

Hotel Management System
Diploma in Computer System Design
Final Project Documentation
2021.1F



School of Computing and Engineering
National Institute of Business Management
Colombo-7

Project title : Hotel Management System

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Name of the Program : Diploma in Computer System Design

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Date : 19/12/2022

This project is submitted in partial fulfillment of the requirement of the Diploma in Computer System Design of the National institute of business management.

Declaration

I certify that this project does not use any materials previously submitted for a diploma at any institution without acknowledgment, and to the best of our knowledge and belief, it does not contain any materials previously published or written by us or by another person, other than where appropriate citation is made in the text. Additionally, we agree that, if our project report is approved, the title and summary may be shared with outside organizations as well as made available for photocopying and interlibrary loans.

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Preamble

Abstract

The system aims at the maintenance and management of the different Hotels that are available in the different parts of the world. It mainly takes care of the Hotel management at the core area of the database. The system provides the information regarding the different Hotels that are available and their status specific to availability. Each registered guest can raise a request for the unit bookings. The Guests are scheduled with the information of the availability of the units for they have requested the time.

So the purpose of our project was to implement such a system to replace the existing manual system of the Vila Ceylon hotel which will enable all the above mentioned features and benefits and to help the business reduce the problems they face through the existing system. The system is developed using Java which is a high-level programming language and My SQL database. Figma is the tool that is used to design the user interfaces and reports. NetBeans is the IDE used to code Java language and PHP My admin is the database tool used.

List of Keywords

- Receptionist
- Supervisor
- Manager
- Chairmen

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List of Acronyms and Abbreviations

- NIBM - National Institute of Business Management
- DCSD – Diploma in Computer System Design
- PK - Primary Key
- FK - Foreign Key
- HTML – Hypertext Markup Language
- UML – Unified Modeling Language
- SQL - Structured Query Language.

Acknowledgement

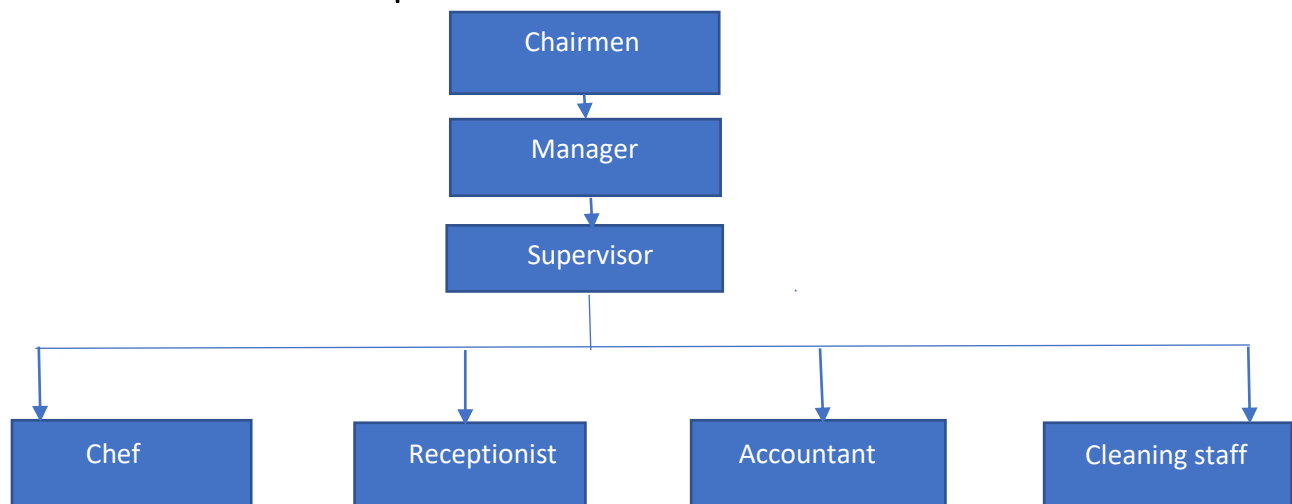
Initially, we would like to extend our heartiest thankfulness to School of Computing and Engineering of NIBM, for giving this challenging opportunity, where we were encouraged to apply what we have learned into practise through a project and to accomplish the end goal successfully. We like to convey our sincere thanks to all those who guided us in numerous ways in making this system study a success. The group members who gave their endless support until the end are also remarkably thanked. Our special thankfulness is rendered to our supervisor, who is also the course director of Higher National Diploma in Information Systems, Mr. K.V Narangoda for guiding and directing us throughout the study to make this project a success where he encouraged us a lot by giving advice for us to improve the project in a more professional and standard way. Last but not the least, we extend our thanks and gratitude for our parents, friends and everybody who involved with us directly and indirectly to help us in completing the project work. Thank you

Chapter 1: Introduction

1.1 Introduction of the Company

Vila Ceylon was started on 2016 September 15 in Katunayake, Negambo, Sri Lanka. It is a small-scale business. It is tourism oriented hotel that mainly focuses on tourists. It provides customers with room accommodations, Vehicles, Transportation, and a restaurant. In this hotel, there is a chairman, manager, supervisor, receptionist chef, and cleaning staff who're working together to take their smaller business to success. The chairmen and manager keep track of all the records of customers, payments, suppliers, materials, and staff.

1.2 Organizational Structure



1.3 Current Operations in the Organization

The existing system is a manual one. It uses papers and files to store data of customers, restaurants, payments, suppliers, materials, and staff. When a customer comes and asks to book a room staff member writes it in the customer details book. If a customer needs to get food and beverages from the restaurant they also write details in the restaurant details book. Payment details are maintained in another book. If the kitchen needs materials manager contact suppliers and spent money on it. After receiving the materials it's recorded in the details of the materials book and supplier details records in the supplier details book. They keep another two records books one for employee attendance and another one for calculating the employee's salary.

1.4 Users and Responsibilities Organization

1. Chairmen

- Getting strategic decisions with the manager.
- Examines the daily process of the hotel.

2. Manager

- Manager wants to adhere to the chairmen's commands.
- Spends money on materials.
- Examines and controls the daily process of the hotel.
- Giving commands to supervisors to supervise operational-level staff.

3. Supervisor

- Supervise operational-level staff
- Help to Manager to control the overall operations of the hotel.
- Handