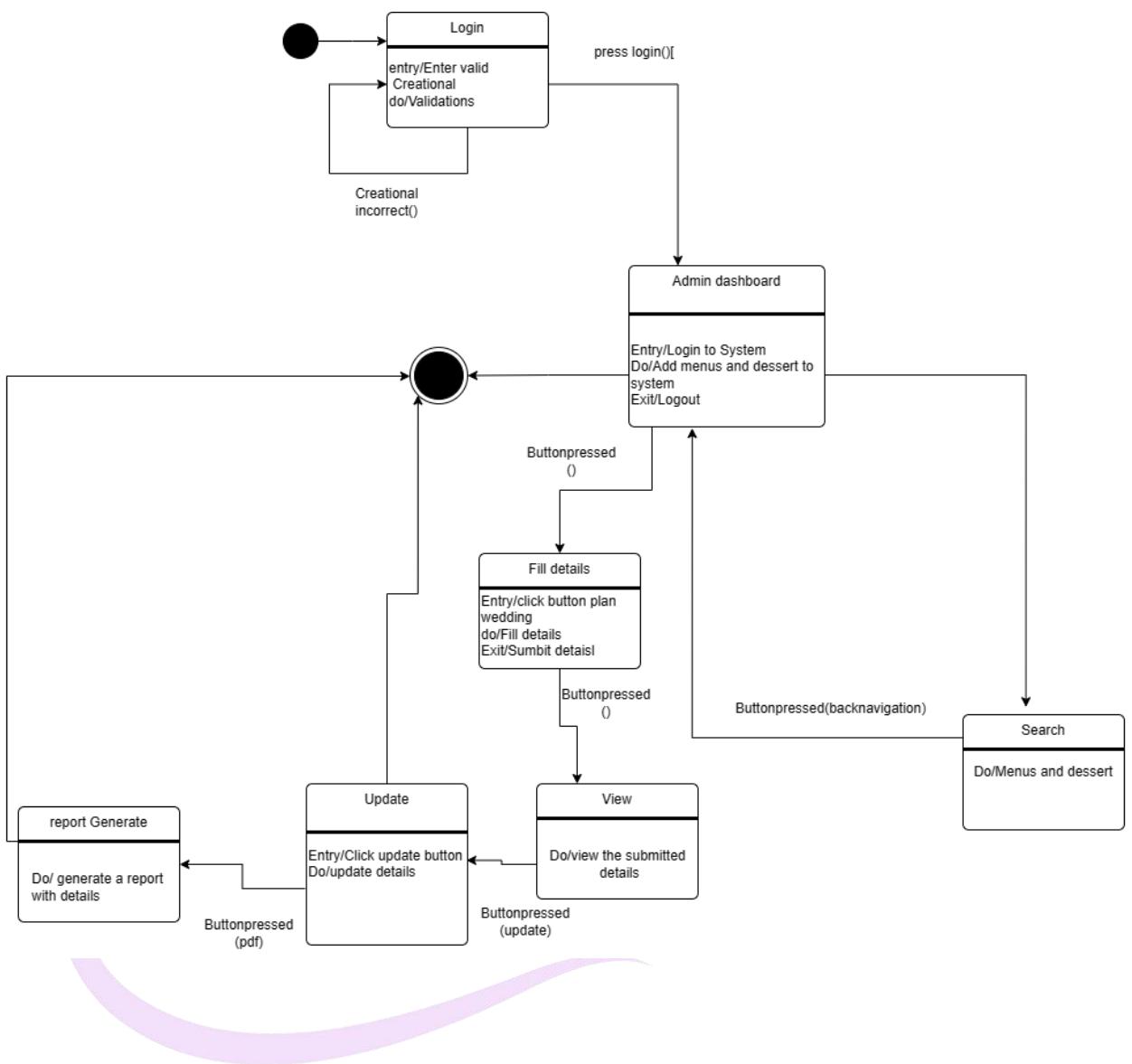


Figure 26 State chart diagram for wedding and banquet hall Management System



State chart diagram for Transport Management System

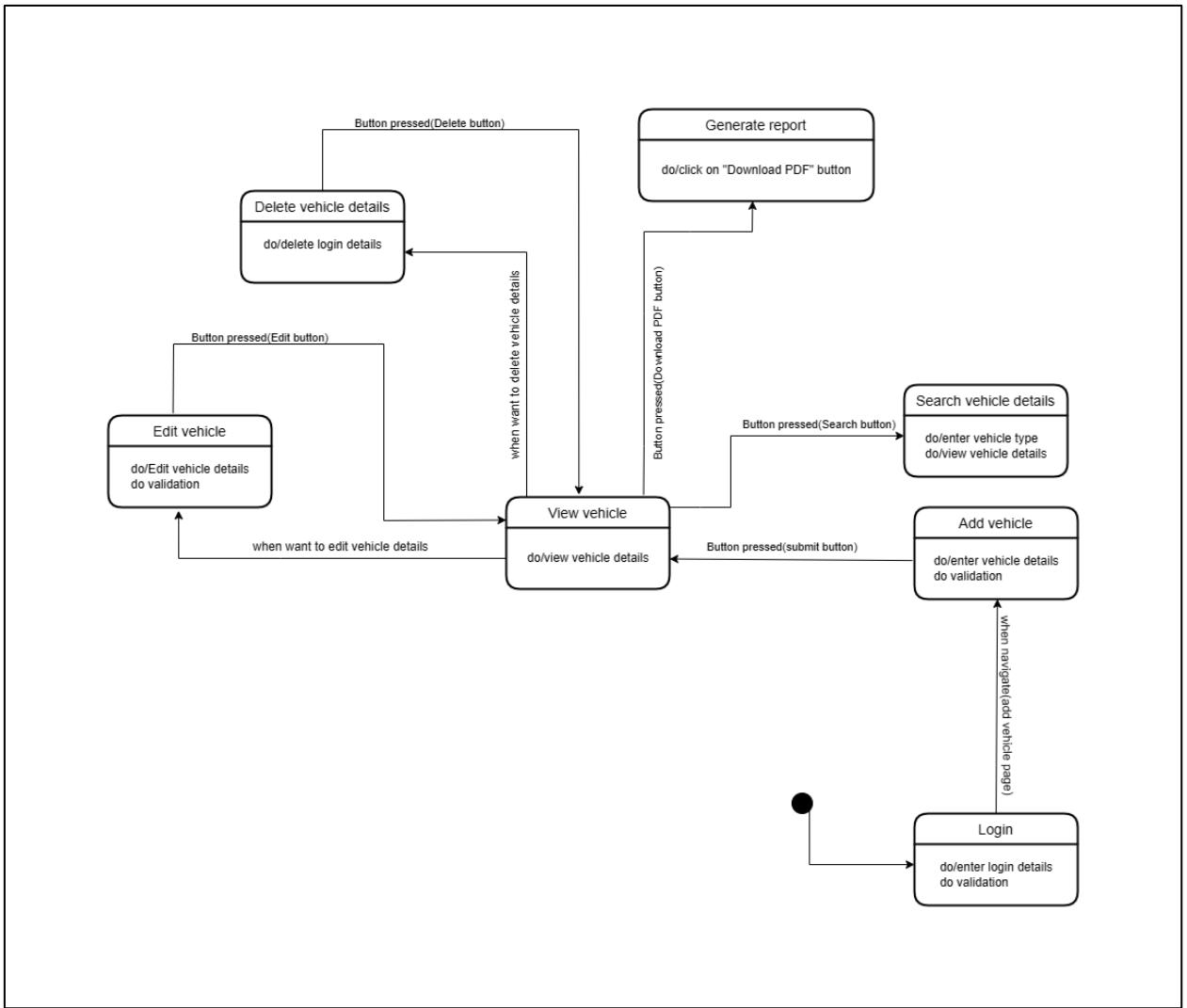


Figure 27 State chart diagram for Transport Management System

State chart diagram for Billing and Invoice Management System

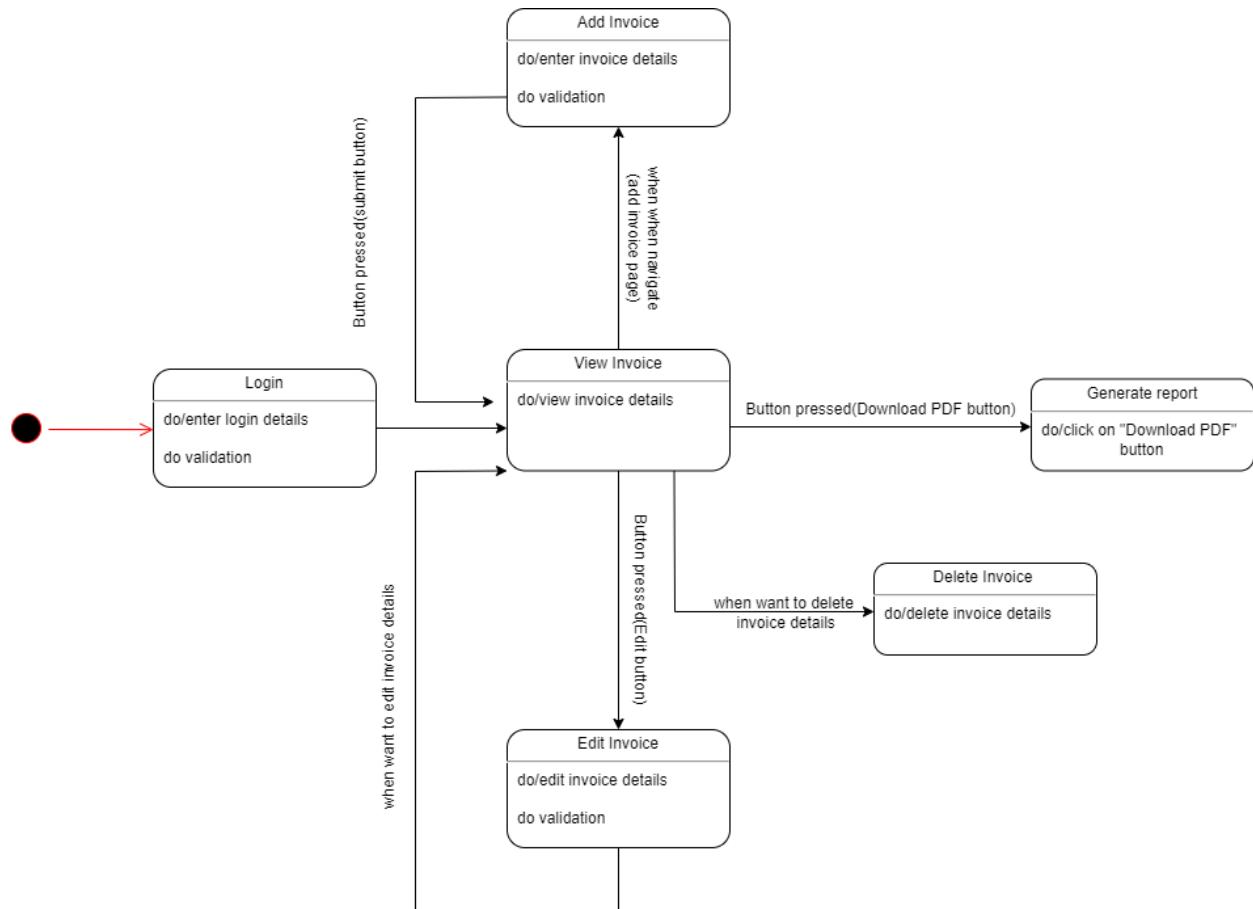
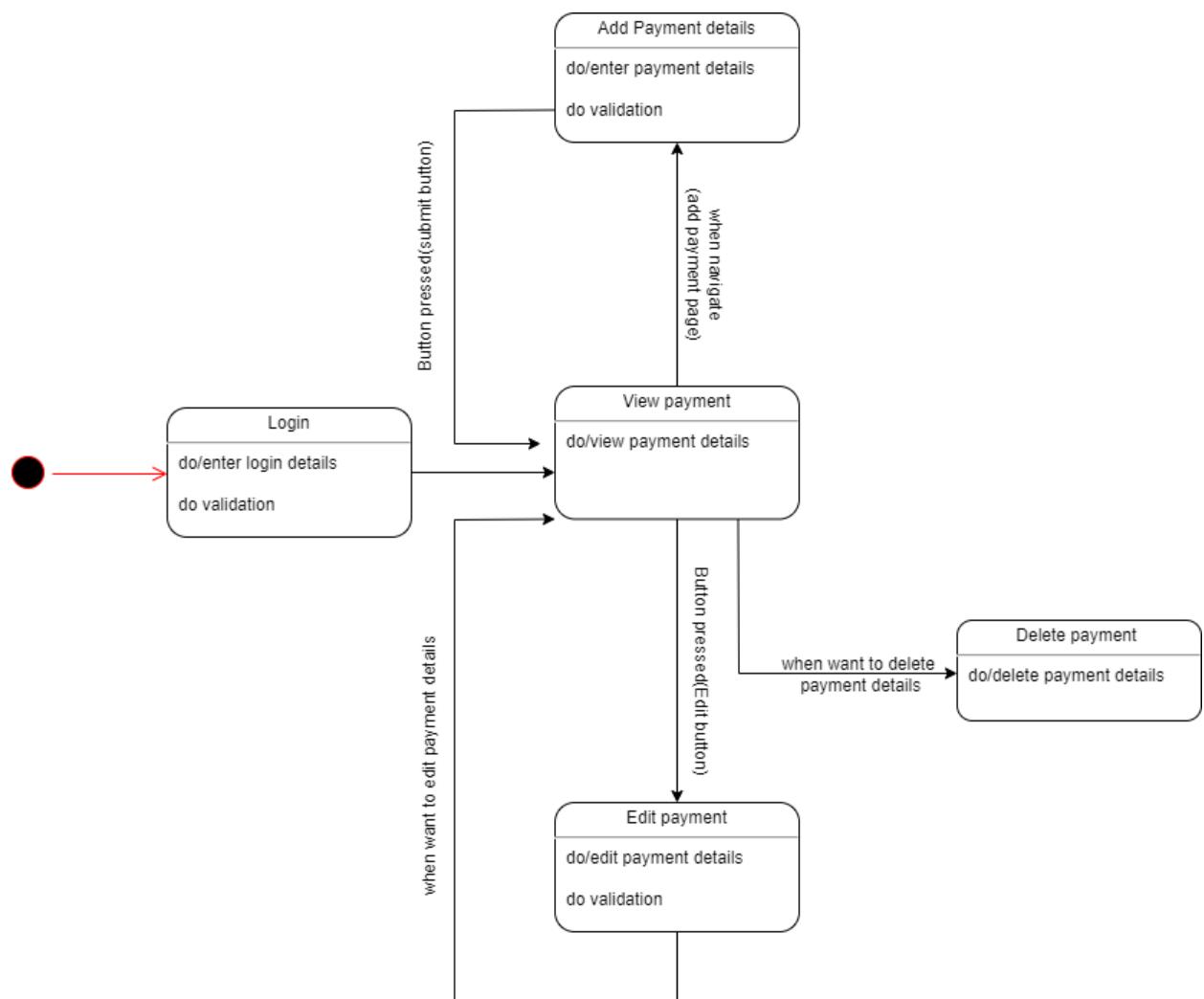


Figure 28 State chart diagram for Billing and Invoice Management System



State chart diagram for Supply And inventory Management system

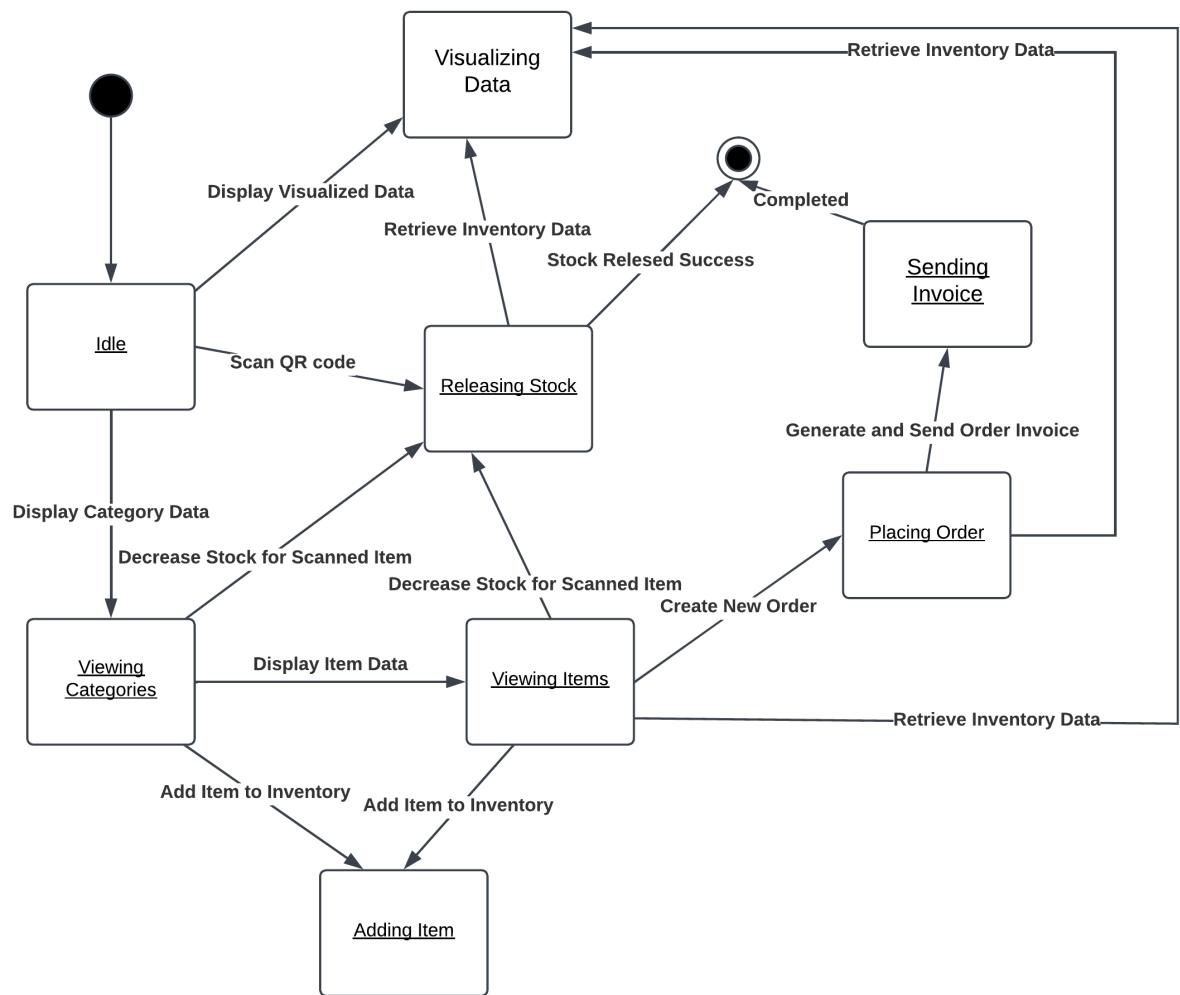


Figure 29 State chart diagram for Supply And inventory Management system

State chart diagram for Customer Relationship Management System

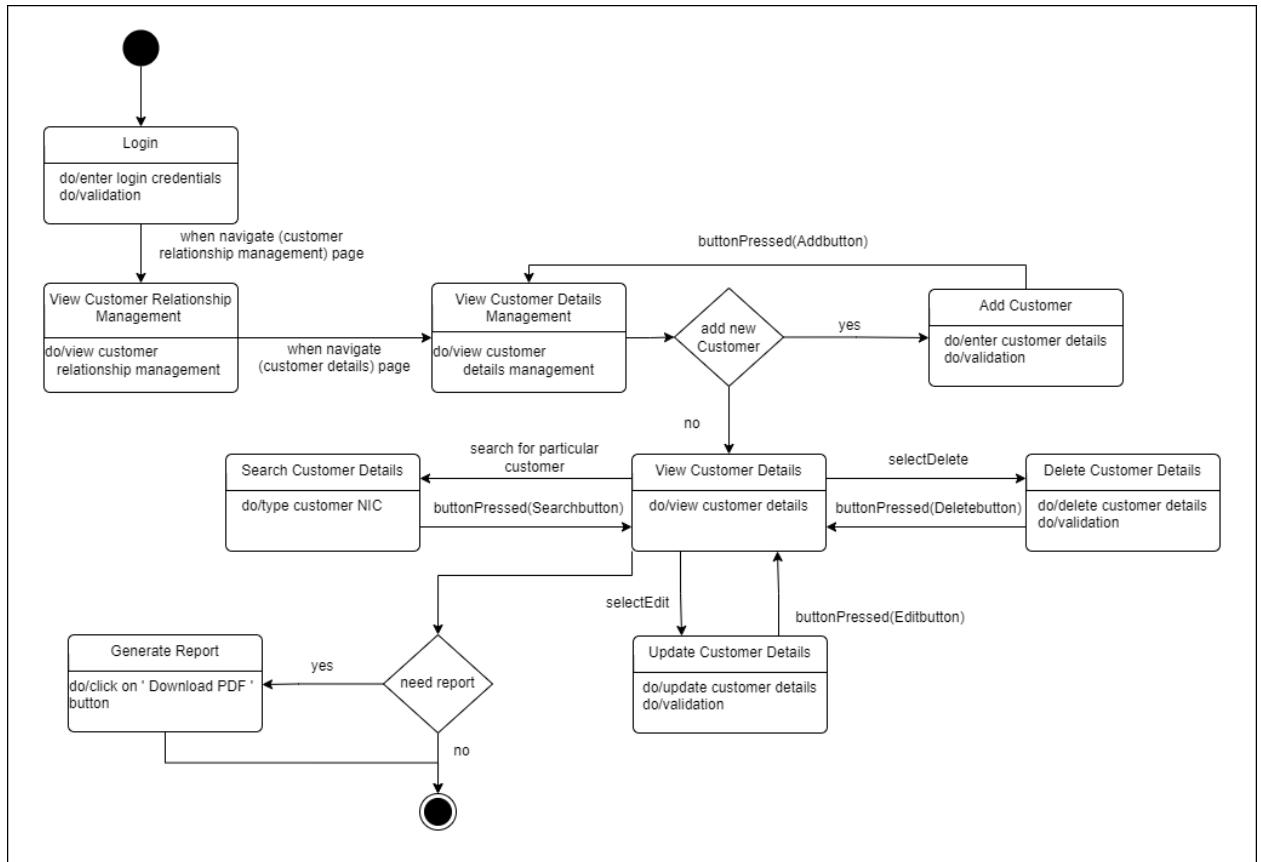
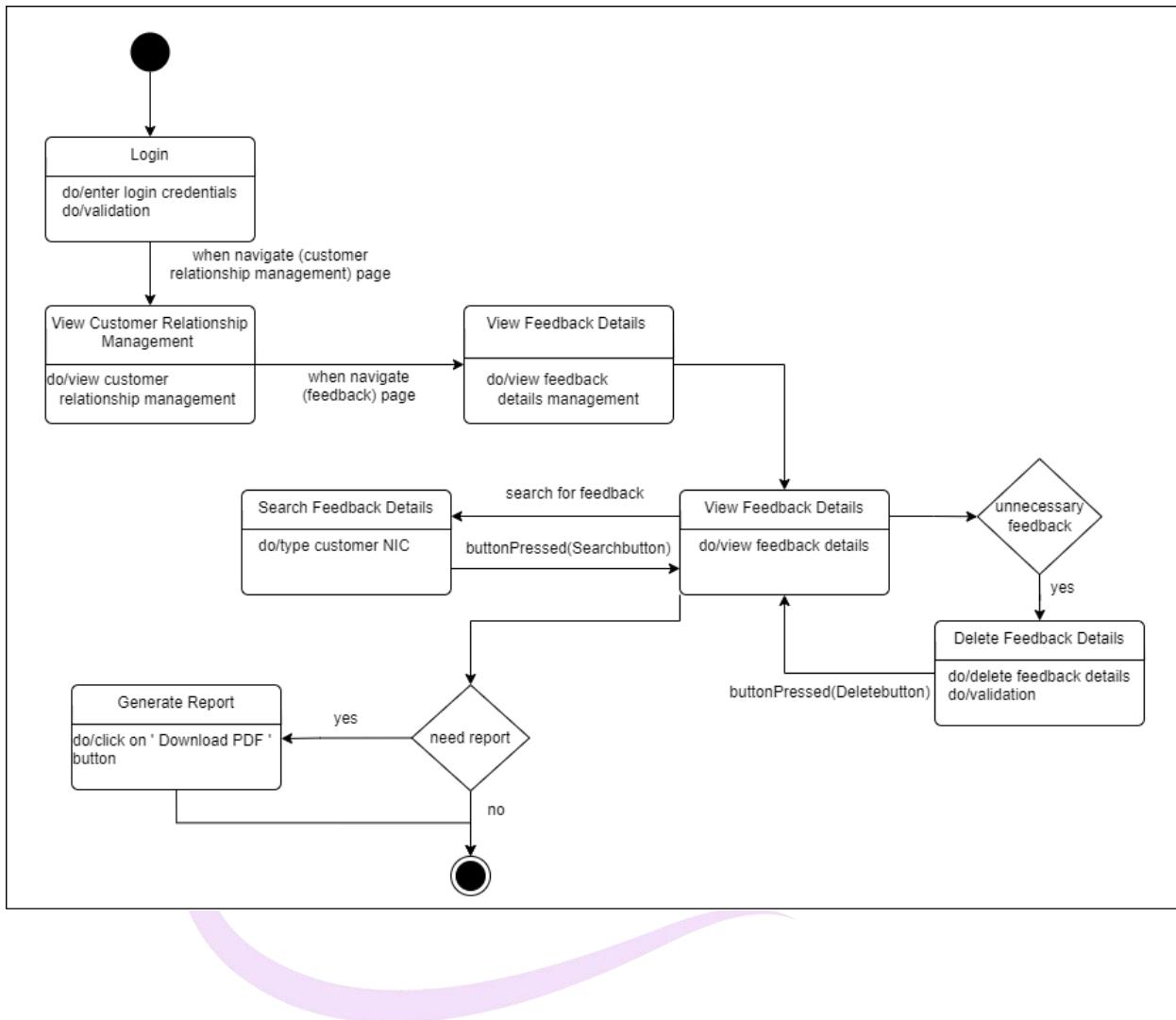
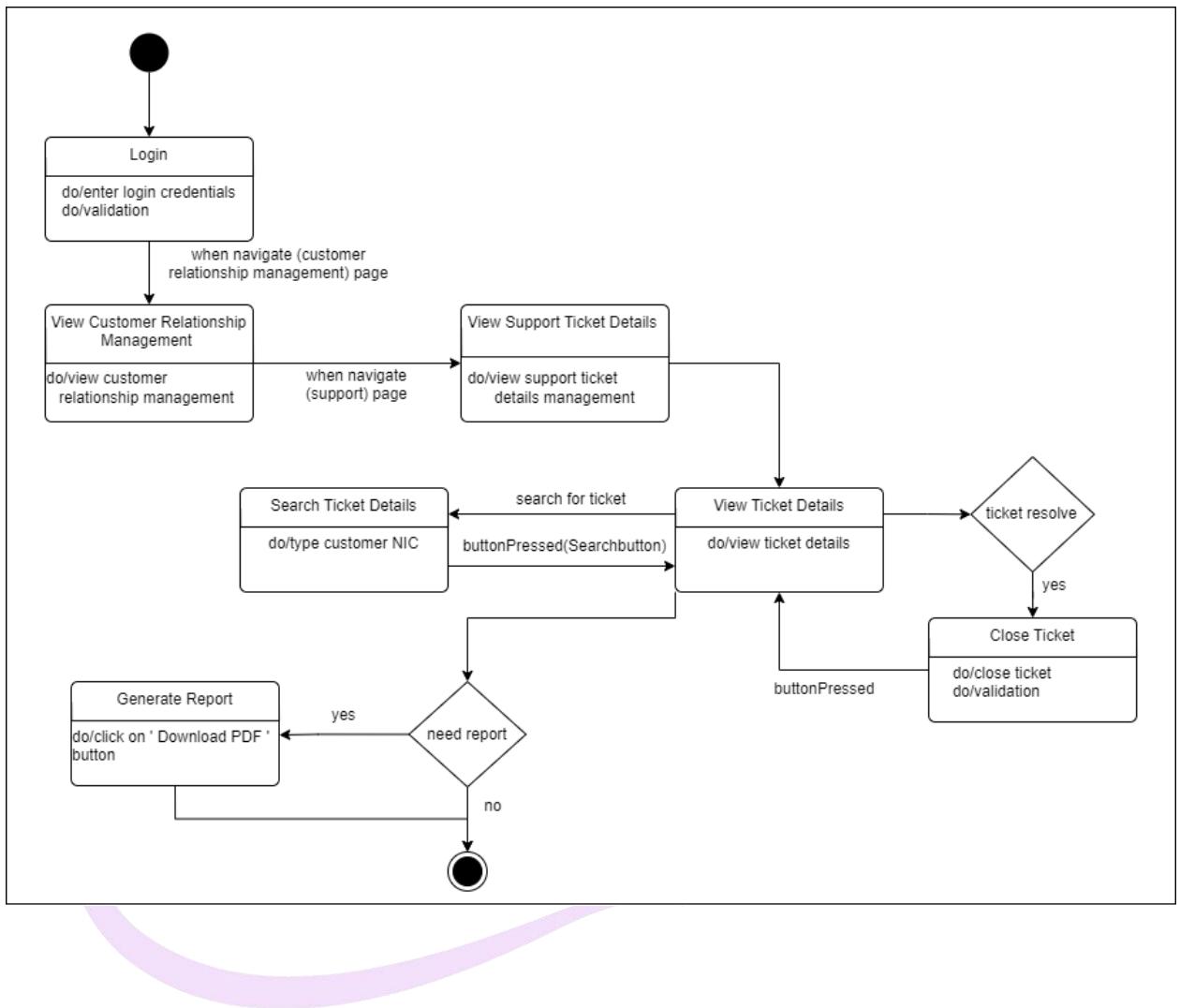


Figure 30 State chart diagram for Customer Relationship Management System





State chart diagram for Employee Management System

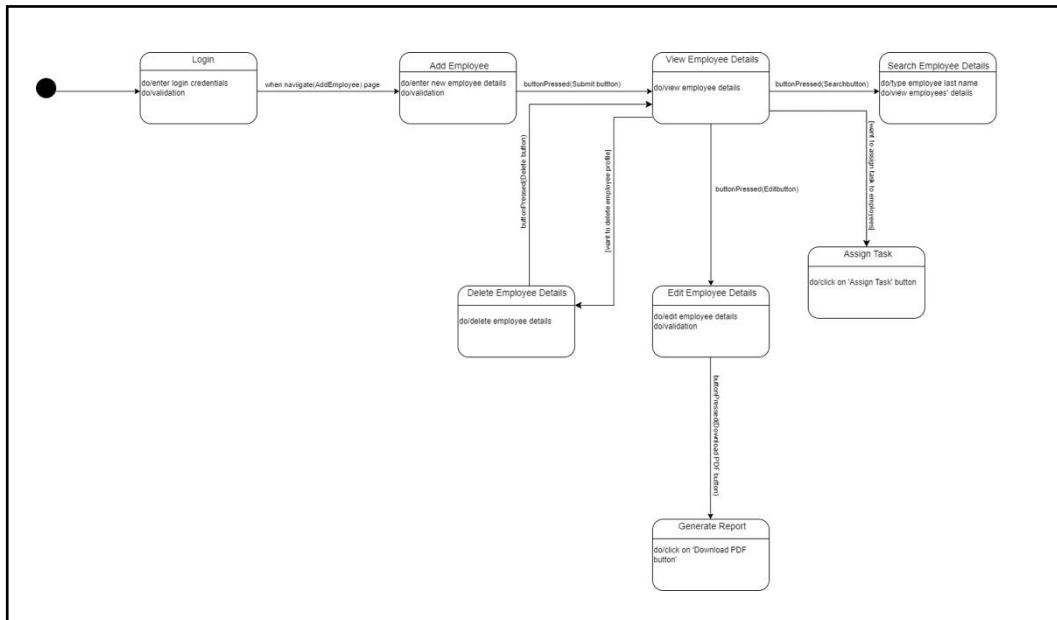


Figure 31 State chart diagram for Employee Management System

State chart diagram for Menu Management System

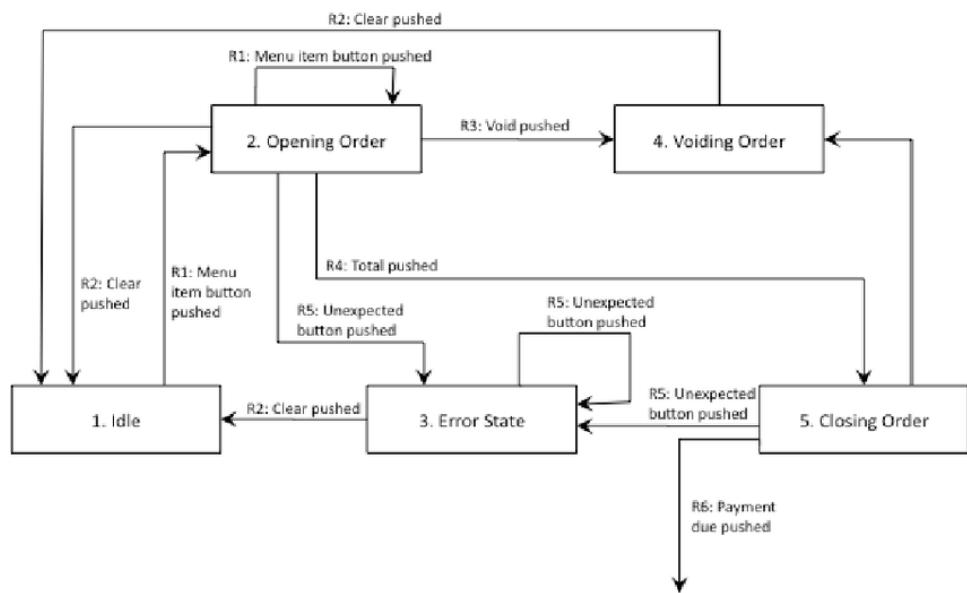
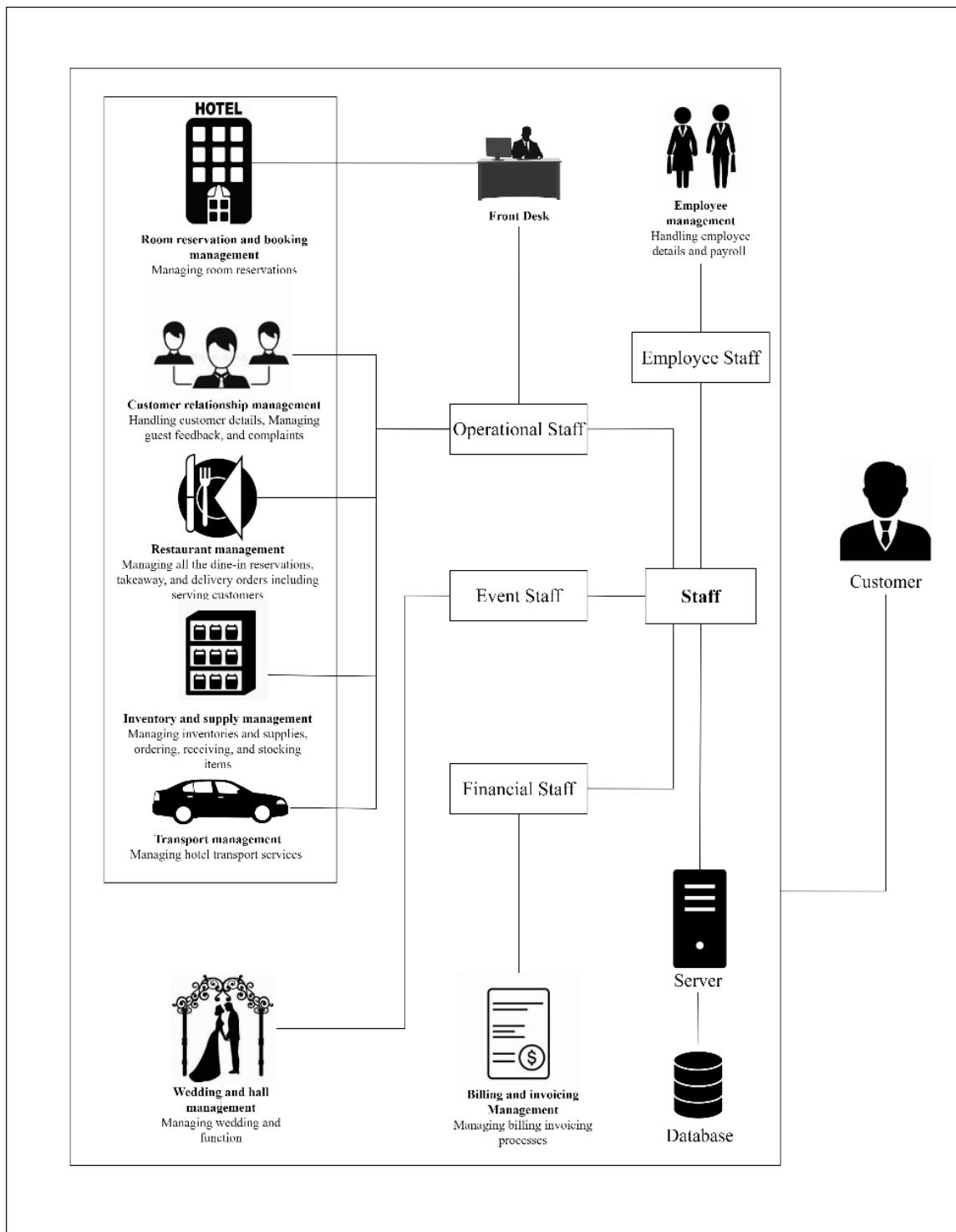
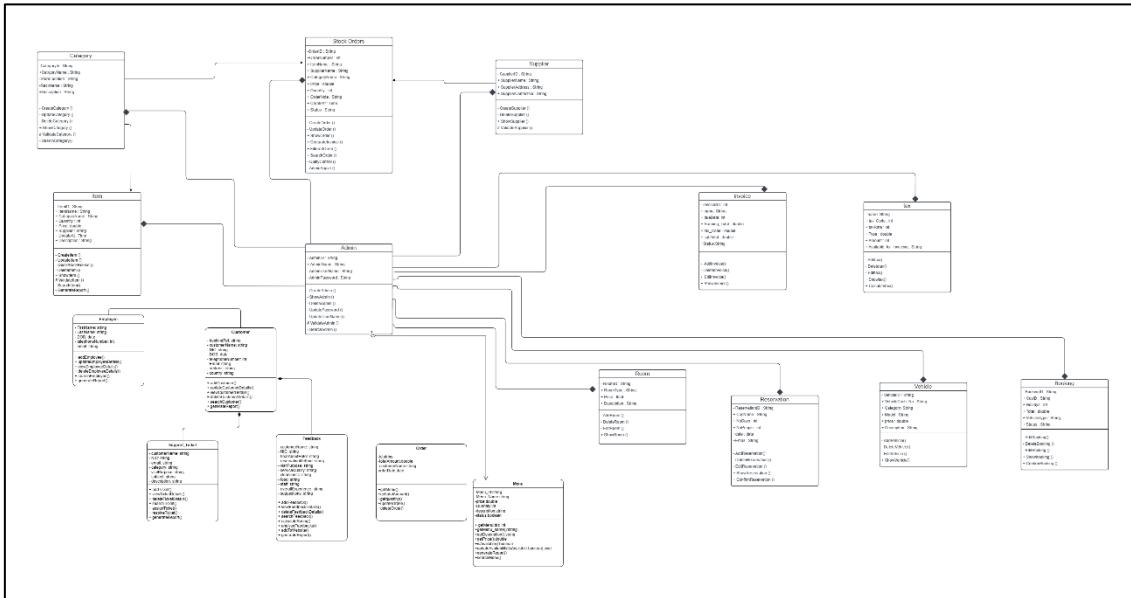


Figure 32 State chart diagram for Restaurant Management System

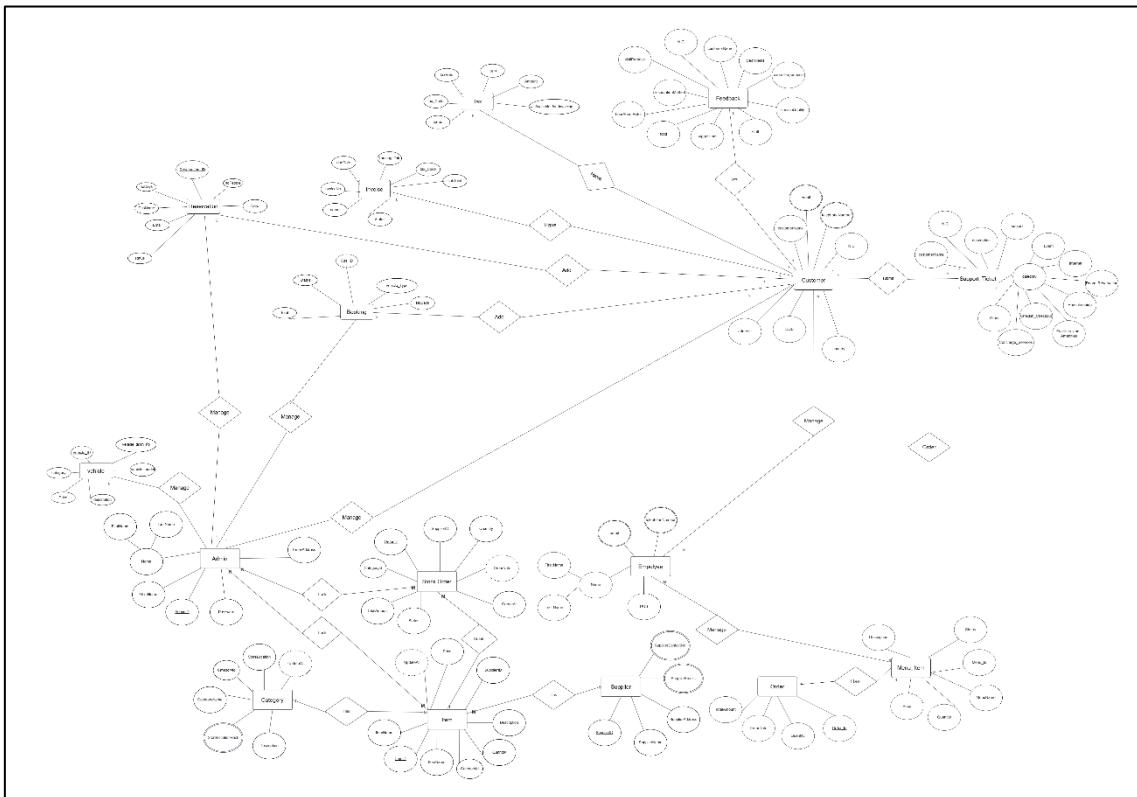
High – Level Architecture Diagram



Class Diagram



ER Diagram



User Interfaces

User Interfaces for Room Reservation and Booking Management System

Admin Side


Gayana Hotel
DashBoard

All Reservations

[Create New Reservation](#)

Search for Reservations..

#	Date	Customer Name	Email	No of people	Room Type	Days stay	Total	Status	Change
1	2023-05-22	Thamindu	navojithamidu@gmail.com	3	Deluxe Room	3	75000	Confirmed	Edit Delete confirm
2	2023-05-26	Nipuna	Nipuna@gmail.com	3	Standard Room	1	10000	Confirmed	Edit Delete confirm
3	2023-05-25	Ushan	Ushan@gmail.com	5	Suite	2	40000	Confirmed	Edit Delete confirm
4	2023-05-27	Kavindu	Kavindu@gmail.com	2	Family Room	3	90000	Confirmed	Edit Delete confirm


Gayana Hotel
DashBoard

[Download PDF](#)

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile

Add Reservation

Reservation Date:

Customer Name:

Email:

No of People:

Room Type:

No of days you stay:

Total Amount:

Submit

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile

Update Reservation

Reservation Date:

Customer Name:

Customer Name:

No of People:

Room Type:

No of days you stay:

Total Amount:

Submit

Gayana Hotel
DashBorad

- [Home](#)
- [reservation & booking](#)
- [Wedding & banquet hall](#)
- [Transport Management](#)
- [Billing & Invoice](#)
- [Inventory & Supply](#)
- [Customer Relationship](#)
- [Employee Management](#)
- [Profile](#)

[Logout](#)

Add Reservation

Reservation Date
 *

Please enter Reservation Date

Customer Name
 *

Please enter Customer name

Email
 *

Please enter Email

No of People
 *

Please enter no of people

Room Type
 *

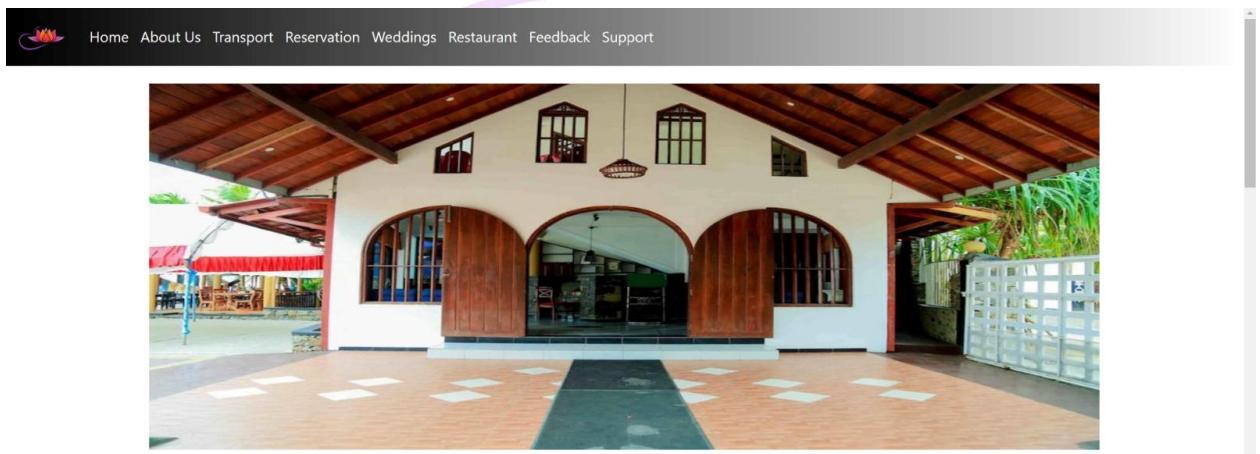
Please select a Room Type

No of days you stay
 *

Please enter Reservation Date

Total Amount

Client Side



Efficient and Comfortable Hotel Transport Services for a Hassle-free Stay

showcases the hotel's commitment to providing top-notch transportation services. With a focus on efficiency and comfort, guests can expect a seamless and enjoyable experience during their stay. Whether it's airport transfers, shuttle services to local attractions, or transportation arrangements for group events, the hotel's transport management system aims to

Efficient and Comfortable Hotel Transport Services for a Hassle-free Stay

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Rooms we have



Standard Room

The standard room is a basic accommodation option offered by hotels. It usually includes a comfortable bed, a private bathroom, and essential amenities. Standard rooms are suitable for solo travelers or couples looking for a comfortable and affordable stay.



Deluxe

The deluxe room is a step up from the standard room, offering additional space and enhanced amenities. It often includes a larger bed, a seating area, a work desk, and more luxurious furnishings. Deluxe rooms are ideal for guests seeking a more spacious and comfortable stay.

affordable stay.

spacious and comfortable stay.



Suite

A suite is a larger and more luxurious accommodation option. It typically comprises a separate bedroom and living area, providing ample space for relaxation and entertainment. Suites often feature upscale amenities such as a kitchenette or full kitchen, a dining area, and sometimes even a private balcony or terrace.



Family Room

Our Family Hotel Room offers ample space to accommodate the whole family. With multiple beds, including double beds, twin beds, or bunk beds, everyone can sleep comfortably. We also provide additional sleeping options such as sofa beds or rollaway beds, ensuring that there's enough room for everyone to rest and relax.



[Home](#) [About Us](#) [Transport](#) [Reservation](#) [Weddings](#) [Restaurant](#) [Feedback](#) [Support](#)

Add Reservation

Reservation Date

Customer Name

Email

No of People

Room Type

No of days you stay

Total Amount

Total Amount

footer content

Experience luxury and comfort at our hotel management system. We strive to provide exceptional hospitality services, ensuring a memorable stay for our guests. With our state-of-the-art facilities and dedicated staff, we guarantee an unparalleled experience.

links

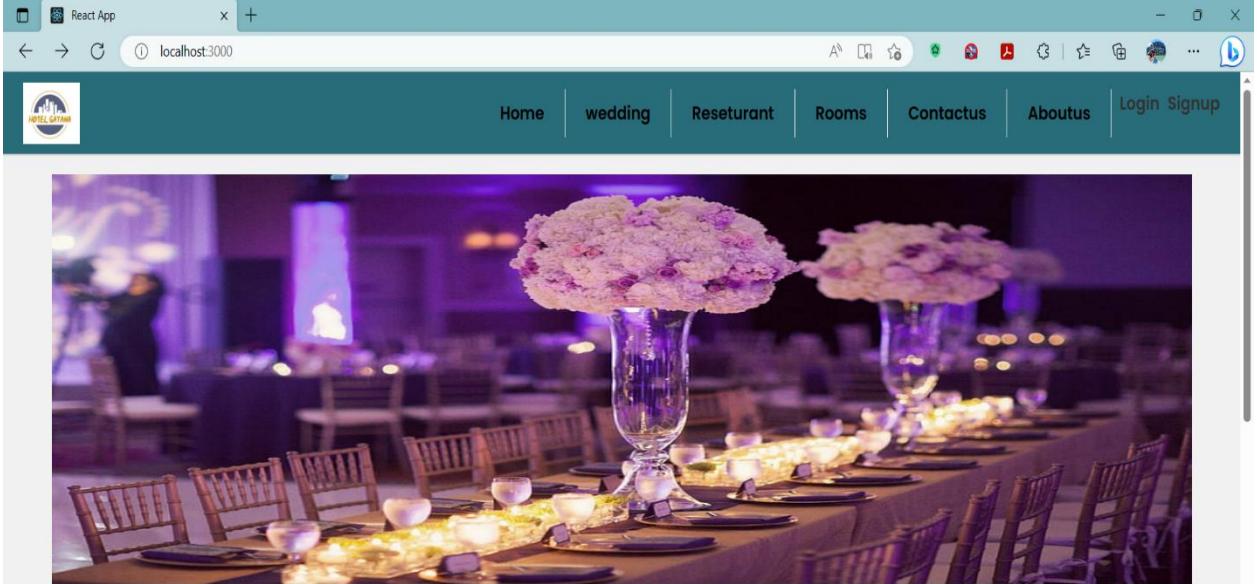
[Home](#)
[About Us](#)
[Rooms](#)
[Transport](#)

opening hours

Mon - Fri:	8am - 9pm
Sat - Sun:	8am - 1am

User Interfaces for Wedding and Banquet hall Management System

Client



Celebrate life's special moments with elegance and style

Celebrating a wedding with elegance and style means creating a magical and unforgettable experience for the bride, groom, and guests. It involves paying attention to every detail, from the choice of venue, to the decor, the food, and the music. The goal is to create an atmosphere of romance, beauty, and celebration that reflects the unique love story of the couple. This might involve choosing a venue with stunning natural surroundings or architectural features, selecting a color palette and floral arrangements that reflect the couple's taste and style, serving gourmet cuisine that is both delicious and visually appealing, and providing entertainment that sets the tone for a night of dancing and joy.



Wedding planning

The tearful smiles of the walk down the aisle. The first kiss as a couple. The celebrations that follow. Your wedding is a chance to craft moments that will last you a lifetime

[MORE](#)



Banquet halls by Hotel gayana (graphical view)

The tearful smiles of the walk down the aisle. The first kiss as a couple. The celebrations that follow. Your wedding is a chance to craft moments that will last you a lifetime

[MORE](#)



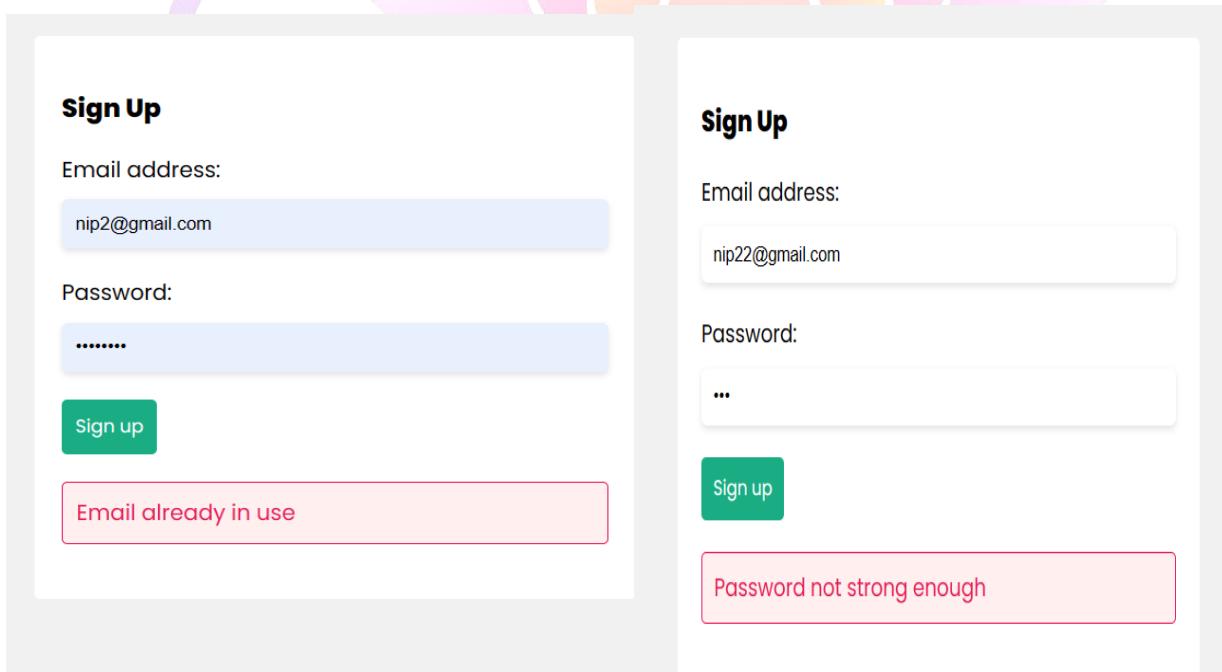
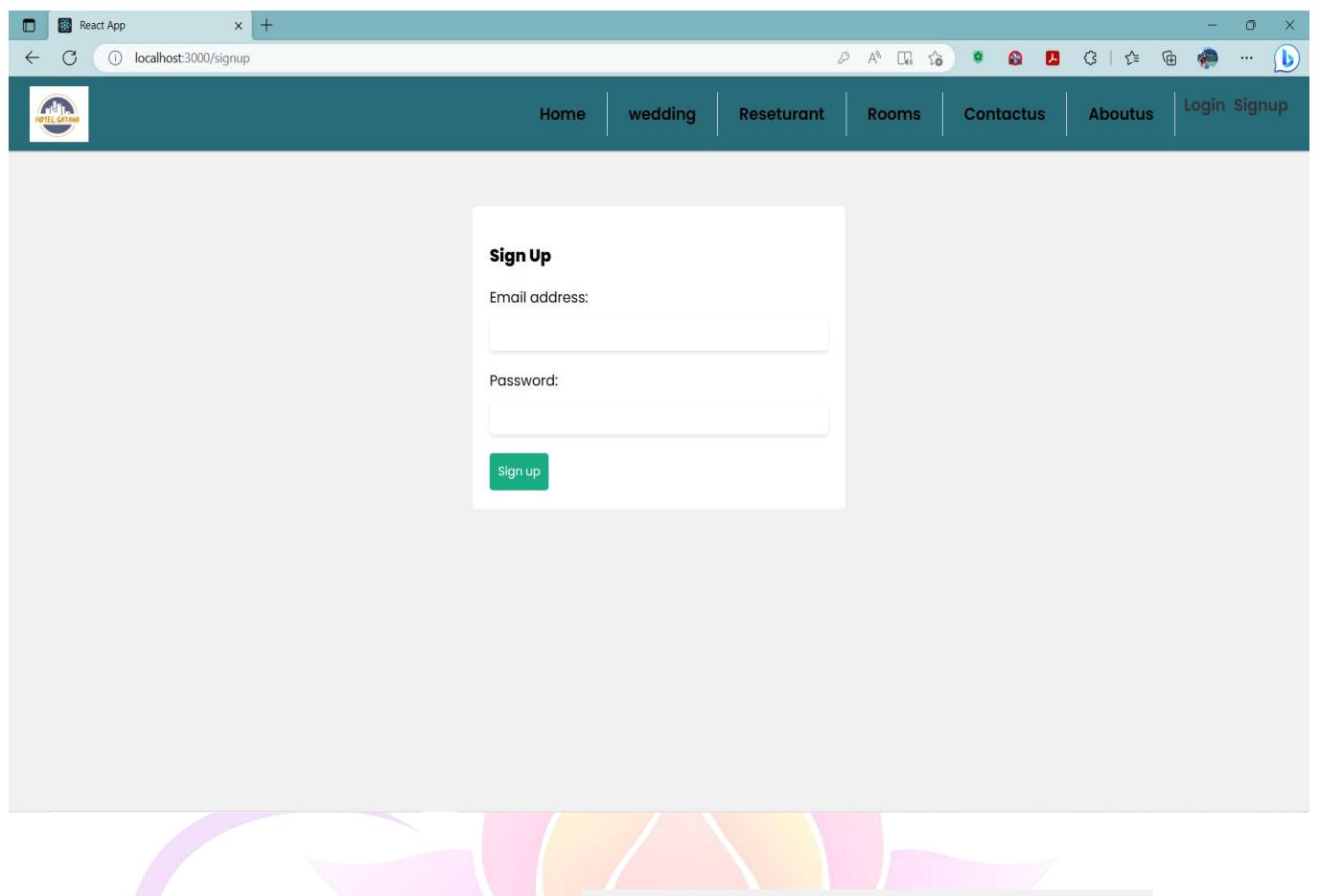
Request any proposal

We provide fabulous event planning, helping you to fulfil your aspirational dream. Our highly professional concierge will have the honour to serve you after you completed the information.

[MORE](#)

WEDDING Inspirations





Log In

Email address:

Password:

Log in

Incorrect email

Log In

Email address:

Password:

Log in

Incorrect password

React App x +

localhost:3000

Home | wedding | Reseture

Aboutus | hesh1@gmail.com Log out

Saved password automatically

Microsoft Edge will save this password to your Microsoft account

hesh1@gmail.com Edit

Celebrate life's special moments with elegance and style

Celebrating a wedding with elegance and style means creating a magical and unforgettable experience for the bride, groom, and guests. It involves paying attention to every detail, from the choice of venue, to the decor, the food, and the music. The goal is to create an atmosphere of romance, beauty, and celebration that reflects the unique love story of the couple. This might involve choosing a venue with stunning natural surroundings or architectural features, selecting a color palette and floral arrangements that reflect the couple's taste and style, serving gourmet cuisine that is both delicious and visually appealing, and providing entertainment that sets the tone for a night of dancing and joy.

Wedding planning

React App localhost:3000

Home | wedding | Reseturant | Rooms | Contactus | Aboutus | hesh1@gmail.com | Log out



Celebrate life's special moments with elegance and style

Celebrating a wedding with elegance and style means creating a magical and unforgettable experience for the bride, groom, and guests. It involves paying attention to every detail, from the choice of venue, to the decor, the food, and the music. The goal is to create an atmosphere of romance, beauty, and celebration that reflects the unique love story of the couple. This might involve choosing a venue with stunning natural surroundings or architectural features, selecting a color palette and floral arrangements that reflect the couple's taste and style, serving gourmet cuisine that is both delicious and visually appealing, and providing entertainment that sets the tone for a night of dancing and joy.



Wedding planning

The tearful smiles of the walk down the aisle. The first kiss as a couple. The celebrations that follow. Your wedding is a chance to craft moments that will last you a lifetime

[MORE](#)



Banquet halls by Hotel gayana (graphical view)

The tearful smiles of the walk down the aisle. The first kiss as a couple. The celebrations that follow. Your wedding is a chance to craft moments that will last you a lifetime

[MORE](#)



Request any proposal

We provide fabulous event planning, helping you to fulfil your aspirational dream. Our highly professional concierge will have the honour to serve you after you completed the information.

[MORE](#)

WEDDING Inspirations





React App x +

localhost:3000/graphicalview

Home | wedding | Reseturant | Rooms | Contactus | Aboutus | hesh1@gmail.com | Log out

Our Banquet hall looks elegant "For every ceremony".....

Search...

Guest Table

Head Table

Head Table2

React App x +

localhost:3000/graphicalview

Home | wedding | Reseturant | Rooms | Contactus | Aboutus | hesh1@gmail.com | Log out

Our Banquet hall looks elegant "For every ceremony".....

front

Front view1

Front view2

Front view3

React App x +

localhost:3000/WorkoutForm

Search:

Search for anything



Plan Your dream Wedding here!

Available Date:

0

Couple names:

Guest count here:

! Please fill out this field.

0

React App x +

localhost:3000/WorkoutForm

 Home wedding Reseturant Rooms Contactus Aboutus hesh1@gmail.com Log out



Plan Your dream Wedding here!

Available Date:

05/24/2023

Wed May 24 2023 00:00:00 GMT+0530 (India Standard Time)

Couple names:

Fernando and silva

Guest count here:

99

The screenshot shows a wedding details page. At the top, there is a navigation bar with links for Home, wedding, Restaurant, Rooms, Contactus, Aboutus, and a user account section. The user account section shows the email 'hesh1@gmail.com' and a 'Log out' button. The main content area displays the couple's name, 'Fernando and silva'. Below the name, there is a list of event details: Guest count here - 99, Menu Type - Menu 1, Desert Type - Dessert 2, Seat Arrangements - NO, Date - 2023-05-23T18:30:00.000Z in 3 days, and Added date - less than a minute ago. A note at the bottom of the list says 'click update details to download reports and send email to event planner'. There are two buttons at the bottom right: a yellow 'Update Details' button and a red 'Delete' button. A decorative graphic of overlapping pink and yellow shapes is visible at the bottom of the page.

The screenshot shows an 'Update Wedding details here' page. The page has a form with the following fields: Couple Name (input: Fernando and silva), Guest count (input: 99), Menu (input: Menu 1), Dessert (input: Dessert 2), and Seating (input: NO). Below the form is a button labeled 'Update Your details Here!'. A note above the button says 'Appromax Total Price for Menu and Dessert(*This can be change!):'. The input field for this note contains the value '692802'. At the bottom of the page, there is a summary section with the couple's name, 'Fernando and silva', and a note: 'Guest count:99' and 'Menu: Menu 1'.

Couple Name :
Fernando and silva

Guest count:
150

Menu:
Menu 2

Dessert:
Dessert 1

Seating:
no

[Update Your details Here!](#)

Appromax Total Price for Menu and Dessert(*This can be change!):
1049700

Fernando and silva

Guest count:150
Menu: Menu 2
Dessert: Dessert 1
Seating: no
Date: 2023-05-23T18:30:00.000Z
Appromax Total: RS. 1049700

Fernando and silva

Guest count:150
Menu: Menu 2
Dessert: Dessert 1
Seating: no
Date: 2023-05-23T18:30:00.000Z
Appromax Total: RS. 1049700

[Download PDF](#)

[Send Email to admin](#)

React App Gayán hotel wedding details. - n +

https://mail.google.com/mail/u/2/#inbox/EMfcgzGsmhXqszWRNsZnvmZhsgHjkmhM

Gmail Search mail

Compose

Inbox 1,573

Starred

Snoozed

Sent

Drafts 9

More

Labels +

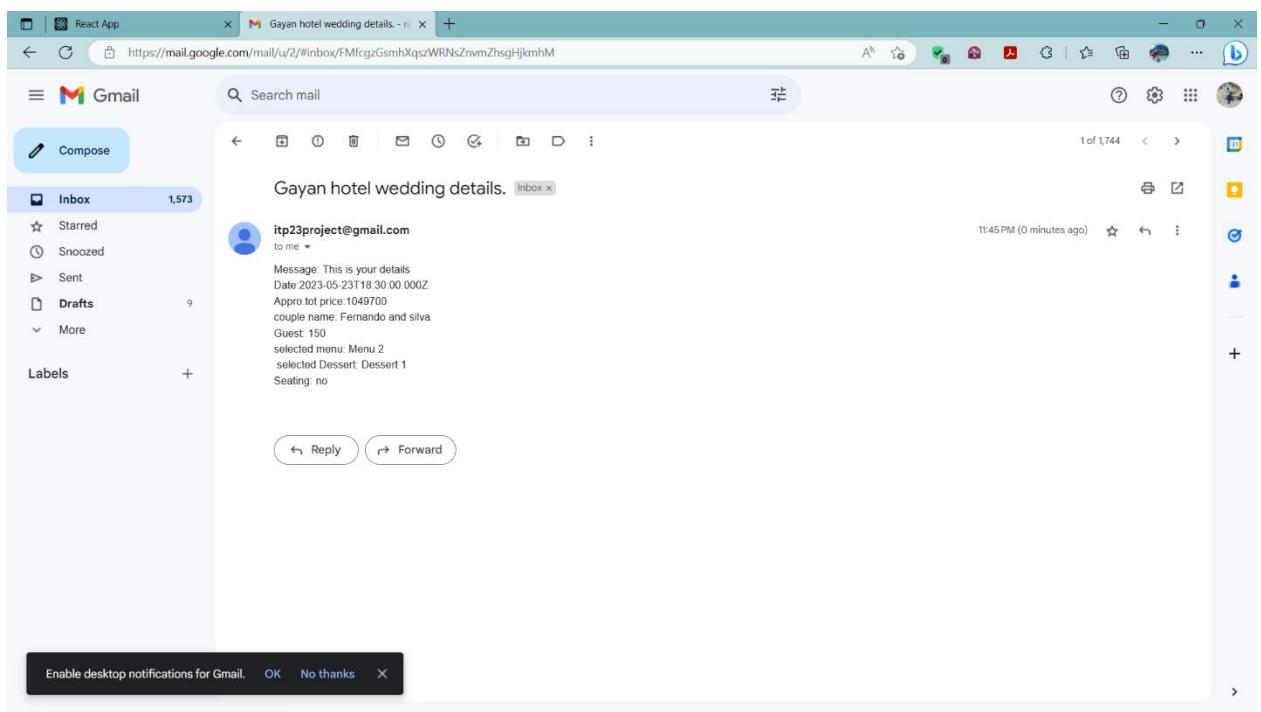
Gayán hotel wedding details. Inbox x

itp23project@gmail.com to me

Message: This is your details
Date 2023-05-23T18:30:00.000Z
Appromax price: 1049700
couple name: Fernando and silva
Guest: 150
selected menu: Menu 2
selected Dessert: Dessert 1
Seating: no

Reply Forward

Enable desktop notifications for Gmail. OK No thanks



React App wedding-details (66).pdf Gayán hotel wedding details. - n +

File | C:/Users/nipun/Downloads/wedding-details%20(66).pdf

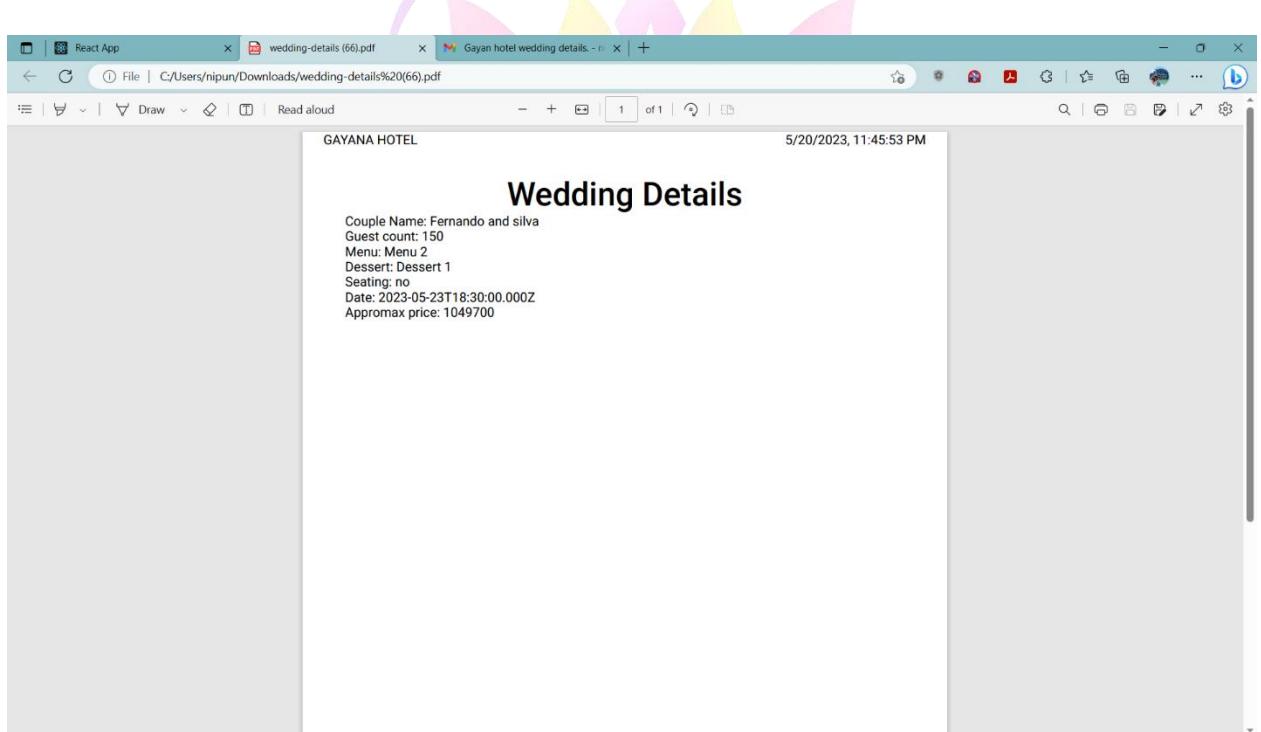
Draw Read aloud

1 of 1

GAYANA HOTEL 5/20/2023, 11:45:53 PM

Wedding Details

Couple Name: Fernando and silva
Guest count: 150
Menu: Menu 2
Dessert: Dessert 1
Seating: no
Date: 2023-05-23T18:30:00.000Z
Appromax price: 1049700



Fernando and silva

Guest count here - 150
 Menu Type - Menu 2
 Desert Type - Dessert 1
 Seat Arrangements - no
 Date - 2023-05-23T18:30:00.000Z in 3 days
 Added date - 7 minutes ago
Note -
 click update details to download reports and send email to event planner

[Update Details](#) [Delete](#)

Admin

All Menus Here!

[Add New menu and Desserts](#)

Search Menus and Desserts..

#	Menu No	Category	Price	Menu Description	Actions
1	Menu 1	1	4999	@Mango @Chicken Sweetcorn @Steamed Rice @Wok Fried Egg And Vegetable Fried Rice @Southern Fish Ambulthiya @Northern Chicken Curry @Pork Red Pepper Curry Or Pork Black Pepper Curry @Tempered Red Dhal Curry @Fried Mixed Vegetable With Cashew Curry @Potato Mustard Curry Or Tempered @Mango Chutney	Edit Delete
2	Dessert 1	2	999	@Dark And White Chocolate Mousse @ Flavored Swiss Roll With Strawberry Coulis @ Triple Layer Fruit Mousse @Paris Sweet Pastries @ Fresh Fruit Salad In Orange Syrup	Edit Delete

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React App (11) MERN Authentication MERN-Auth-Tutorial/useLo SyntaxError in Model Code Gayan hotel wedding detail React App

localhost:3000/menu/add

Gayana Hotel DashBorad

- Home
- Room reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile
- Logout

Add a New menu

Menu

Enter menu

Please enter the menu

Menu Category

Enter category

Please enter the category

Price (Rs.)

Rs. Enter price

Please enter the price

Enter menu NO.

Enter menu number

Please enter the menu number

Description

Enter description

Please enter the description

React App (11) MERN Authentication MERN-Auth-Tutorial/useLo SyntaxError in Model Code Gayan hotel wedding detail React App

localhost:3000/menu/add

Gayana Hotel DashBorad

- Home
- Room reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile
- Logout

localhost:3000 says

New menu added

Add a Ne

OK

Menu

Menu2

Menu Category

Menu

Price (Rs.)

Rs. 5999

Enter menu NO.

3

Description

Black Current or Soursop
Chicken Sweetcorn
Steamed Rice

Submit

React App | (11) MERN Authentication | MERN-Auth-Tutorial/useLo... | SyntaxError in Model Code | Gayan hotel wedding detail | React App

localhost:3000/menu/

Gayana Hotel DashBorad

- Home
- Room reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile
- Logout

Add New menu and Desserts

Search Menus and Desserts...

#	Menu	Menu No	Category	Price	Menu Description	Actions
1	Menu 1	1	Menu	4999	®Mango ®Chicken Sweetcorn ®Steamed Rice ®Wok Fried Egg And Vegetable Fried Rice ®Southern Fish Ambulhiya ®Northern Chicken Curry ®Pork Red Pepper Curry Or Pork Black Pepper Curry ®Tempered Red Dhal Curry ®Fried Mixed Vegetable With Cashew Curry ®Potato Mustard Curry Or Tempered ®Mango Chutney	Edit Delete
2	Dessert 1	2	Dessert	999	®Dark And White Chocolate Mousse ® Flavored Swiss Roll With Strawberry Coulis ® Triple Layer Fruit Mousse ®Paris Sweet Pastries ® Fresh Fruit Salad In Orange Syrup	Edit Delete
3	Menu2	3	Menu	5999	® Black Current or Soursop ® Chicken Sweetcorn ® Steamed Rice ® Garlic Hummus With Pita Bread ® Wok Fried Egg And Vegetable Fried Rice ® String Hoppers Pilau ® Southern Fish Ambulhiya ® Northern Chicken Curry ® Pork Red Pepper Curry Or Pork Black Pepper Curry ® Roast Pork Loin (Carving) ® Tempered Red Dhal Curry ® Fried Mixed Vegetable With Cashew Curry ® Mustard Curry Or Tempered ® Mango Chutney ® Brinjal Moju	Edit Delete

[Download PDF](#)

React App | (11) MERN Authentication | MERN-Auth-Tutorial/useLo... | SyntaxError in Model Code | Gayan hotel wedding detail | React App

localhost:3000/menu/update/6469129c8ca54b2d3a720b34

Gayana Hotel DashBorad

- Home
- Room reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile
- Logout

localhost:3000 says
menu updated

Update M

Menu:

category:

price:

Menus No.:

Description:

[OK](#)

[Submit](#)

All Menus Here!

#	Menu No	Menu Category	Price	Menu Description
1	Menu3	Menu	6999	• Black Current or Soursop • Chicken Sweetcorn • Steamed Rice • Garlic Hummus With Pita Bread

[Download PDF](#)

[Edit](#) [Delete](#)

[Add New menu and Desserts](#)

[Search Menus and Desserts...](#)

[Full-screen Snip](#)

[Logout](#)

Hotel Gayana

All menu

5/21/2023, 12:07:09 AM

#	menuModel	menu Dash Number	Category	Price	Description
1	Menu3	Menu	6999	• Black Current or Soursop • Chicken Sweetcorn • Steamed Rice • Garlic Hummus With Pita Bread	

User Interfaces for Room Transport Management System

Admin Side

The image displays two screenshots of a web-based Room Transport Management System, specifically the Admin Side.

Top Screenshot: All Vehicles List

This screenshot shows a list of vehicles with the following details:

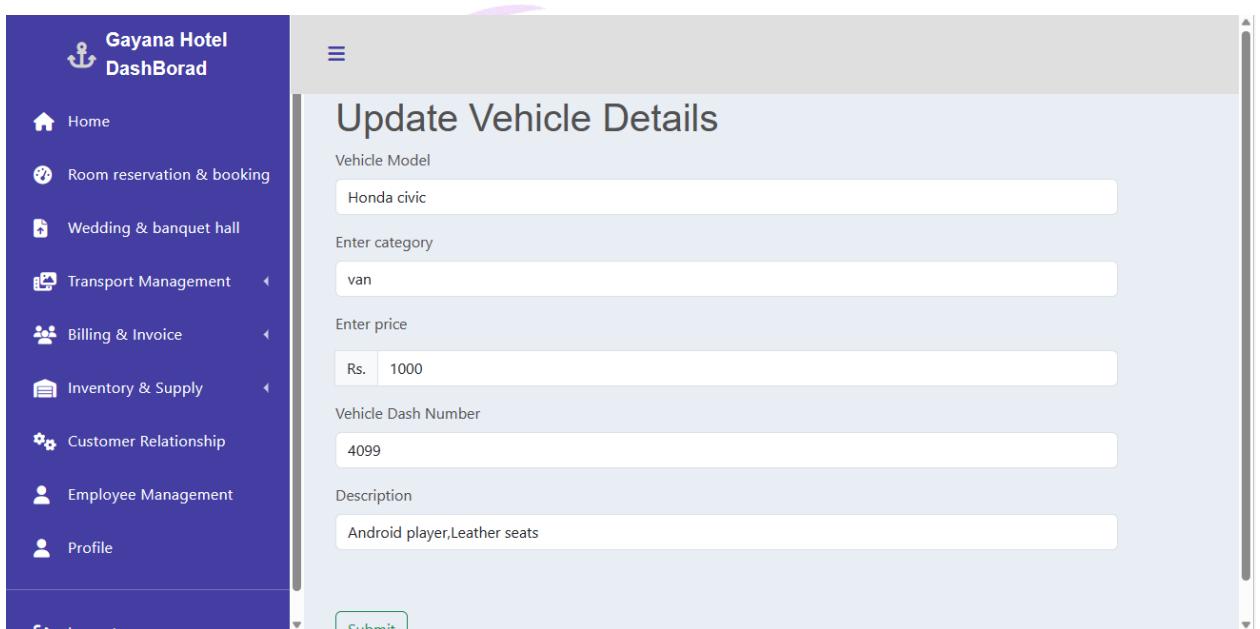
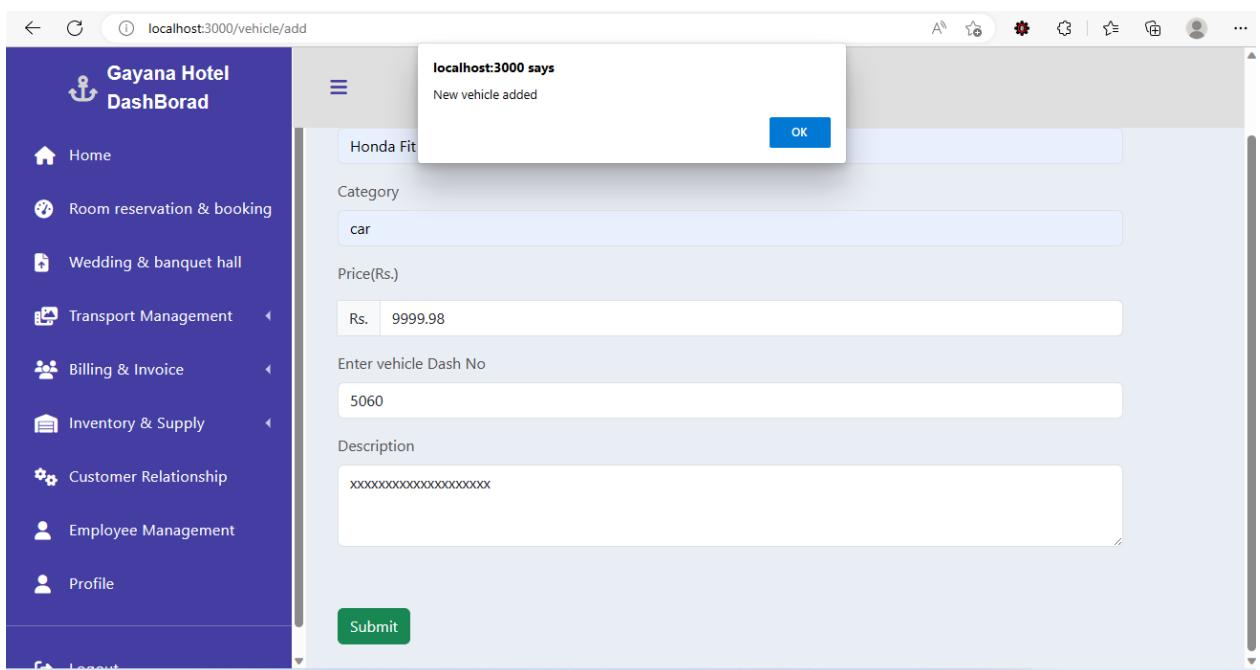
#	Vehicle Model	Vehicle Dash No	Category	Price	Description	Edit	Delete
1	Honda civic	4099	van	10000	Android player, Leather seats		
2	Toyota Townace	4023	van	25000	Six seats, Android player		
3	Toyota Allion	5031	car	20000	Four person only		
4	Honda Wagon R	1275	car	10000	Four person only		
5	Nissan Serena	3950	van	25000	10 person only		

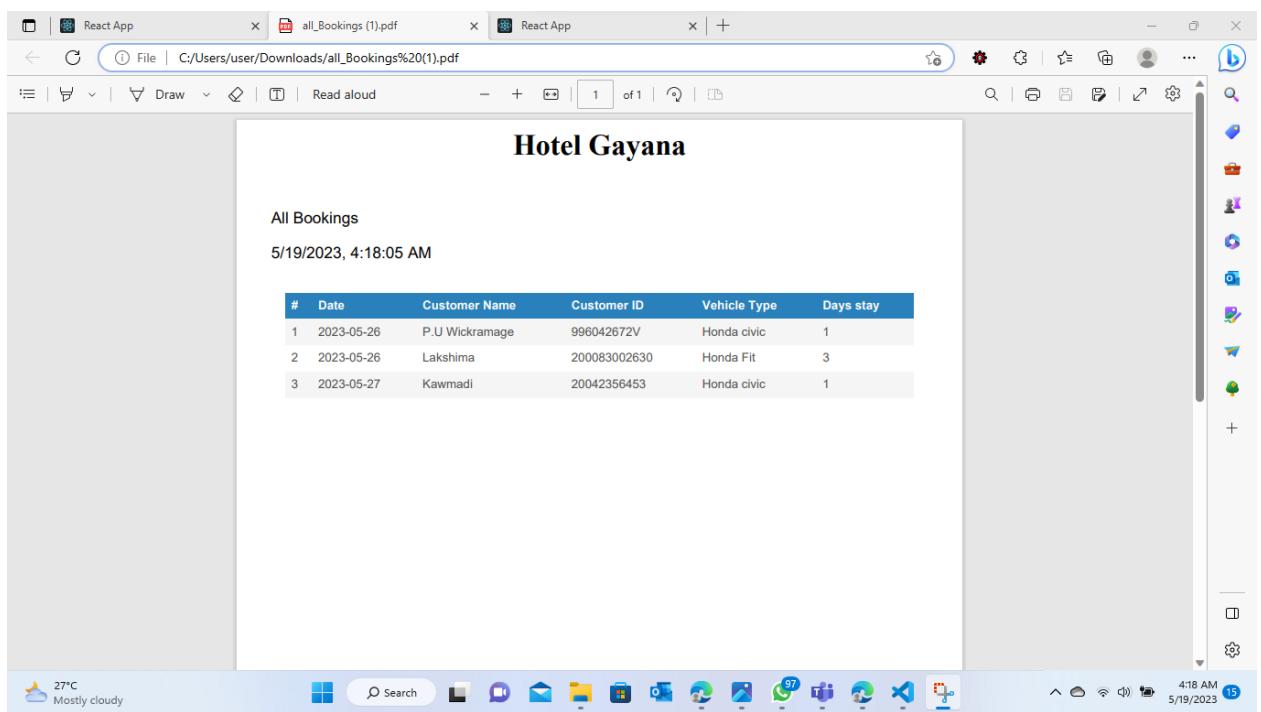
Bottom Screenshot: Add a New Vehicle Form

This screenshot shows the 'Add a New Vehicle' form with the following fields:

- Vehicle Model:** Enter vehicle model (Required)
- Category:** Enter category (Required)
- Price(Rs.):** Enter price (Required)
- Enter vehicle Dash No:** Enter vehicle_dash_number (Required)
- Description:** Enter description

The sidebar on the left shows the navigation menu for the 'Gayana Hotel DashBord'.



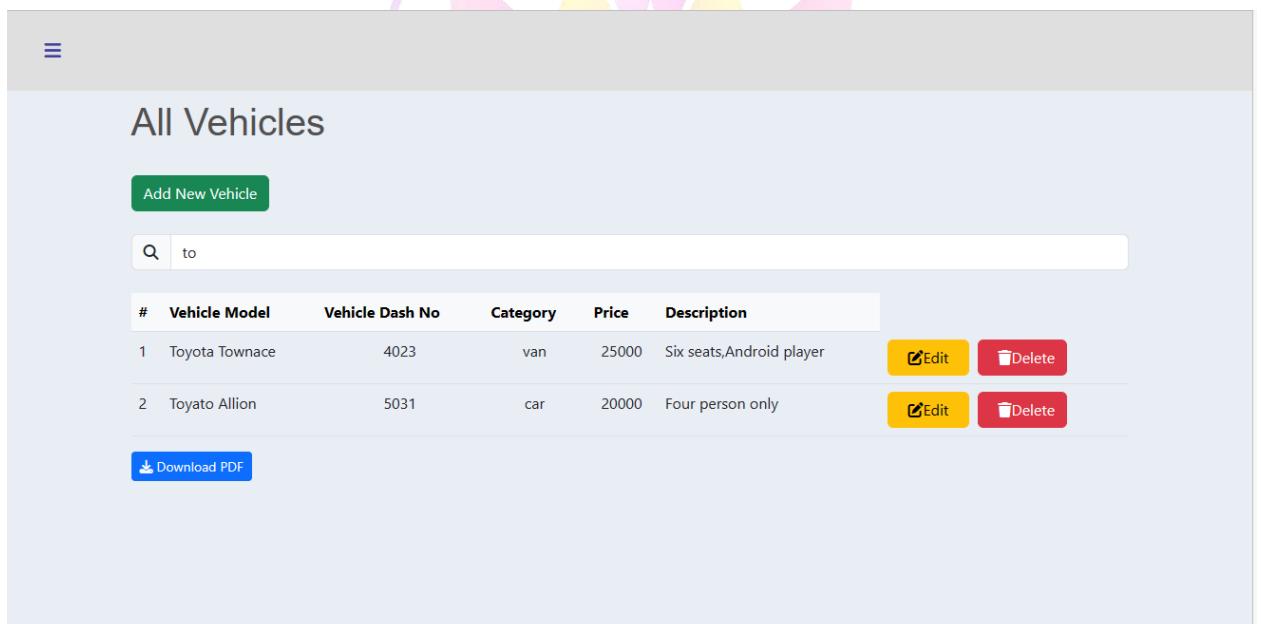


Hotel Gayana

All Bookings

5/19/2023, 4:18:05 AM

#	Date	Customer Name	Customer ID	Vehicle Type	Days stay
1	2023-05-26	P.U Wickramage	996042672V	Honda civic	1
2	2023-05-26	Lakshima	200083002630	Honda Fit	3
3	2023-05-27	Kawmadi	20042356453	Honda civic	1



All Vehicles

Add New Vehicle

27°C Mostly cloudy

418 AM 5/19/2023

#	Vehicle Model	Vehicle Dash No	Category	Price	Description	Actions
1	Toyota Townace	4023	van	25000	Six seats,Android player	<input checked="" type="button"/> Edit <input type="button"/> Delete
2	Toyato Allion	5031	car	20000	Four person only	<input checked="" type="button"/> Edit <input type="button"/> Delete

Download PDF

≡

All Bookings

[Create New Booking](#)

Search for Booking..

#	Date	Customer Name	Customer ID	Vehicle Type	Days	Status	Total	Change
1	2023-05-26	P.U Wickramage	996042672V	Honda civic	1	Pending	10000	Edit Delete confirm
2	2023-05-26	Lakshima	200083002630	Honda Fit	3	Pending	40500	Edit Delete confirm
3	2023-05-27	Kawmadi	20042356453	Honda civic	1	Confirmed	10000	Edit Delete confirm
4	2023-05-20	Nethmi	2001564377	Honda Wagon R	2	Confirmed	20000	Edit Delete confirm

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Client Side



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Efficient and Comfortable Hotel Transport Services for a Hassle-free Stay

showcases the hotel's commitment to providing top-notch transportation services. With a focus on efficiency and comfort, guests can expect a seamless and enjoyable experience during their stay. Whether it's airport transfers, shuttle services to local attractions, or transportation arrangements for group events, the hotel's transport management system aims to ensure that guests have convenient options at their fingertips. By taking care of transportation logistics, the hotel allows guests to relax and make the most of their stay, knowing that their travel needs are well taken care of.

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Rides
The hotel's ride service offers convenient transportation options for guests during their stay. Whether it's exploring nearby attractions, attending business meetings, or simply getting around the city, this service ensures reliable and comfortable



Safari
Experience the adventurous and unforgettable Safari Service offered by our hotel's transport system. Immerse yourself in the awe-inspiring natural beauty and wildlife wonders of the region, guided by our expert safari guides. Embark on thrilling expeditions



Wedding
Our wedding transport service is designed to make your special day seamless and memorable. With a range of stylish vehicles and professional chauffeurs, we ensure timely and hassle-free transportation for the bride, groom, and guests. Relax and enjoy your wedding while we take care of the logistics, ensuring a smooth and unforgettable journey..

[Home](#) [About Us](#) [Transport](#) [Reservation](#) [Weddings](#) [Restaurant](#) [Feedback](#) [Support](#)

Discover Comfort and Luxury on Wheels at our Hotel



Unlock convenience and freedom with our hotel's rent car service. Discover comfort and luxury on wheels as you explore the city at your own pace. Enjoy a seamless and hassle-free travel experience with our reliable and stylish vehicles, tailored to enhance your stay.

- Visit our hotel's website or contact our front desk to inquire about our rent car service. Our friendly staff will guide you through the process and assist in selecting the perfect vehicle for your needs.
- Choose from our diverse fleet of well-maintained cars, ranging from compact models to spacious SUVs. Consider factors such as the number of passengers, luggage space, and any specific features or preferences you may have.
- Provide the necessary information, including your name, contact details, and desired rental dates. Our team will ensure a smooth and seamless booking process, confirming the availability of the chosen vehicle during your requested period.

will address any questions or concerns you may have.

Upon confirmation of your booking, you will receive a reservation confirmation along with the total cost of the rental, including any applicable taxes or fees. Make the payment through our secure system, which offers various payment options for your convenience.



Uncover Hidden Gems with our Hotel's Bespoke Vehicle Tours!

Embark on a captivating journey with our Hotel's Bespoke Vehicle Tours and uncover hidden gems within and beyond the city. Our expert guides will take you on a curated exploration, showcasing the most enchanting and off-the-beaten-path destinations. Immerse yourself in unique cultural experiences and breathtaking landscapes, all while traveling in comfort and style.

[Book now](#)

Add Bookings

Booking Date

Customer Name

Customer ID

Vehicle Type

No of days

Total

Total Amount

footer content

Experience luxury and comfort at our hotel management system. We strive to provide exceptional hospitality services, ensuring a memorable stay for our guests. With our state-of-the-art facilities and dedicated staff, we guarantee an unparalleled experience.

links

[Home](#)
[About Us](#)
[Rooms](#)
[Transport](#)

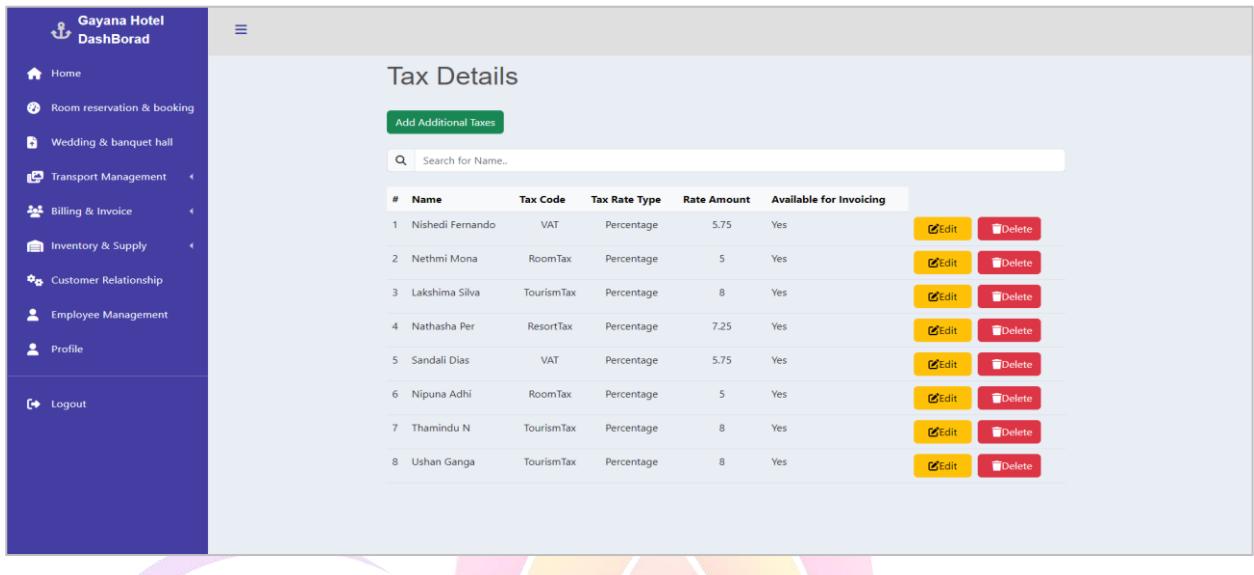
opening hours

Mon - Fri:	8am - 9pm
Sat - Sun:	8am - 1am

User Interfaces for Billing and Invoice Management System

Admin Side

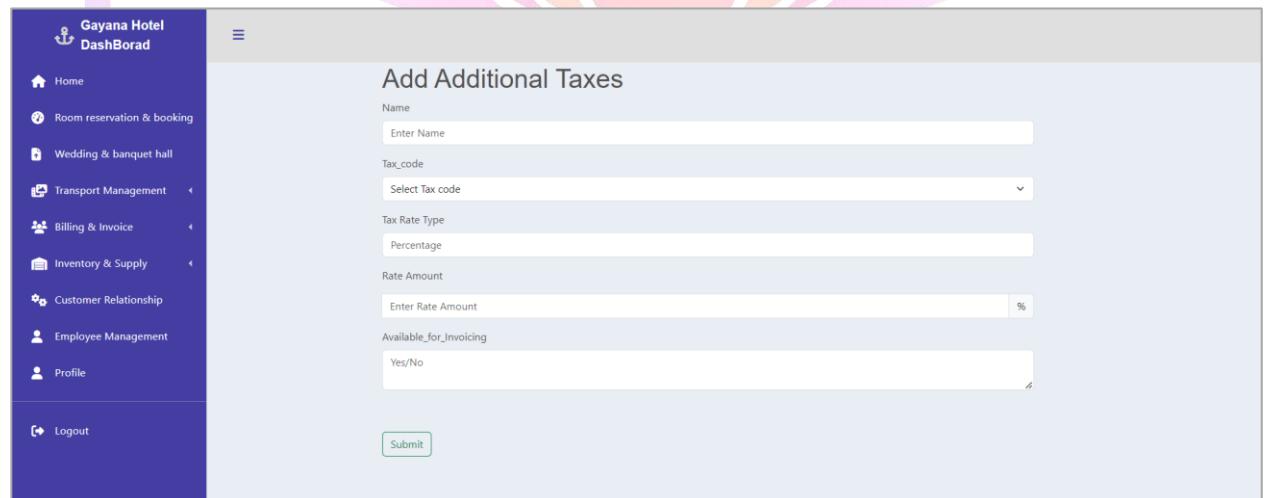
- Tax



Tax Details

Add Additional Taxes

#	Name	Tax Code	Tax Rate Type	Rate Amount	Available for Invoicing
1	Nishedi Fernando	VAT	Percentage	5.75	Yes
2	Nethmi Mona	RoomTax	Percentage	5	Yes
3	Lakshima Silva	TourismTax	Percentage	8	Yes
4	Nathasha Per	ResortTax	Percentage	7.25	Yes
5	Sandali Dias	VAT	Percentage	5.75	Yes
6	Nipuna Adhi	RoomTax	Percentage	5	Yes
7	Thamindu N	TourismTax	Percentage	8	Yes
8	Ushan Ganga	TourismTax	Percentage	8	Yes



Add Additional Taxes

Name
Enter Name

Tax code
Select Tax code

Tax Rate Type
Percentage

Rate Amount
Enter Rate Amount %

Available_for_Invoicing
Yes/No

Submit

Gayana Hotel DashBorad

Home Room reservation & booking Wedding & banquet hall Transport Management Billing & Invoice Inventory & Supply Customer Relationship Employee Management Profile Logout

Add Additional Taxes

Name
Enter Name
Please enter Name

Tax_code
Select Tax code
Please enter Tax code

Tax Rate Type
Percentage
Please enter Tax Rate Type

Rate Amount
Enter Rate Amount
Please enter Rate Amount

Available_for_Invoicing
Yes/No
Please enter Available for Invoicing

Submit

Gayana Hotel DashBorad

Home Room reservation & booking Wedding & banquet hall Transport Management Billing & Invoice Inventory & Supply Customer Relationship Employee Management Profile Logout

Update Tax Details

Name
Nishedi Fernando

Tax_code
VAT

Tax Rate Type
Percentage

Rate Amount
5.75 %

Available_for_Invoicing
Yes

Submit

- Invoice

Gayana Hotel DashBorad

- Home
- Room reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile

[Logout](#)

Invoice Details

[Create New Invoice](#)

Search for Invoice_No..

#	Name	Invoice No	Due Date	Running Total	Tax code	Sub Total	Status	Actions
1	Nishedi Fernando	12345	2023-05-19T18:30:00.000Z	70000	VAT	75000	Pending	Edit Delete Confirm
2	Nethmi Mona	12346	2023-05-20T18:30:00.000Z	80000	RoomTax	85000	Pending	Edit Delete Confirm
3	Lakshima Silva	12347	2023-05-21T18:30:00.000Z	90000	TourismTax	95000	Pending	Edit Delete Confirm
4	Nathasha Per	12348	2023-05-22T18:30:00.000Z	60000	ResortFees	65000	Pending	Edit Delete Confirm
5	Sandali Dias	12349	2023-05-24T18:30:00.000Z	85000	VAT	90000	Pending	Edit Delete Confirm
6	Nipuna Adhi	12350	2023-05-25T18:30:00.000Z	75000	RoomTax	85000	Pending	Edit Delete Confirm

[Download PDF](#)

Gayana Hotel DashBorad

- Home
- Room reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile

[Logout](#)

Add Invoice Details

Name:

Invoice No:

Due Date:

Running Total(Rs.):

Tax_code:

Sub Total(Rs.):

[Submit](#)

Gayana Hotel
DashBorad

- [Home](#)
- [Room reservation & booking](#)
- [Wedding & banquet hall](#)
- [Transport Management](#)
- [Billing & Invoice](#)
- [Inventory & Supply](#)
- [Customer Relationship](#)
- [Employee Management](#)
- [Profile](#)

Add Invoice Details

Name
 *
Please enter Customer Name

Invoice No
 *
Please enter Invoice Number

Due Date
 *

Running Total(Rs.)
 *
Please enter Running Total

Tax_code
 *
Please select a Tax code

Sub Total(Rs.)
 *
Please enter Sub Total

Gayana Hotel
DashBorad

- [Home](#)
- [Room reservation & booking](#)
- [Wedding & banquet hall](#)
- [Transport Management](#)
- [Billing & Invoice](#)
- [Inventory & Supply](#)
- [Customer Relationship](#)
- [Employee Management](#)
- [Profile](#)

Update Invoice

Name

Invoice No

Due Date

Running Total

Tax Code

Sub Total

Hotel Gayana

All Invoices

5/21/2023, 12:57:44 PM

#	Name	Invoice No	Due Date	Running Total	Tax code	Sub Total
1	Nishedi Fernando	12345	2023-05-19T18:30:00.000Z	70000	VAT	75000
2	Nethmi Mona	12346	2023-05-20T18:30:00.000Z	80000	RoomTax	85000
3	Lakshima Silva	12347	2023-05-21T18:30:00.000Z	90000	TourismTax	95000
4	Nathasha Per	12348	2023-05-22T18:30:00.000Z	60000	ResortFees	65000
5	Sandali Dias	12349	2023-05-24T18:30:00.000Z	85000	VAT	90000
6	Nipuna Adhi	12350	2023-05-25T18:30:00.000Z	75000	RoomTax	85000

Client Side

- Payment Details

Add New Payment

Customer Name :

Payment Methods :

Invoice Number :

Invoice Date :

Due Date :

Total :

Payment Bill Details

Search Name/Mobile No./Ref.Date

ID	Name	Payment Method	Invoice No.	Invoice Date	Due Date	Total	Actions
1	Nishedi Fernando	Credit cards	00012345	2023-05-15	2023-05-19	Rs.75000	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Edit Payment Details

Customer Name :*

Payment Methods :

Invoice Number :

Invoice Date :

Due Date :

Total :

- Card Details

Add Card Details

Payment Methods :
Select a Payment Method ▾

Card Number :
XXXX XXXX XXXX XXXX

Card Holder :
Enter Card Holder Name

Expiry Date :
mm/dd/yyyy

Date:
mm/dd/yyyy

Save

Card Details

Search Card Number/Card Holder Name/Date:

ID	Payment Methods	Card Number	Card Holder Name	Exp.Date	Date	Edit	Delete
1	Credit cards	102100100420004545	Nishedi Fernando	2025-10-16	2023-06-19	<input checked="" type="button" value="Edit"/>	<input type="button" value="Delete"/>

Edit Card Details

Payment Methods :
Credit cards ▾

Card Number :
1000000090004545

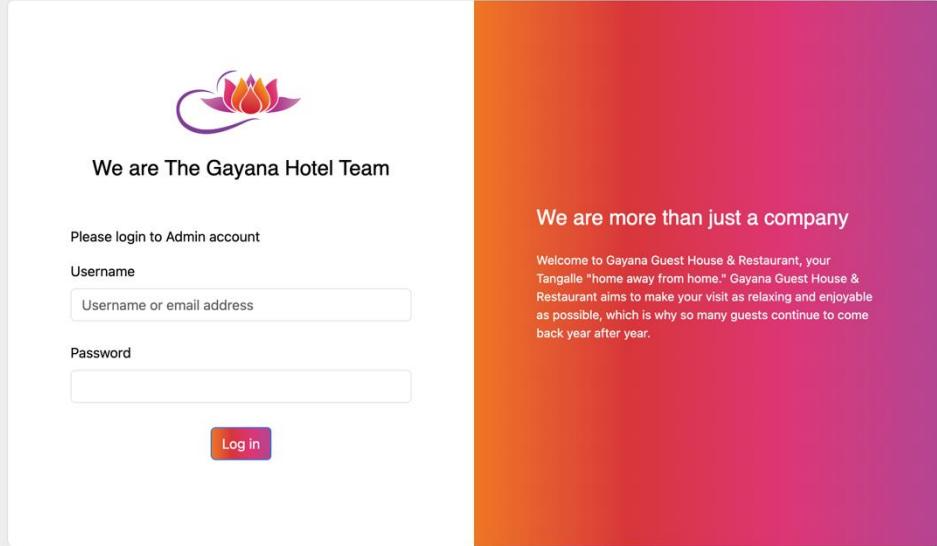
Card Holder :
Nishedi Fernando

Expiry Date :
10/14/2025

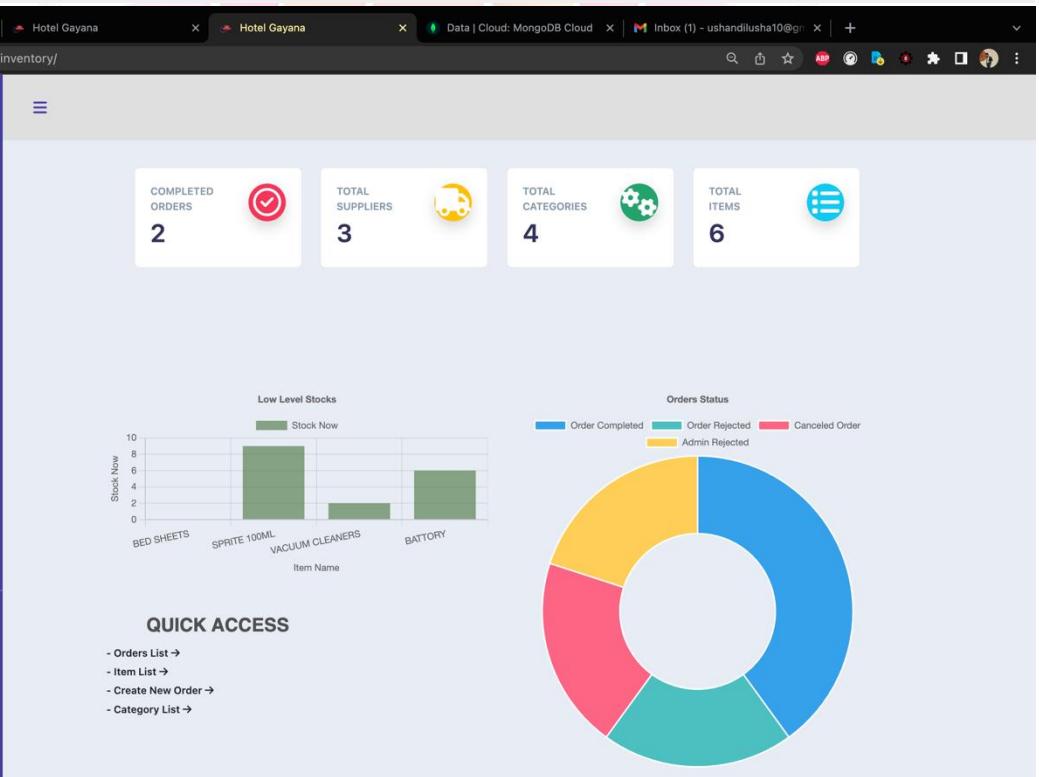
Date:
06/19/2023

Update

User Interfaces for Inventory and Supply Management System



The screenshot shows the admin login interface for Hotel Gayana. It features a logo of a stylized flower at the top, followed by the text "We are The Gayana Hotel Team". Below this is a login form with fields for "Username" and "Password", and a "Log in" button. To the right of the form is a large, colorful background image with the text "We are more than just a company" and a welcome message about the hotel's aim to make visits relaxing and enjoyable.



The screenshot shows the inventory dashboard for Hotel Gayana. On the left is a sidebar menu titled "Gayana Hotel DashBorad" with options like Home, reservation & booking, Wedding & banquet hall, Transport Management, Billing & Invoice, Inventory & Supply, Customer Relationship, Employee Management, Resturent Mangement, Admin Details, and Logout. The main area displays several cards with statistics: "COMPLETED ORDERS 2", "TOTAL SUPPLIERS 3", "TOTAL CATEGORIES 4", and "TOTAL ITEMS 6". Below these are two charts: a bar chart titled "Low Level Stocks" showing stock levels for items like BED SHEETS, SPRITE 100ML, VACUUM CLEANERS, and BATTERY, and a donut chart titled "Orders Status" showing the distribution of order statuses (Order Completed, Order Rejected, Canceled Order, Admin Rejected).

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/category/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details
- Logout

All Categories

Create New Category

Search for Category..

#	Category Name	Location Storage	Location Rack	Category Note	Change
1	Room Supplies	Storage Z	Rack C	This category includes items such as linens (bed sheets, pillowcases, towels), toiletries (shampoo, soap, toilet paper), and other essentials needed for guest rooms.	<button>Edit</button> <button>Delete</button>
2	Food and Beverage	Storage E, Storage A	Rack C	This category includes inventory management for food and beverages, including perishable and non-perishable items, alcoholic and non-alcoholic beverages, condiments, and kitchen supplies.	<button>Edit</button> <button>Delete</button>
3	Housekeeping Supplies	Storage W	Rack 4	This category includes cleaning supplies, equipment, and tools required for housekeeping tasks, such as vacuum cleaners, mops, brooms, cleaning agents, and laundry detergents.	<button>Edit</button> <button>Delete</button>
4	Maintenance and Repair	Storage B	Rack 1-5	This category covers inventory management for maintenance and repair items, including tools, spare parts, light bulbs, plumbing fixtures, electrical components, and general repair supplies.	<button>Edit</button> <button>Delete</button>

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/category/add

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details
- Logout

Add Category

Enter Category Name

Location Storage

Enter Location Storage

Location Rack

Enter Location Rack

Category Note

Enter Category Note

Submit

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/category/add

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

Logout

Add Category

Enter Category Name

Please enter category name

Location Storage

Enter Location Storage

Please enter location storage

Location Rack

Enter Location Rack

Please enter location rack

Category Note

Enter Category Note

Submit

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/category/add

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

Logout

Add Category

Room Supplies

Category already exists

Location Storage

Storage E

Location Rack

New Rack 1-2

Category Note

Room Items

Submit

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/category/update/646738b4eba4d89262a272f0

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

Logout

Update Category

Category Name: Kitchen

Location Storage: Storage Z

Location Rack: Rack 1-6

Category Note: Store only Kitchen items only

Submit

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/item/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

Logout

All Items

Add New Stock Item | Add Supplier | Show Supplier List | Low Stock Report Download

Stock Release

Search for Stock..

Index	Name	Category	Quantity	Price	Supplier	Action	Last Updated
1	BED SHEETS	Room Supplies	Out of stock	400	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	Edit Delete Grid	less than a minute ago
2	VACUUM CLEANERS	Housekeeping Supplies	Low Stock	15000	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	Edit Delete	1 day ago

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/item/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details
- Logout

Normal Stock

Index	Name	Category	Stock	Min Stock	Supplier	Action	Last Updated
1	SPRITE 100ML	Food and Beverage	100	120	K and K Hotel Products	<button>Edit</button> <button>Delete</button> <button>Grid</button>	4 minutes ago
2	LAMPS	Furniture and Fixtures	15	4590	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	<button>Edit</button> <button>Delete</button> <button>Grid</button>	1 day ago
3	BATTORY	Kitchen	48	34	K and K Hotel Products	<button>Edit</button> <button>Delete</button> <button>Grid</button>	1 day ago
4	VEGITABLE	Food and Beverage	32	34	New Vegetable PVT ltd	<button>Edit</button> <button>Delete</button> <button>Grid</button>	1 day ago

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/item/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details
- Logout

All Items

Add New Stock Item

Stock Release

Stock Now: 15

How many Stock are release? 5

Close Update Stock

Index	Name	Category	Stock	Min Stock	Supplier	Action	Last Updated
1	BED SHEETS	Housekeeping Supplies	15000	15000	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	<button>Edit</button> <button>Delete</button> <button>Grid</button>	1 minute ago
2	VACUUM CLEANERS	Housekeeping Supplies	Low Stock	15000	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	<button>Edit</button> <button>Delete</button> <button>Grid</button>	1 day ago

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/item/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details
- Logout

All Items

Add New Stock Item | Stock Release | Import Download

Search for Stock

Index	Name	Category	Status	Stock Level	Supplier	Action	Last Updated
1	BED SHEETS	Room Supplies	Out of stock	400	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	<button>Edit</button> <button>Delete</button> <button>Print</button>	1 minute ago
2	VACUUM CLEANERS	Housekeeping Supplies	Low Stock	15000	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	<button>Edit</button> <button>Delete</button> <button>Print</button>	1 day ago

Add Supplier

Supplier Name:

Supplier Address:

Supplier Contact No:

Supplier Email:

Close Add Supplier

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/item/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details
- Logout

Supplier List

Supplier Name	Contact No	Address	Email	Action	Last Updated	
Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	0112877442	477, Koswattha, Nawala Road, Rajagiriya, Sri Jayawardenepura Kotte	DelankaHotel@gmail.com	<button>Delete</button>	2 minutes ago	
K and K Hotel Products	0777141206	NO- 5B, Mission Rd, Sri Jayawardenepura Kotte, 10100	Kk@gmail.com	<button>Delete</button>	1 day ago	
New Vegetable PVT Itd	0770068282			<button>Delete</button>	2 minutes ago	
2 VACUUM CLEANERS	Housekeeping Supplies	Low Stock	15000	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	<button>Edit</button> <button>Delete</button> <button>Print</button>	1 day ago

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | low-stock-report (1).pdf | Data | Cloud: MongoDB Cloud | New Tab

File | /Users/ushandilusha/Downloads/low-stock-report%20(1).pdf

1 / 1 67% |

Low Stock and Out of Stock Report

Item Name	Category	Quantity	Price	Supplier	Updated At
BED SHEETS	Room Supplies	0	400	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	05/20/2023 10:43:29 PM
VACUUM CLEANERS	Housekeeping Supplies	2	15000	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	05/19/2023 11:31:00 AM

Disclaimer: This is a system generated report. For any queries, please contact the IT support.

Page 1 of 1

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | localhost:3000/item/add | Data | Cloud: MongoDB Cloud | New Tab

File | localhost:3000/item/add

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

Add item

Item Name

Select Category

Choose...

Quantity

Enter Quantity

Price(Rs.)

Rs. Enter Per Item Price

Select Supplier

Choose...

Description

Enter Item Description

Submit

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/item/update/64670f8c3175c84a019aa46c

Update item

Add Supplier

Item Name:

Select Category:

Quantity:

Price(Rs.):

Supplier:

Description:

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/item/

All Items

Add New Stock Item | Add Supplier | Show Supplier List | Low Stock Report Download

Stock Release

Search for Stock

Index Name Action Last Updated

Index	Name	Action	Last Updated				
1	BED SHEETS	Room Supplies	Out of stock	400	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	<button>Edit</button> <button>Delete</button>	less than a minute ago
2	VACUUM CLEANERS	Housekeeping Supplies	Low Stock	15000	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	<button>Edit</button> <button>Delete</button>	1 day ago

Item Updated Successfully

OK

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/item/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

[Logout](#)

Add New Stock Item | Add Supplier | Show Supplier List | Low Stock Report Download

Stock Release

Search: lam

Index	Name	Category	Quantity	Price	Supplier	Action	Last Updated
Low Stock & Out of Stock							
Normal Stock							
2	LAMPS	Furniture and Fixtures	15	4590	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	Edit	1 day ago
						Delete	Grid

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/orders/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

[Logout](#)

Create A New Order | Quality Control | Pending Approval

Filter by Order:

Order Completed

Download PDF

Order No	Item Name	Supplier Name	Quantity	Total Cost	Order Status	Invoice
#5	BATTORY	K and K Hotel Products	34	1156	Order Completed	View
#6	VEGITABLE	New Vegetable PVT ltd	10	340	Order Completed	View

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/orders/add

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

Logout

Create Order

Order Number

Select Item

Category

Supplier Name

Price(Rs.)

Quantity

Order Note

Save

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/orders/

Gayana Hotel DashBorad

- Home
- reservation & booking
- Wedding & banquet hall
- Transport Management
- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Resturent Mangement
- Admin Details

Logout

Pending Order Approval

Order No : #8 Item : VEGITABLE

Supplier : New Vegetable PVT Itd

Order Quantity : 32

Per Item Price : 34

Total Amount : 1088

Approved

Rejected

Close

Order Status	Invoice
Canceled Order	
Receiving Order	
Admin Rejected	
Admin Approved	
Order Completed	
Order Completed	
Order Rejected	

#	Item	Supplier	Quantity	Price	Amount
#6	VEGITABLE	New Vegetable PVT Itd	10	340	340
#7	SPRITE 100ML	K and K Hotel Products	100	12000	12000

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

localhost:3000/orders/qualitycontrol

Quality Control

Order No : #8

Item : VEGITABLE
 Supplier : New Vegetable PVT ltd
 Item Category : Food and Beverage
 Item Quantity : 32
 Item Description : new veg
 Phone : 0779066262 Email : ushandilusha10@gmail.com

Approved **Rejected**

Activity 1: Lucidchart | Hotel Gayana | Hotel Gayana | Data | Cloud: MongoDB Cloud | New Tab

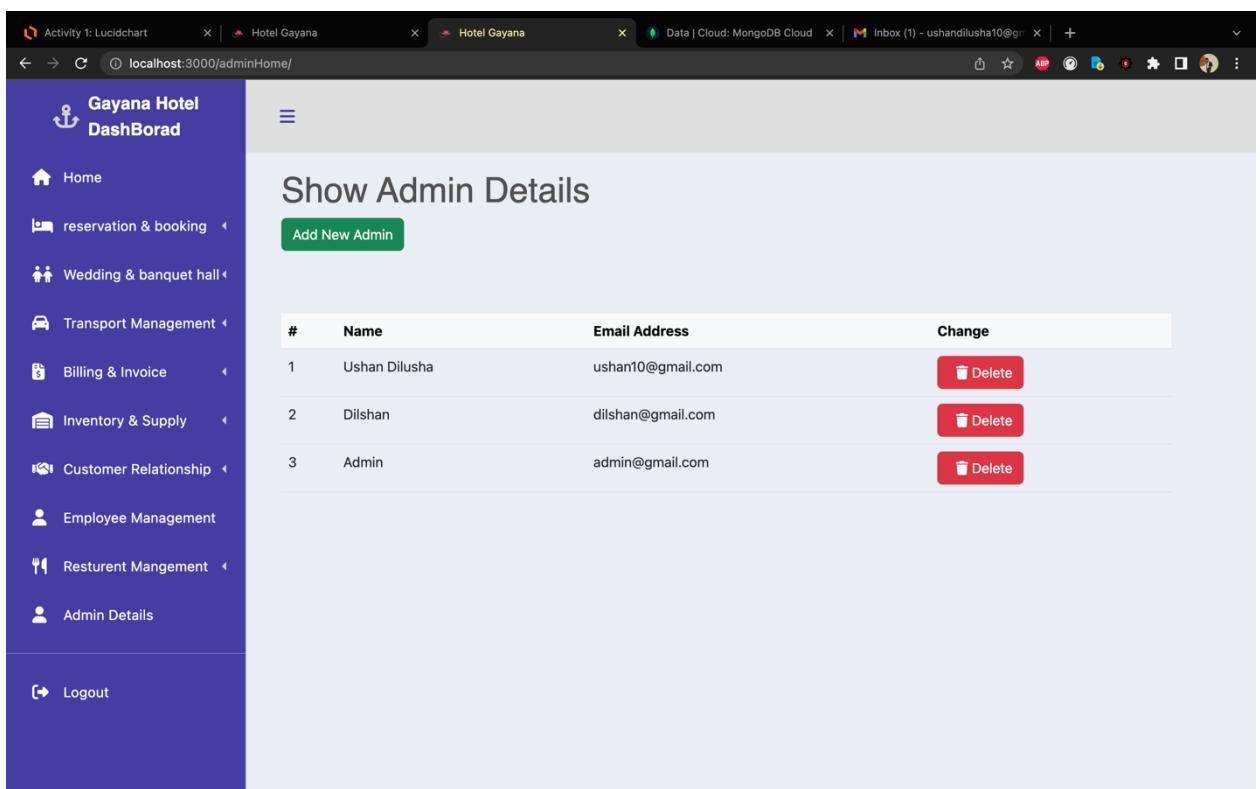
localhost:3000/orders/

Orders

Create A New Order **Quality Control** **Pending Approval**

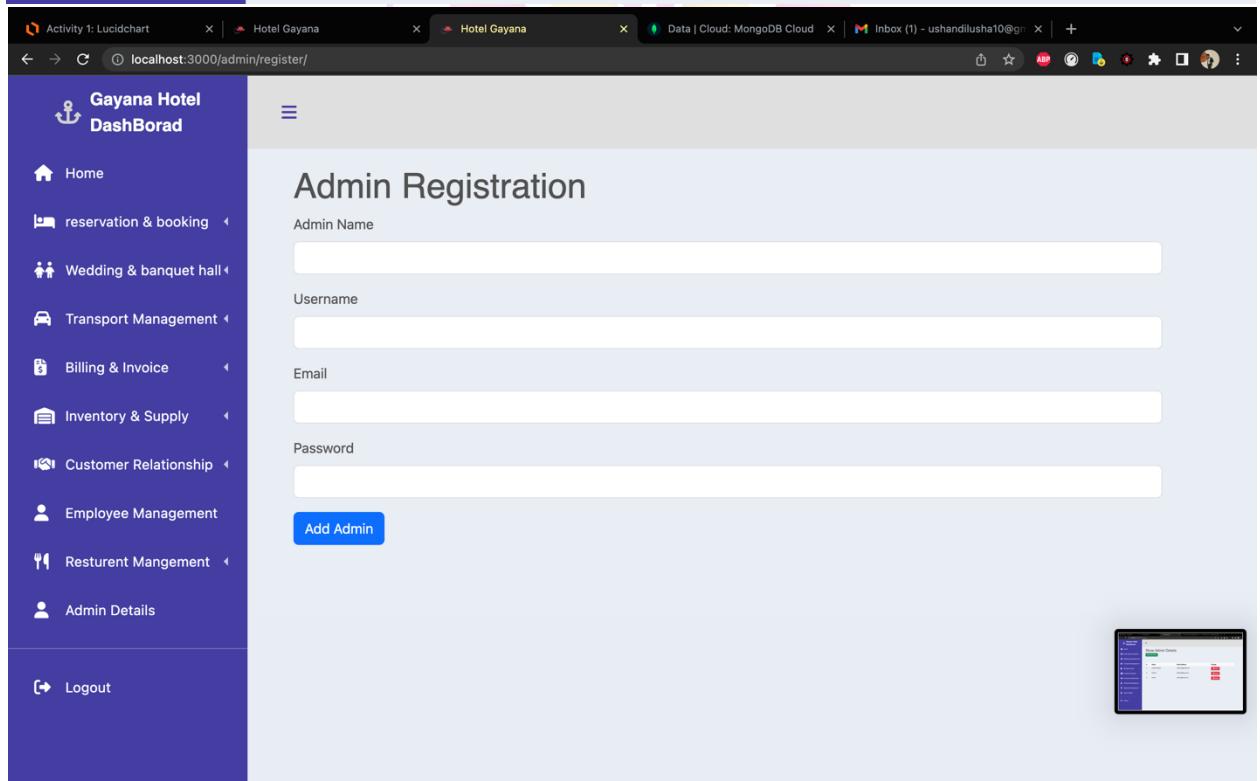
Filter by Order: All Download PDF

Order No	Item Name	Supplier Name	Quantity	Total Cost	Order Status	Invoice
#1	BED SHEETS	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	20	8000	Canceled Order	
Rate : 400	Category : Room Supplies	Order Note : Color(white -10, Yellow-5, Green-5) Create Time & Date : 2023-05-19T06:03:45.339Z				
#2	SPRITE 100ML	K and K Hotel Products	100	12000	Receiving Order	
Rate : 120	Category : Food and Beverage	Order Note : N/A Create Time & Date : 2023-05-19T06:05:00.858Z				
#3	VACUUM CLEANERS	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	7	105000	Admin Rejected	
#4	LAMPS	Delanka Hotel Catering Equipment & Services Supply (Pvt) Ltd	10	45900	Admin Approved	
Rate : 4590	Category : Furniture and	Order Note : Room Lamp -5 Outdoor Lamp -5 Create Time & Date : 2023-05-19T06:06:33.027Z				



Show Admin Details

#	Name	Email Address	Change
1	Ushan Dilusha	ushan10@gmail.com	<button>Delete</button>
2	Dilshan	dilshan@gmail.com	<button>Delete</button>
3	Admin	admin@gmail.com	<button>Delete</button>



Admin Registration

Admin Name:

Username:

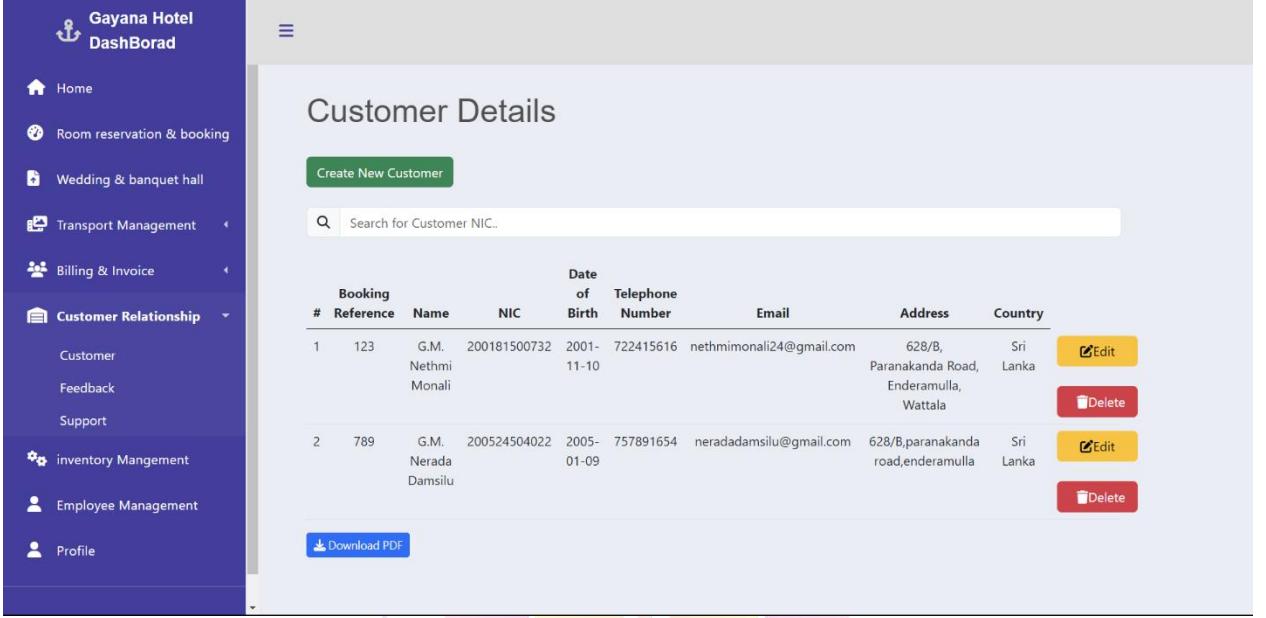
Email:

Password:

Add Admin

User Interfaces for Customer Relationship Management System

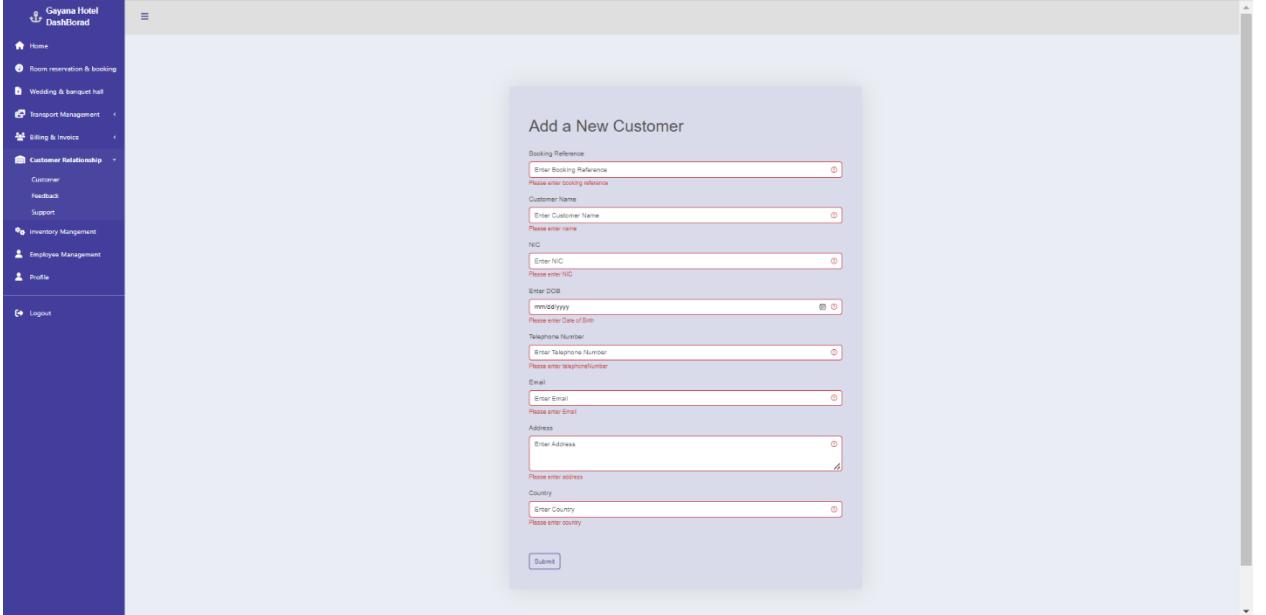
Admin Side



The screenshot shows the 'Customer Details' page of the Gayana Hotel Dashboard. The left sidebar contains a navigation menu with options like Home, Room reservation & booking, Wedding & banquet hall, Transport Management, Billing & Invoice, Customer Relationship (selected), Customer, Feedback, Support, Inventory Management, Employee Management, and Profile. The main content area is titled 'Customer Details' and features a 'Create New Customer' button. Below it is a search bar with the placeholder 'Search for Customer NIC..'. A table lists customer details with two entries:

Booking Reference #	Name	NIC	Date of Birth	Telephone Number	Email	Address	Country
1 123	G.M. Nethmi Monali	200181500732	2001-11-10	722415616	nethmimonali24@gmail.com	628/B, Paranakanda Road, Enderamulla, Wattala	Sri Lanka
2 789	G.M. Nerada Damsilu	200524504022	2005-01-09	757891654	neradadamsilu@gmail.com	628/B,paranakanda road,enderamulla	Sri Lanka

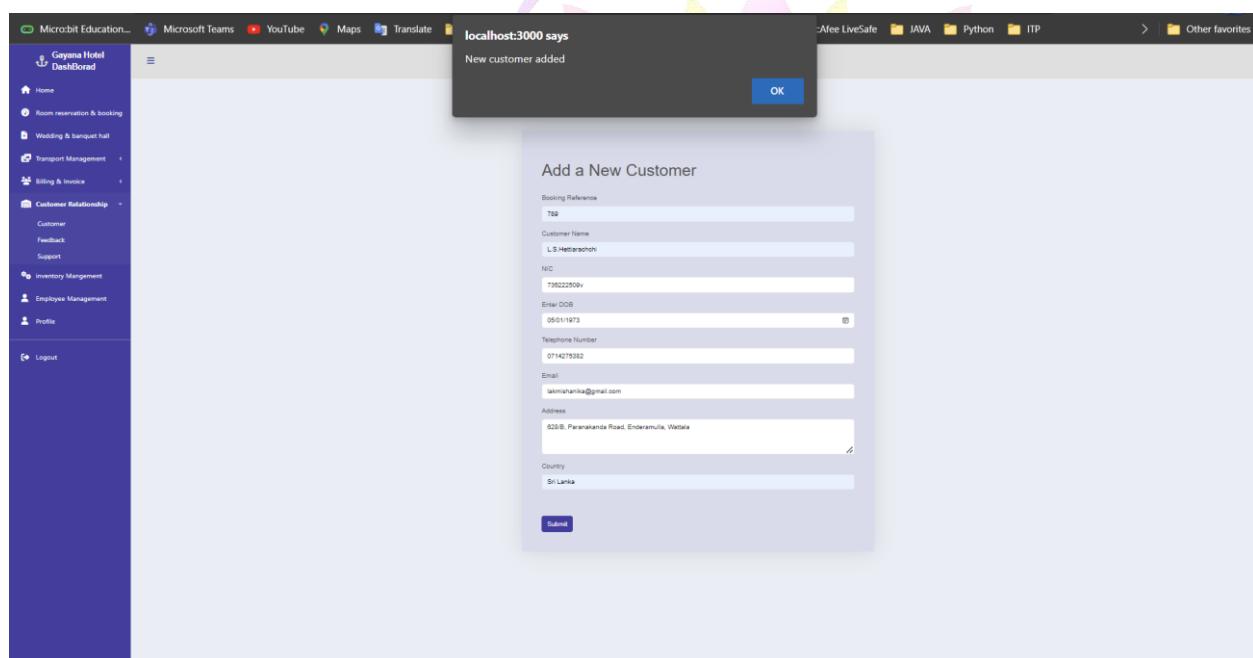
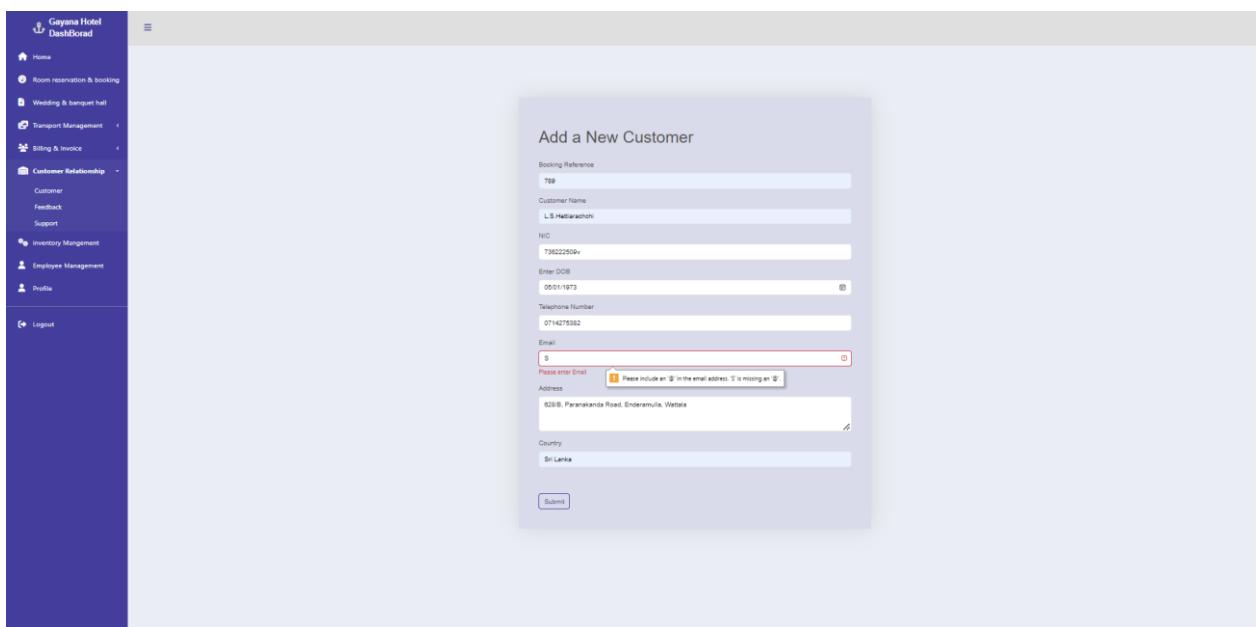
Actions for each row include 'Edit' and 'Delete' buttons. At the bottom is a 'Download PDF' button.



The screenshot shows the 'Add a New Customer' form. The left sidebar is identical to the previous screenshot. The main form is titled 'Add a New Customer' and contains the following fields:

- Booking Reference: Input field with placeholder 'Enter Booking Reference' and error message 'Please enter booking reference'.
- Customer Name: Input field with placeholder 'Enter Customer Name' and error message 'Please enter name'.
- NIC: Input field with placeholder 'Enter NIC' and error message 'Please enter NIC'.
- Date of Birth (DOB): Input field with placeholder 'Enter DOB' and error message 'Please enter Date of Birth'.
- Telephone Number: Input field with placeholder 'Enter Telephone Number' and error message 'Please enter telephone number'.
- Email: Input field with placeholder 'Enter Email' and error message 'Please enter Email'.
- Address: Input field with placeholder 'Enter Address' and error message 'Please enter address'.
- Country: Input field with placeholder 'Enter Country' and error message 'Please enter country'.

At the bottom is a 'Submit' button.



Customer Details									
		Customer Details		Actions					
		Customer Details		Actions					
#	Booking Reference	Name	NIC	Date of Birth	Telephone Number	Email	Address	Country	
1	123	G.M. Nethmi Monali	200181500732	2001-11-10	722415616	nethmimonali24@gmail.com	628/B, Paranakanda Road, Enderamulla, Wattala	Sri Lanka	<button>Update</button> <button>Delete</button>
2	789	G.M. Herada Damali	2005249504022	2005-01-09	757891664	neradadasmali@gmail.com	638/B, Paranakanda road enderamulla	Sri Lanka	<button>Update</button> <button>Delete</button>
3	789	L.S.Hettiarachchi	7982223309v	1973-05-01	714275382	lakmimhanka@gmail.com	628/B, Paranakanda Road, Enderamulla, Wattala	Sri Lanka	<button>Update</button> <button>Delete</button>

Update Customer Details

Booking Reference:

Customer Name:

NIC:

Telephone Number:

Email:

Address:

Country:

Customer Details

[Create New Customer](#)

Search for Customer NIC...

#	Booking Reference	Name	NIC	Date of Birth	Telephone Number	Email	Address	Country		
1	123	G.M. Nethmi Monali updated	200181500732	2001-11-10	722415616	nethmimonali24@gmail.com	628/B, Parankanda Road, Enderamulla, Wattala updated	Sri Lanka	Edit	Delete
2	789	G.M. Nerada Damsilu	200524504022	2005-01-09	757891654	neradamsilu@gmail.com	628/B,paranakanda road,enderamulla	Sri Lanka	Edit	Delete
3	789	L.S.Hettiarachchi	736222509v	1973-05-01	714275382	lakmishanika@gmail.com	628/B, Parankanda Road, Enderamulla, Wattala	Sri Lanka	Edit	Delete

[Download PDF](#)

Customer Details

[Create New Customer](#)

Search for Customer NIC...

#	Booking Reference	Name	NIC	Date of Birth	Telephone Number	Email	Address	Country		
1	123	G.M. Nethmi Monali updated	200181500732	2001-11-10	722415616	nethmimonali24@gmail.com	628/B, Parankanda Road, Enderamulla, Wattala updated	Sri Lanka	Edit	Delete
2	789	G.M. Nerada Damsilu	200524504022	2005-01-09	757891654	neradamsilu@gmail.com	628/B,paranakanda road,enderamulla	Sri Lanka	Edit	Delete

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Gayana Hotel DashBoard

- Home
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- Transport Management
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- Customer Relationship
- Inventory Management
- Employee Management
- Profile
- Logout

Customer Details

[Create New Customer](#)

#	Booking Reference	Name	NIC	Date of Birth	Telephone Number	Email	Address	Country
2	789	G.M. Nerada Damsilu	200524504022	2005-01-09	757891654	neradadamsilu@gmail.com	628/B,paranakanda road,enderamulla	Sri Lanka

[Edit](#) [Delete](#)

[Download pdf](#)

Customers Details

5/21/2023, 8:18:37 PM

#	Booking Ref.	Name	NIC	DOB	Tel. No.	Email	Address	Country
1	123	G.M. Nethmi Monalil updated	20018150073	2001-11-10	72241561	nethmimonali24@gmail.com	628/B,Paranakanda Road, Enderamulla, Wattala updated	Sri Lanka
2	789	G.M. Nera da Damsilu	20052450402	2005-01-09	757891654	neradadamsilu@gmail.com	628/B,paranakanda road,enderamulla	Sri Lanka

Gayana Hotel Dashboard

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- Profile

[Logout](#)

Feedback Details

[Add New Feedback](#)

Search for Customer NIC...

#	Name	NIC	Source of Referral	Reservation Method	Visit Purpose	Service Quality	Cleanliness	Food	Staff	Overall Experience	Suggestions/Recommendations
1	LS.Hettiarachchi	736222507v	Friend	Travel Agency	Restaurant	good	veryGood	excellent	poor	satisfactory	Test
2	G.M. Nethmi Monali	200181500730	Social Media	Online	Vacation	satisfactory	good	veryGood	excellent	poor	Test

[Download PDF](#)

Feedback Counts

Service Quality
good: 1
satisfactory: 1

Cleanliness
veryGood: 1
good: 1

Food
excellent: 1
veryGood: 1

Staff
poor: 1
excellent: 1

Overall Experience
satisfactory: 1
poor: 1

Gayana Hotel Dashboard

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[Logout](#)

Add a New Feedback

Customer Name: G.M. Nerade Damali NIC: 200581500740

How did you hear about our hotel? Website

How did you make your reservation? Online

What was the purpose of your visit? Wedding

How would you rate these:

Service Quality	<input type="radio"/> Excellent	<input type="radio"/> Very Good	<input type="radio"/> Good	<input checked="" type="radio"/> Satisfactory	<input type="radio"/> Poor
Cleanliness	<input checked="" type="radio"/> Excellent	<input type="radio"/> Very Good	<input type="radio"/> Good	<input type="radio"/> Satisfactory	<input type="radio"/> Poor
Food	<input type="radio"/> Excellent	<input checked="" type="radio"/> Very Good	<input type="radio"/> Good	<input type="radio"/> Satisfactory	<input type="radio"/> Poor
Staff	<input type="radio"/> Excellent	<input type="radio"/> Very Good	<input type="radio"/> Good	<input type="radio"/> Satisfactory	<input checked="" type="radio"/> Poor
Overall experience in our hotel	<input type="radio"/> Excellent	<input type="radio"/> Very Good	<input checked="" type="radio"/> Good	<input type="radio"/> Satisfactory	<input type="radio"/> Poor

Any other suggestions or recommendations for us? Test

[Submit](#)

Feedback Details

[Add New Feedback](#)

Search for Customer NiC.

#	Name	NIC	Source of Referral	Reservation Method	Visit Purpose	Service Quality	Cleanliness	Food	Staff	Overall Experience	Suggestions/Recommendations
1	L.S.Hettiarachchi	736222507v	Friend	Travel Agency	Restaurant	good	veryGood	excellent	poor	satisfactory	Test
2	G.M. Nethmi Monali	200181500730	Social Media	Online	Vacation	satisfactory	good	veryGood	excellent	poor	Test
3	G.M. Nerada Damsili	200581500740	Website	Online	Wedding	satisfactory	excellent	veryGood	poor	good	Test

[Download PDF](#)

Feedback Counts

Service Quality
good: 1
satisfactory: 2

Cleanliness
veryGood: 1
good: 1
excellent: 1

Food
excellent: 1
veryGood: 2

Staff
poor: 2
excellent: 1

Overall Experience
satisfactory: 1
poor: 1
good: 1

Feedback Details

[Add New Feedback](#)

Search for Customer NiC.

#	Name	NIC	Source of Referral	Reservation Method	Visit Purpose	Service Quality	Cleanliness	Food	Staff	Overall Experience	Suggestions/Recommendations
1	L.S.Hettiarachchi	736222507v	Friend	Travel Agency	Restaurant	good	veryGood	excellent	poor	satisfactory	Test
2	G.M. Nethmi Monali	200181500730	Social Media	Online	Vacation	satisfactory	good	veryGood	excellent	poor	Test

[Download PDF](#)

Feedback Counts

Service Quality
good: 1
satisfactory: 1

Cleanliness
veryGood: 1
good: 1

Food
excellent: 1
veryGood: 1

Staff
poor: 1
excellent: 1

Overall Experience
satisfactory: 1
poor: 1

Gayana Hotel DashBoard

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Feedback Details

[Add New Feedback](#)

736

#	Name	NIC	Source of Referral	Reservation Method	Visit Purpose	Service Quality	Cleanliness	Food	Staff	Overall Experience	Suggestions/Recommendations
1	L.S.Hettiarachchi	736222507v	Friend	Travel Agency	Restaurant	good	veryGood	excellent	poor	satisfactory	Test

[Download PDF](#)

Feedback Counts

Service Quality
 good: 1
 satisfactory: 1

Cleanliness
 veryGood: 1
 good: 1

Food
 excellent: 1
 veryGood: 1

Staff
 poor: 1
 excellent: 1

Overall Experience
 satisfactory: 1
 poor: 1

Draw | Read aloud

Hotel Gayana

Feedback Details

5/21/2023, 8:30:05 PM

#	Name	NIC	hearAboutHotel	reservationMethod	visitPurpose	serviceQuality	cleanliness	food	staff	overallExperience	suggestions
1	L.S.Hettiarachchi	736222507v	Friend	Travel Agency	Restaurant	good	veryGood	excellent	poor	satisfactory	Test
2	G.M. Nehmi Monali	200181500730	Social Media	Online	Vacation	satisfactory	good	veryGood	excellent	poor	Test

Gayana Hotel DashBorad

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- Customer Relationship
- Inventory Mangement
- Employee Management
- Profile

Logout

Support Ticket Details

[Submit a Support Ticket](#)

Search for Customer NIC...

#	Name	NIC	Email	Category	Subject	Description	
1	L.S.Hettiarachchi	736222507v	lakmishanika@gmail.com	Room Reservation	Test	Test	
2	G.M. Nethmi Monali	200181500732	nethmimonali24@gmail.com	Billing and Payments	Test	Test	

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Gayana Hotel DashBorad

- Home
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Logout

Submit a Support Ticket

Customer Name	NIC
<input type="text" value="Enter your name"/>	<input type="text" value="Enter your NIC"/>
Email	
<input type="text" value="Enter your email"/>	
Select a category	
<input type="text" value="Select an option"/>	
Subject	
<input type="text" value="Enter a subject"/>	
Description	
<input type="text" value="Enter the description"/>	
Submit	

Gayana Hotel DashBorad

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- Employee Management
- Profile

Logout

Support Ticket Details

Submit a Support Ticket

Search for Customer NIC...

#	Name	NIC	Email	Category	Subject	Description
1	L.S.Hettiarachchi	736222507v	lakmishanika@gmail.com	Room Reservation	Test	Test
2	G.M. Nethmi Monali	200181500732	nethmimonali24@gmail.com	Billing and Payments	Test	Test
3	G.M. Nerada Damsilu	200581500740	neradadamsilu@gmail.com	Event or Conference Services	Test	Test

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Gayana Hotel DashBorad

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- Customer Relationship
- Inventory Management
- Employee Management
- Profile

Logout

Support Ticket Details

Submit a Support Ticket

Search for Customer NIC...

#	Name	NIC	Email	Category	Subject	Description
2	G.M. Nethmi Monali	200181500732	nethmimonali24@gmail.com	Billing and Payments	Test	Test
3	G.M. Nerada Damsilu	200581500740	neradadamsilu@gmail.com	Event or Conference Services	Test	Test

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Gayana Hotel
DashBoard

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- Profile
- Logout

Support Ticket Details

Submit a Support Ticket

Search for Customer NIC...

#	Name	NIC	Email	Category	Subject	Description
1	L.S.Hettiarachchi	736222507v	lakmishanika@gmail.com	Room Reservation	Test	Test
2	G.M. Nerada Damsili	200581500740	neradadamsili@gmail.com	Event or Conference Services	Test	Test

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Hotel Gayana

Support Ticket Details
5/21/2023, 8:37:30 PM

#	Name	NIC	email	category	subject	description
1	L.S.Hettiarachchi	736222507v	lakmishanika@gmail.com	Room Reservation	Test	Test
2	G.M. Nerada Damsili	200581500740	neradadamsili@gmail.com	Event or Conference Services	Test	Test

Client Side



Testimonials

"Exceptional Hotel System: A Seamless Experience from Start to Finish"



Rahal Dias

"Checking out was a breeze thanks to the efficient billing system at Hotel Gayana. The process was quick, accurate, and hassle-free, leaving me with a positive impression of the hotel's overall organization."

< >

Add Your Feedback



Add New Feedback

Customer Name NIC

How did you hear about our hotel?

How did you make your reservation?

What was the purpose of your visit?

How would you rate these:

Service Quality

<input type="radio"/>	Excellent	<input type="radio"/>	Very Good	<input type="radio"/>	Good	<input type="radio"/>	Satisfactory	<input type="radio"/>	Poor
-----------------------	-----------	-----------------------	-----------	-----------------------	------	-----------------------	--------------	-----------------------	------

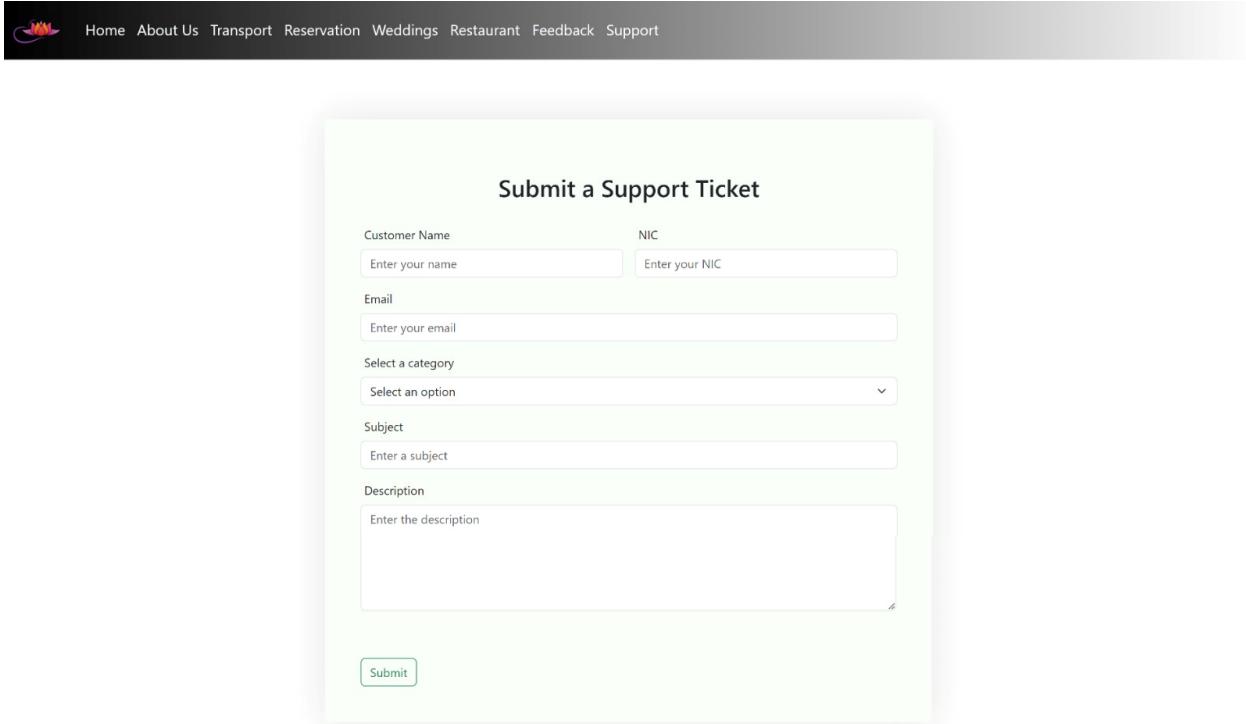
Staff

<input type="radio"/>	Excellent	<input type="radio"/>	Very Good	<input type="radio"/>	Good	<input type="radio"/>	Satisfactory	<input type="radio"/>	Poor
-----------------------	-----------	-----------------------	-----------	-----------------------	------	-----------------------	--------------	-----------------------	------

Overall experience in our hotel

<input type="radio"/>	Excellent	<input type="radio"/>	Very Good	<input type="radio"/>	Good	<input type="radio"/>	Satisfactory	<input type="radio"/>	Poor
-----------------------	-----------	-----------------------	-----------	-----------------------	------	-----------------------	--------------	-----------------------	------

Any other suggestions or recommendations for us?

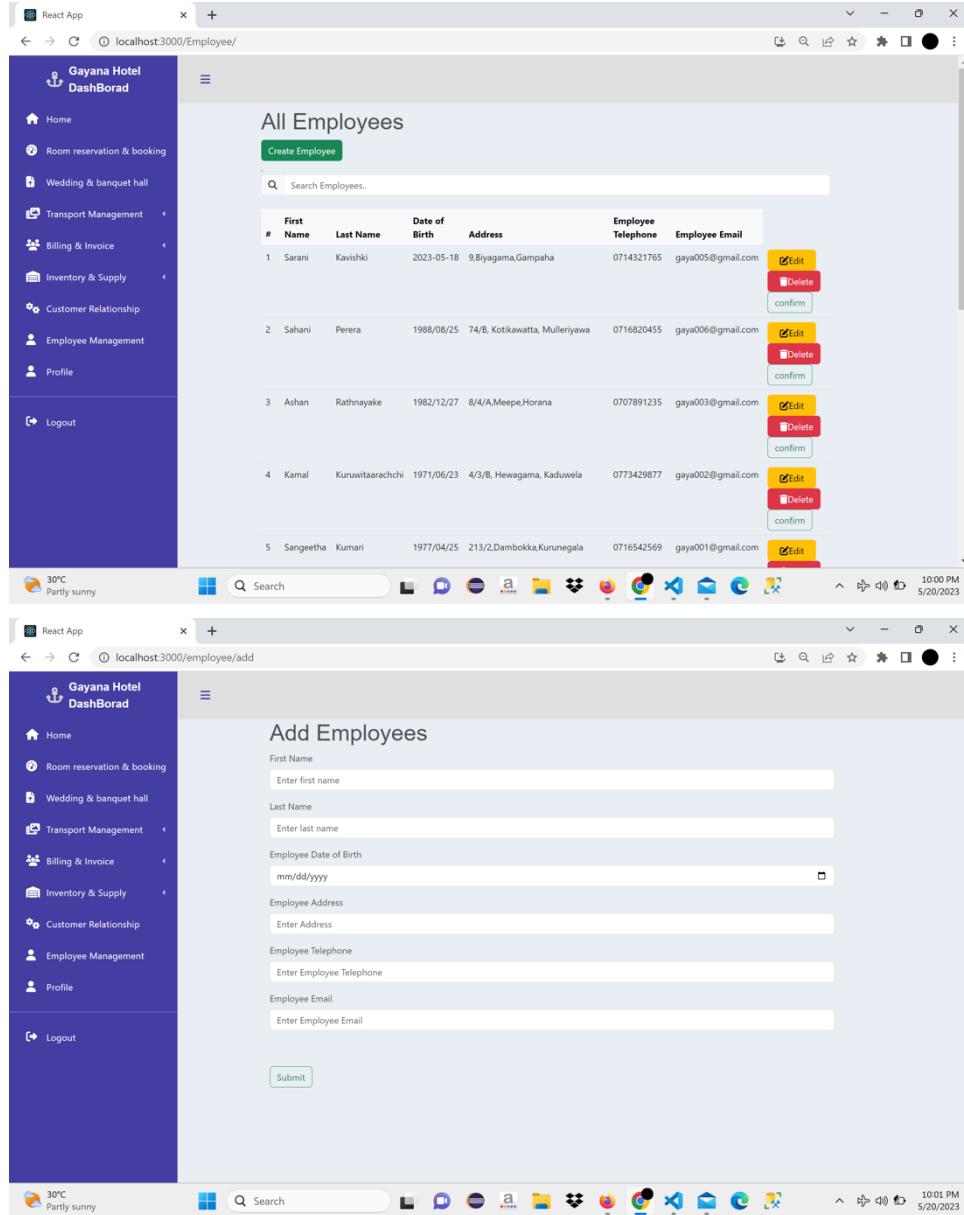


The screenshot shows a support ticket submission form titled "Submit a Support Ticket". The form is divided into several sections with labels and input fields:

- Customer Name:** Two adjacent input fields labeled "Enter your name" and "Enter your NIC".
- Email:** An input field labeled "Enter your email".
- Select a category:** A dropdown menu labeled "Select an option".
- Subject:** An input field labeled "Enter a subject".
- Description:** A large text area labeled "Enter the description".
- Submit:** A green "Submit" button at the bottom left of the form.

The form is set against a light gray background with a white header bar containing a logo and navigation links.

User Interfaces for Employee Management System



The image displays two screenshots of a web-based Employee Management System for 'Gayana Hotel DashBord'.

Screenshot 1: All Employees List

The page title is 'All Employees'. It features a search bar and a table with the following data:

#	First Name	Last Name	Date of Birth	Address	Employee Telephone	Employee Email
1	Sarani	Kavishki	2023-05-18	9,Biyagama,Gampaha	0714321765	gaya05@gmail.com
2	Sahani	Perera	1988/08/25	74/B, Kotikawatta, Mulleriyawa	0716820455	gaya06@gmail.com
3	Ashan	Rathnayake	1982/12/27	8/4/A,Meepe,Horana	0707891235	gaya03@gmail.com
4	Kamal	Kuruwitaarachchi	1977/06/23	4/3/B, Hewagama, Kaduwela	0773429877	gaya02@gmail.com
5	Sangeetha	Kumari	1977/04/25	213/2,Dambokka,Kurunegala	0716542569	gaya01@gmail.com

Each row has 'Edit', 'Delete', and 'confirm' buttons.

Screenshot 2: Add Employees Form

The page title is 'Add Employees'. The form fields are:

- First Name: Enter first name
- Last Name: Enter last name
- Employee Date of Birth: mm/dd/yyyy
- Employee Address: Enter Address
- Employee Telephone: Enter Employee Telephone
- Employee Email: Enter Employee Email

A 'Submit' button is at the bottom.

React App

localhost:3000/Employee/

Gayana Hotel DashBord

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- Billing & Invoice
- Inventory & Supply
- Customer Relationship
- Employee Management
- Profile

Logout

All Employees

Create Employee

Search: kav

#	First Name	Last Name	Date of Birth	Address	Employee Telephone	Employee Email
1	Sanari	Kavishki	2023-05-18	9.Biyagama.Gampaha	0714321765	gaya005@gmail.com

30°C Partly sunny

React App

localhost:3000/employee/add

Gayana Hotel DashBord

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Logout

Add Employees

First Name
Enter first name
Please enter first name

Last Name
Enter last name
Please enter last name

Employee Date of Birth
mm/dd/yyyy
Please enter Date of Birth

Employee Address
Enter Address
Please enter address

Employee Telephone
Enter Employee Telephone
Please enter Employee Telephone

Employee Email
0764347633
Please enter Employee Email
Please include an '@' in the email address. 0764347633 is missing an '@'.

React App localhost:3000/Employee/update/644f99a5808fd3d99038d474

Gayana Hotel DashBord

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Update Employee Details

First Name: Sarani

Last Name: Kavishki

Date of Birth: 05/18/2023

Address: 9.Biyagama,Gampaha

Employee Telephone: 0714321765

Employee Email: gaya005@gmail.com

Submit

30°C Partly sunny 10:01 PM 5/20/2023

React App localhost:3001

Employee Details List

First Name: Udani
Last Name: bandara
Date of Birth: 2023-05-03
Address: No9,kelanimulla,angoda,colombo
Telephone: 0771234568
Email (Emp. ID): gaya012@gmail.com
1 day ago
Assign Task
Edit Details
Delete Details

First Name: Saman
Last Name: Perera
Date of Birth: 1970-05-02
Address: 8/4/B, Gothathuwawa, Kolonnawa
Telephone: 0762345678

30°C Partly sunny 10:04 PM 5/20/2023

User Interfaces for Restaurant Management System

localhost:3000/Food/

Navbar Home restaurant Disabled Search Search



GAYANA HOTEL TANGALLE
Bringing The Flavours Of The World Closer To you!

Celebrate food with multiple cuisines from your favourite hotel in Tangalle. Our all-new delivery service lets you savour signature dishes from the best restaurants of Gayana Hotel! Experience flavours from around the world, brought right to your doorstep whilst adhering to the highest health and safety standards.

localhost:3000/Food/menu1

Navbar Home restaurant Disabled Search Search

Chicken Tikka Kebab



Chicken Tikka Kebab is a popular and flavorful dish in Indian and Pakistani cuisine. It is made by marinating chicken pieces in a mixture of yogurt and spices, and then grilling or baking them to perfection. The result is tender, juicy, and slightly charred chicken with a smoky and aromatic flavor. The chicken pieces, usually boneless and skinless, are marinated in a mixture of yogurt and various spices. The marinade typically includes ingredients like ginger-garlic paste, red chili powder, turmeric, cumin, coriander, garam masala, and lemon juice. The yogurt helps tenderize the meat while the spices infuse it with rich flavors.

Rs.2400.00

[Order](#)

localhost:3000/Food/menu1/request

Item_Name :
Chicken Tikka Kebab

Price :
1800

Quantity :
10

Status :
On Stock

Total Amount:
100

Created At:
05/11/2023

Legal Case Type Successfully Added

Okay!

Save Cancel Demo

localhost:3000/Food/



Chicago Pizza, also known as Chicago-style deep-dish pizza, is a unique and iconic style of pizza that originated in the city of Chicago, United States. It is characterized by its deep, thick, and buttery crust, which is loaded with cheese, sauce, and toppings. It is made with a high-fat content dough that is pressed into a deep round pan or skillet. The crust is thick and sturdy, providing a substantial base to hold the toppings. The crust is layered with toppings in reverse order compared to traditional pizzas. The cheese is placed directly on the dough, followed by other ingredients such as meat, vegetables, and sauce. The sauce is then added on top, creating a distinct and visually appealing "topping on the bottom" style.

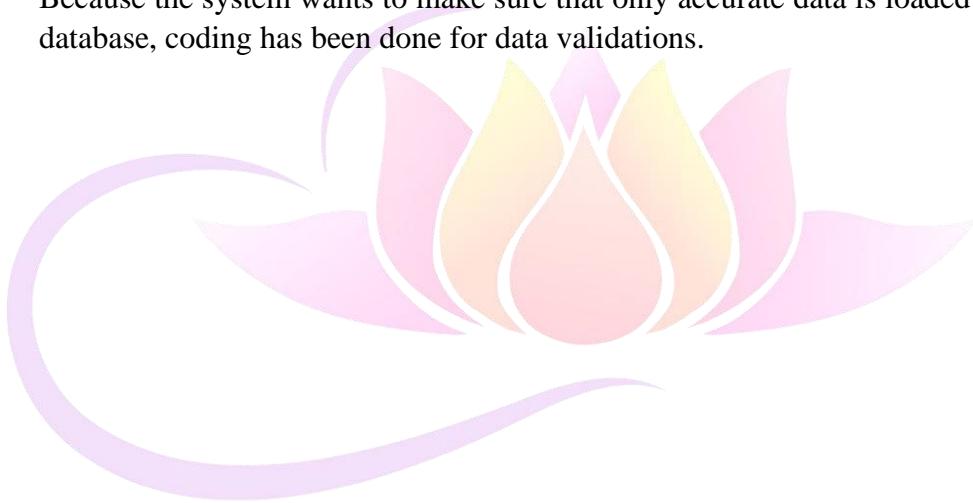
Order Now

Fetta Cottage Cheese Pizza



Implementation

- The chance to watch the plans come to fruition is provided by implementation. During the implementation stage, the modules were coded, and the team used bootstrap and Visual Studio Code as the development environment. Given that the data contained in the database is real-time, Mongo DB was selected as the database management system.
- When retrieving some database components, the same method may be used more than once, thus some of the critical queries to access the database are coded individually in a shared folder. As a result, some scripts may have been repeated.
- The deployed modules include those for managing hotel rooms, banquet halls, restaurants, transport, room reservations, employee management systems, inventories, and services.
- To make things simpler, these modules are further separated into sub-modules. Because the system wants to make sure that only accurate data is loaded into the database, coding has been done for data validations.



Testing

Room reservation Management

Project ID: ITP_WD_B06_G14 Project Name: Gayana Hotel – Hotel Management System Testing Function: Login to Vehicle Booking page								
Test case ID: M00x			Test case designed by ID No: IT21509186 Name: Silva H.G.L.R					
Test Priority (High/Medium/Low)			High					
Test Description: This test case verifies the functionality of successfully login to vehicle booking page to the Gayana Hotel Management System.								
Test Steps: <ol style="list-style-type: none"> 1. Navigate to login page 2. click login in navbar 3. Fill details 4. Click login button 								
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments			
M00x	Valid login credentials with valid email and password.	The user should be successfully logged into the wedding page and redirected to the wedding homepage. Email and user is displayed in nav bar .	The user successfully logged into the wedding page and redirected to the wedding homepage. Email and user is displayed in nav bar .	Pass	Log in,logou function is working properly			
M00x	Enter invalid credentials (incorrect email or password).	It should Display error message indicating entering invalid credentials and user can't logged in.	It is Displaying error message indicating entering invalid credentials and user can't logged in.	Pass	Need valid credentials to login in to system.			

Project ID: ITP_WD_B06_G14								
Project Name: Gayana Hotel – Hotel Management System								
Testing Function: Add Wedding details to Wedding page and Booking wedding.								
Test case ID: M00xx			Test case designed by ID No: IT21469046 Name: Adhikari A.M.N.H					
Test Priority (High/Medium/Low)			Medium					
Test Description: This test case verifies the functionality of adding wedding details to the Gayana Hotel Management System.								
Test Steps: <ol style="list-style-type: none"> 1. Login System 2. Navigate to wedding details page 3. Click plan wedding button 4. Fill the form 5. Click submit Button 								
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments			
M00xx	Enter valid details of date, guest count, name and etc.	The user should successfully submit data to our database without any error.	The user successfully submitted data to our database without any error.	Pass	Data insert function working without any error.			
M00xx	Submit data Without fill all dropdown and columns.	It should Display error message indicating please fill all the filed submitted your data	It's Display error message indicating please fill all the filed submitted your data.	Pass	Need to fill all the data with relevant details to submit the data.			

Table 1 Room reservation Management

Wedding

Project ID: ITP_WD_B06_G14 Project Name: Gayana Hotel – Hotel Management System Testing Function: Add Room									
Test case ID: M101		Test case designed by ID No: IT21489464 Name: Navojith T							
Test Priority (High/Medium/Low)		Medium							
Test Description: This test case verifies the functionality of adding a room to the Gayana Hotel Management System.									
Test Steps: <ol style="list-style-type: none"> 1. Login System 2. Navigate add vehicle page 3. fill the data 4. click the submit button 									
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments				
M0101	Valid room type, price, Category, Description	Details of new room should be visible on the room List interface	Details of new room should be visible on the room List interface	Pass	Add room's function is working properly				
M0101	Empty price	'Please enter price'	'Please enter price'	Pass	Valid details should be entered to successfully add rooms.				

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Update Room

Test case ID: M102

Test case designed by
ID No:IT21489464
Name: Navojith T

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of updating a room to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate to room page
3. Click Edit Button
4. Update data
5. Click Update Button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M102	Valid room type, price, Category, Description	Details of new room should be visible on the room List interface	Details of new room should be visible on the room List interface	Pass	Update room function is working properly
M102	Empty price	‘Please enter price’	‘Please enter price’	Pass	Valid details should be entered to successfully update room

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add room Reservation

Test case ID: M103

Test case designed by
ID No:IT21489464
Name: Navojith T

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of adding reservation to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate to Item Page
3. Click add Supplier Button
4. Fill fields
5. click submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M003	Valid customer name,date,number of people,number of days,email,status	Details of new customer should be visible on the reservation interface	Details of new customer should be visible on the reservation interface	Pass	Add customer function is working properly.
M003	Valid customer name, number of days and Invalid email	‘Please enter name, number of days. And ‘Please enter email’	‘Please enter name, number of days. And ‘Please enter email’	Pass	Valid details should be entered to successfully add customer.

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Login to Wedding page

Test case ID: M00x

Test case designed by

ID No: IT21469046

Name: Adhikari A.M.N.H

Test Priority (High/Medium/Low)

High

Test Description: This test case verifies the functionality of successfully login to wedding page to the Gayana Hotel Management System.

Test Steps:

1. Navigate to login page
2. click login in navbar
3. Fill details
4. Click login button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M00x	Valid login credentials with valid email and password.	The user should be successfully logged into the wedding page and redirected to the wedding homepage. Email and user is displayed in nav bar.	The user successfully logged into the wedding page and redirected to the wedding homepage. Email and user is displayed in nav bar.	Pass	Log in,logou function is working properly
M00x	Enter invalid credentials (incorrect email or password).	It should Display error message indicating entering invalid credentials and user can't logged in.	It is Displaying error message indicating entering invalid credentials and user can't logged in.	Pass	Need valid credentials to login in to system.

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add Wedding details to Wedding page and Booking wedding.								
Test case ID: M00xx			Test case designed by ID No: IT21469046 Name: Adhikari A.M.N.H					
Test Priority (High/Medium/Low)			Medium					
Test Description: This test case verifies the functionality of adding wedding details to the Gayana Hall System.								
Test Steps: <ol style="list-style-type: none"> 1. Login System 2. Navigate to wedding details page 3. Click plan wedding button 4. Fill the form 5. Click submit Button 								
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments			
M00xx	Enter valid details of date, guest count, name and etc.	The user should successfully submit data to our database without any error.	The user successfully submitted data to our database without any error.	Pass	Data insert function working without any error.			
M00xx	Submit data Without fill all dropdown and columns.	It should Display error message indicating please fill all the filed submitted your data	It's Display error message indicating please fill all the filed submitted your data.	Pass	Need to fill all the data with relevant details to submit the data.			

Table 2 Wedding and Banquet Hall Management System

Project ID: ITP_WD_B06_G14							
Project Name: Gayana Hotel – Hotel Management System							
Testing Function: Update and submitted Wedding details.							
Test case ID: M00xx				Test case designed by ID No: IT21469046			
				Name: Adhikari A.M.N.H			
Test Priority (High/Medium/Low)				Medium			
Test Description: This test case verifies the functionality of update wedding details to the Gayana Hotel Management System.							
Test Steps: <ol style="list-style-type: none"> 1. Login System 2. Navigate to wedding details page 3. Click plan wedding button 4. Click view your details button 5. Click update Button 							
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments		
M00xx	Enter valid details for updated fields for update.	The user should successfully submit data and update data in our database without any error.	The user successfully submits data and update data in our database without any error.	Pass	Data update function working without any error.		
M00xx	Submit updated data Without filling all dropdowns and columns.	It should Display an error message indicating please fill all the filed submitted and update your data	It Displays an error message indicating please fill all the filed submitted your data.	Pass	Need to fill all the data with relevant details to update the data.		

Project ID: ITP_WD_B06_G14									
Project Name: Gayana Hotel – Hotel Management System									
Testing Function: Send an email to Event planner with details.									
Test case ID: M00xx		Test case designed by ID No: IT21469046 Name: Adhikari A.M.N.H							
Test Priority (High/Medium/Low)		Low							
Test Description: This test case verifies the functionality of send wedding details to the admin via email in Gayana Hotel System.									
Test Steps: <ol style="list-style-type: none"> 1. Login System 2. Navigate to wedding details page. 3. Click plan wedding button. 4. Click view your details button. 5. Click update Button. 6. Click Send email Button. 									
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments				
M00xx	Click a send email button after submitting and updating data.	The user should successfully send email to event planner without any error.	The user successfully send email to event planner without any error.	Pass	Email sent function Working without any error.				
M00xx	Click a send email button without submitting and updating data.	It should Display an error message indicating please fill all the filed submitted and update and send a email.	It Display an error message indicating please fill all the filed submitted and update and send a email.	Pass	Need to fill all the data with relevant details to Send a email to Event planner.				

Project ID: ITP_WD_B06_G14									
Project Name: Gayana Hotel – Hotel Management System									
Testing Function: Add menu and dessert details to the web application									
Test case ID: M00xx		Test case designed by ID No: IT21469046 Name: Adhikari A.M.N.H							
Test Priority (High/Medium/Low)		Medium							
Test Description: This test case verifies the functionality of adding menu details to the Gayana Hotel System.									
Test Steps: <ol style="list-style-type: none"> 1. Login to the admin System 2. Navigate to wedding and banquet hall management 3. Click plan add menus and dessert 4. Fill the details 5. Click submit Button 									
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments				
M00xx	Enter valid details of menu type, menu no, menu description	The admin should successfully submit data to system database without any errors.	The admin successfully submitted data to system database without any errors.	Pass	Data insert function working without any error.				
M00xx	Submit data Without fill all columns.	It should Display error message indicating please fill all the filed submitted your data	It's Display error message indicating please fill all the filed submitted your data.	Pass	Need to fill all the data with relevant details to submit the data.				

Project ID: ITP_WD_B06_G14							
Project Name: Gayana Hotel – Hotel Management System							
Testing Function: Update and submitted menu and Dessert details.							
Test case ID: M00xx				Test case designed by ID No: IT21469046			
				Name: Adhikari A.M.N.H			
Test Priority (High/Medium/Low)				Medium			
Test Description: This test case verifies the functionality of update menu and dessert details to the Gay Hotel System.							
Test Steps: <ol style="list-style-type: none"> 1. Login to the admin System 2. Navigate to wedding and banquet hall management 3. Click plan add menus and dessert 4. Click update details 5. Click submit Button 							
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments		
M00xx	Enter valid menu and dessert details for updated fields for update.	The admin should successfully submit data and update data in system database without any error.	The admin successfully submits data and update data in system database without any error.	Pass	Data update function working without any error.		
M00xx	Submit updated data Without filling all columns.	It should Display an error message indicating please fill all the filed submitted and update your data	It Displays an error message indicating please fill all the filed submitted your data.	Pass	Need to fill a the data with relevant data to update the data.		

Transport Management

Table 3. Transport Management
Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add Vehicle

Test case ID: M301	Test case designed by ID No: It21509186 Name: Silva H.G.L.R
Test Priority (High/Medium/Low)	Medium

Test Description: This test case verifies the functionality of adding a vehicle to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate add vehicle page
3. fill the data
4. click the submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M301	Valid vehicle name,dash number,price, Category, Description	Details of new vehicle should be visible on the vehicle List interface	Details of new vehicle are visible on the vehicle List interface	Pass	Add vehicle function is working properly.
M301	already exists vehicle dash number and Empty category	‘Vehicle dash number already exists and please enter category’	‘Vehicle dash number already exists and please enter category’	Pass	Valid details should be entered to successfully add vehicle.

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Update Vehicle

Test case ID: M301

Test case designed by

ID No: IT21509186

Name: Silva H.G.L. R

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of updating a vehicle to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate to room page
3. Click Edit Button
4. Update data
5. Click Update Button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M301	Valid vehicle name,dash number,price, Category, Description	Details of new vehicle should be visible on the vehicle List interface	Details of new vehicle should be visible on the vehicle List interface	Pass	Update vehicle function is working properly.
M301	already exists vehicle dash number and Empty category	‘Vehicle dash number already exists and please enter category’	‘Vehicle dash number already exists and please enter category’	Pass	Valid details should be entered to successfully update the vehicle.

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add vehicle booking

Test case ID: M303

Test case designed by

ID No: IT21509186

Name: Silva H.G.L.R

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of adding booking to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate to Item Page
3. Click add Supplier Button
4. Fill fields
5. click submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M003	Valid client Name, NIC, vehicle type, days	Details of new client should be visible on the booking interface	Details of new client should be visible on the booking interface	Pass	Add client function is working properly.
M003	Valid client Name, NIC, and Invalid days	‘Please enter Name, NIC. And ‘Please enter days ’	‘Please enter Name, NIC. And ‘Please enter days ’	Pass	Valid details should be entered to successfully add client.

Billing and Invoice Management Test Case

Table 4: Billing and Invoice Management Test Case

<p>Project ID: TTP_WD_B06_G14</p> <p>Project Name: Gayana Hotel – Hotel Management System</p> <p>Testing Function: Add Invoice</p>									
<p>Test case ID: M401</p>		<p>Test case designed by ID No: IT21361340 Name: Fernando K. A.T. N</p>							
<p>Test Priority (High/Medium/Low)</p>		<p>Medium</p>							
<p>Test Description: This test case verifies the functionality of adding an Invoice to the Gayana Hotel Management System.</p>									
<p>Test Steps:</p> <ol style="list-style-type: none"> 1. Login System 2. Navigate add Invoice page 3. fill the data 4. click the submit button 									
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments				
M401	Valid invoice number, due date, running total, tax code, subtotal	Details of the new invoice should be visible on the invoice List interface	Details of new invoice are visible on the invoice List interface	Pass	Add Invoice function is working properly				
M401	Already exists invoice number and Empty running total	Please enter invoice number and running total	Please enter invoice number and running total	Pass	Valid details should be entered to successfully add an invoice.				

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Update Invoice

Test case ID: M402

Test case designed by

ID No: IT21361340

Name: Fernando K. A.T. N

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of adding an Invoice to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate add Invoice page
3. Click Edit Button
4. Update data
5. Click Update Button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M402	Valid invoice number, due date, running total, tax code, subtotal	Details of the new invoice should be visible on the invoice List interface	Details of new invoice are visible on the invoice List interface	Pass	Update Invoice function is working properly
M402	Already exists invoice number and Empty running total	Please enter invoice number and running total	Please enter invoice number and running total	Pass	Valid details should be entered to successfully update invoice.

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add Taxes and Discounts

Test case ID: M403

Test case designed by

ID No: IT21361340

Name: Fernando K. A.T. N

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of adding an Invoice to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate add Tax and discount page
3. fill the data
4. click the submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M403	Valid invoice number, name, tax code, rate type, rate amount	Details of the new tax and discount should be visible on the invoice List interface	Details of new tax and discount are visible on the invoice List interface	Pass	Add taxes and discount function is working properly
M403	Already exists invoice number and Empty tax code	Please enter tax and discount.	Please enter tax and discount.	Pass	Valid details should be entered to successfully add an invoice.

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Update Taxes and Discounts

Test case ID: M404

Test case designed by

ID No: IT21361340

Name: Fernando K. A.T. N

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of adding an Invoice to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate add Tax and discount page
3. Click Edit Button
4. Update data
5. Click Update Button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M404	Valid invoice number, name, tax code, rate type, rate amount	Details of the new tax and discount should be visible on the invoice List interface	Details of new tax and discount are visible on the invoice List interface	Pass	Update taxes and discount function is working properly
M404	Already exists invoice number and Empty tax code	Please enter tax and discount.	Please enter tax and discount.	Pass	Valid details should be entered to successfully update taxes and discount

Inventory and Supply Management Test Case

Table 5. Inventory and Supply Management Test Case

Project ID: ITP_WD_B06_G14								
Project Name: Gayana Hotel – Hotel Management System								
Testing Function: Add Category								
Test case ID: M001			Test case designed by ID No: IT21157400 Name: Gangabadage U. D					
Test Priority (High/Medium/Low)			Medium					
Test Description: This test case verifies the functionality of adding a category to the Gayana Hotel Management System.								
Test Steps:								
1. Login System 2. Navigate add category page 3. fill the data 4. click the submit button								
Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments			
M001	Valid Category Details Name, Store Location, Rack and Description	Details of new Category should be visible on the Category List interface	Details of new Category are visible on the Category List interface	Pass	Add Category function is working properly			
M001	already exists Category Name and Empty Store Location	‘Category Name already exists and please enter Store Location’	‘Category Name already exists and please enter Store Location’	Pass	Valid details should be entered to successfully add Category			

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Update Category

Test case ID: M002

Test case designed by

ID No: IT21157400

Name: Gangabadage U. D

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of updating a category to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate to Category page
3. Click Edit Button
4. Update data
5. Click Update Button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M002	Valid Category Details Name, Store Location, Rack and Description	Details of update Category should be visible on the Category List interface	Details of update Category are visible on the Category List interface	Pass	Update Category function is working properly
M002	already exists Category Name and Empty Store Location	‘Category Name already exists and please enter Store Location’	‘Category Name already exists and please enter Store Location’	Pass	Valid details should be entered to successfully update Category

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add Supplier

Test case ID: M003

Test case designed by

ID No: IT21157400

Name: Gangabadage U. D

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of adding Supplier to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate to Item Page
3. Click add Supplier Button
4. Fill fields
5. click submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M003	Valid Supplier Name, Address, Contact No., Email address	Details of new Supplier should be visible on the Supplier List interface	Details of new Supplier are visible on the Supplier List interface	Pass	Add Supplier function is working properly.
M003	Valid Supplier Name, Address, and Invalid email address and contact No.	‘Please enter valid email address’. And ‘Please enter Valid Contact No’	‘Please enter valid email address’. And ‘Please enter Valid Contact No’	Pass	Valid details should be entered to successfully add Supplier

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add Item

Test case ID: M004

Test case designed by

ID No: IT21157400

Name: Gangabadage U. D

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of adding Item to the Gayana Hotel Management System.

Test Steps:

1. Navigate to Item Page
2. Click add item button
3. Fill fields
4. click submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M004	Valid Item Name, Category, Quantity, Price, Supplier, Description	Details of new Item should be visible on the Item List interface	Details of new items are visible on the item List interface	Pass	Add item function is working properly.
M004	Valid Item Name, Price, Supplier, Description Invalid Category minus Quantity	‘Please Select valid category. And ‘Please enter positive value’	‘Please Select valid category. And ‘Please enter positive value’	Pass	Valid details should be entered to successfully add Item

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Update Item

Test case ID: M005

Test case designed by

ID No: IT21157400

Name: Gangabadage U. D

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of updating a item to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate to item page
3. Click Edit Button
4. Update data
5. Click Update Button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M005	Valid Item Name, Category, Quantity, Price, Supplier, Description	Details of update item should be visible on the item List interface	Details of update item are visible on the item List interface	Pass	Update item function is working properly.
M005	already exists item Name	‘Category Name already exists’	‘Category Name already exists,	Pass	Valid details should be entered to successfully update successfully

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Create order

Test case ID: M006

Test case designed by

ID No: IT21157400

Name: Gangabadage U. D

Test Priority (High/Medium/Low)

High

Test Description: This test case verifies the functionality of a creating order to the Gayana Hotel Management System.

Test Steps:

1. Navigate to order Page
2. Click create order button
3. Fill fields
4. click create order button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M006	Valid select Item Name, quantity, and order note.	Details of new order should be visible on the order List interface	Details of new order are visible on the order List interface	Pass	Create order function is working properly.
M006	Valid select Item Name, and order note. Invalid, quantity	‘Please enter positive Number’	‘Please enter positive Number’	Pass	Valid details should be entered to successfully create Order

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Quick Stock Release

Test case ID: M007

Test case designed by

ID No: IT21157400

Name: Gangabadage U. D

Test Priority (High/Medium/Low)

Medium

Test Description: This test case verifies the functionality of a quick Stock Release to the Gayana Hotel Management System.

Test Steps:

1. Navigate to item Page
2. Click Stock release button
3. Fill fields or scan qr code
4. click update button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M007	Valid Qr Scan and fill the “How many Stock are release?”	Stock of updated item should be visible on the item List interface	Stock of updated order are visible on the item List interface	Pass	Quick Stock Release function is working properly.
M007	Valid select Item Name, and order note. Invalid Qr Scan	‘Please scan Valid Qr code only’	‘Please scan Valid Qr code only’	Pass	Valid details should be entered to successfully Quick Stock Release

Customer Relationship Management System

Table 6 Customer Relationship Management System

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add Customers

Test case ID: M007	Test case designed by ID No: IT21360428 Name: Monali G.M.N.
Test Priority (High/Medium/Low)	High

Test Description: This test case verifies the functionality of adding a customer to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate add customer page
3. fill out the add customer form
4. click on the submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M601	Valid customer Details Booking Reference, Name, NIC, Date of birth, Telephone, Email, Address, Country	Details of the new customer should be visible on the customer details interface	Details of new customer are visible on the customer details interface	Pass	Adding customer details function is working successfully
M601	Valid email, date of birth, name, telephone, address Invalid, Email	‘Please enter a valid email address with @’ ‘Please fill all the lines’	‘Please enter valid email address with @’ ‘Please fill all the lines’	Pass	Valid details should be entered successfully and add customer to the system

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Update Customers

Test case ID: M602	Test case designed by ID No: IT21360428 Name: Monali G.M.N.
Test Priority (High/Medium/Low)	Medium

Test Description: This test case verifies the functionality of updating customer to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate update customer page
3. fill out updated customer form
4. click on the submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M602	Valid customer Details Booking Reference, Name, NIC, Date of birth, Telephone, Email, Address, Country	Details of updated customer should be visible on the customer details interface	Details of updated customer are visible on the customer details interface	Pass	Updating customer details function is working successfully
M602	Valid email, date of birth, name, telephone, address Invalid, Email	‘Please enter a valid email address with @’ ‘Please fill all the lines’	‘Please enter a valid email address with @’ ‘Please fill all the lines’	Pass	Valid details should be entered successfully and updated customer to the system

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add Feedback

Test case ID: M603	Test case designed by ID No: IT21360428 Name: Monali G.M.N.
Test Priority (High/Medium/Low)	Medium

Test Description: This test case verifies the functionality of adding feedback to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate add feedback page
3. fill out the add feedback form
4. click on the submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M603	Valid Feedback Details customerName, NIC, hearAboutHotel, reservationMethod, visitPurpose, serviceQuality, cleanliness, food, staff, overallExperience, suggestions	Details of new feedback should be visible on the feedback details interface	Details of new feedback are visible on the feedback details interface	Pass	Adding feedback details function is working successfully

Project ID: ITP_WD_B06_G14

Project Name: Gayana Hotel – Hotel Management System

Testing Function: Add Support Ticket

Test case ID: M604	Test case designed by ID No: IT21360428 Name: Monali G.M.N.
Test Priority (High/Medium/Low)	Medium

Test Description: This test case verifies the functionality of adding a ticket to the Gayana Hotel Management System.

Test Steps:

1. Login System
2. Navigate add support ticket page
3. fill the add support ticket form
4. click on the submit button

Test ID	Test Inputs	Expected Outputs	Actual Output	Result (Pass/Fail)	Comments
M601	Valid customer Details customerName, NIC, email, category, subject, description	Details of new support ticket should be visible on the support ticket details interface	Details of new support ticket are visible on the support ticket details interface	Pass	Adding ticket details function is working successfully
M601	Valid email, ,name,NIC Invalid, Email	‘Please enter valid email address with @’ ‘Please fill all the lines’	‘Please enter valid email address with @’ ‘Please fill all the lines’	Pass	Valid details should be entered successfully and add ticket to the system

Employee Management

Project ID: ITP_WD_B06_G14									
Project Name: Gayana Hotel – Hotel Management System									
Testing Function: Add Employees									
Test case ID: M001		Test case design by ID No: IT213 05214 Name: Dias A.H.S.G							
Test Priority (High/Medium/Low)		Medium							
Test Description: This test case verifies the functionality of adding an employee to the Gayana Hotel Management System.									
Test Steps: <ol style="list-style-type: none"> 1. Login System 2. Navigate add employee page 3. fill the add employee form 4. click on the submit button 									
Test ID	Test Inputs	Expected Output	Actual Output	Result (Pass/Fail)	Comments				
M001	Valid employee Details First Name, Last Name, Date of birth, Address, Telephone, Email	Details of new employee should be visible on the employee details interface	Details of new Category are visible on the employee details interface	Pass	Adding employee details function is working successfully				

M001	Valid email, date of birth, name, telephone, address Invalid, Email	‘Please enter valid email address with @’ ‘Please fill all the lines’	‘Please enter valid email address with @’ ‘Please fill all the lines’	Pass	Valid details should be entered successfully and add employee to the system
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Table 7 Employee Management



Restaurant Management

Project ID: ITP_WD_B06_G14								
Test Case ID:N001			Test Case Designed By ID NO :IT21913860 Name: Natasha W.L.R					
Test Priority (High/Medium/Low)			Medium					
Test Description: This test case verifies the functionality of adding menu items to the Gayana Hotel Management System.								
Steps: <ol style="list-style-type: none"> 1. Admin login to the website . 2. Visit to admin dashboard. 3. Click on Restaurant Menu Management Function 4. Fill the add menu details form 5. Click on submit button 								
Test ID	Test Inputs	Expected Outputs	Actual Output	Result(Pass/Fail)	Comments			
N001	Menu Name: Chicago Pizza Category: Pizza Price: Rs.2200.00 Menu No : 3 Description:	Menu Item Added	Food Item Added Successfully	pass	Adding menu items function is working successfully.			
N002	Menu Name: Asparagus Salad Category: Pizza Price: Rs.2500.00 Menu No : 4 Description:	Menu Item Added	Food Item Added Successfully	pass	Adding menu items function is working successfully.			

Table 8 Restaurant Management

Test Case ID:N003							
Test Case Designed By ID NO :IT21913860 Name: Nathasha W.L.R							
Test Priority (High/Medium/Low)				Medium			
Test ID	Test Inputs	Expected Outputs	Actual Output	Result(Pass /Fail)	Comments		
N003	Menu Name: Chicago Pizza Category: Pizza Price:Rs.2500.00 Menu No : 3 Description:	Menu Item Added	Food Item Added Successfully	pass	Adding menu item function is working successfully.		

Evaluation

Assessment of the project

This hotel management system for “Hotel Gayana” and its user-friendly interfaces have been created using MERN STACK using Visual Studio. To improve gadget usability, several photos are frequently utilized as icons with brief explanations. After successfully entering their login information, users are then taken to the site's primary pages, from which they can select the actions they want the system to take.

Error messages will be displayed for erroneous data entry, computations, data retrieval, and general system problems, and these error messages will be displayed in plain texts. In order to prevent problems from arising in the first place, the system has been meticulously designed, but if they occur, the system would first. Using error management techniques like managing exceptions, look for error-prone situations one by one in each code block.

The database contains data specific to the system and website functions, allowing for an evaluation of the database's contents and the setting of appropriate future objectives. Additionally, all mathematical computations are performed using Java Script for convenience. Due to our system's efficacy, efficiency, and ease of information retrieval, our hotel management system, "Hotel Gayana," is much too far ahead of other hotels in the competition area.

Lessons Learned

When we were working on this project, we discovered a number of crucial lessons. The most crucial factor is how successfully we communicate with clients and other users. They play a key role in providing us with a clear system requirement and project perspective. Another reality is that we acquired teamwork skills in accordance with our working management schedule. Without effective teamwork, we couldn't have finished the job successfully.

Future Work

We will complete a complete work based on the lessons we learned from this present project for the future work. And we'll work more effectively on forthcoming initiatives

than we did on this one. We were aware of our mistakes and where they originated within our time frame, so we took steps to reduce them as soon as possible.

Conclusion

Since we were novices in areas like creating HTML that is accessible via browsers other than Chrome and Safari, the team came to the table with a strong working understanding of the ideas represented in the supplied guidance. One of the biggest disadvantages we had to overcome right away from a place of ignorance was having to be aware of the hotel procedure. We then made the decision to research our resources and customer requirements. We then made the decision to call the customer. Then, we might specify the services and what the clients should anticipate from them. When we were building certain websites, we made several errors. We used several website references to achieve suitable coding. From several sources, we obtained some references. Our senior students' ITP seminar provided us with some further project-related inspiration. We gained an understanding of the development industry through the excitement of problem-solving and the pleasure of working.

We had a fantastic learning experience when taking a crack at this provider of hotel management systems. Through this project, we experienced the many phases of mission improvement and gained a thorough understanding of the world of software engineering. However, there were a few problems as we worked on this project. Examples include a lack of group experience, improper goal and objective characterization, difficulties with cooperation, and the proper implementation of executive programming. Since the project was successful, thanks to open resources like a library, course websites, and other pages, as well as the assistance of valuable people like our lecturers, senior citizens, etc.

References

You Tube - <https://www.youtube.com/>

Stack Overflow - <https://stackoverflow.com/>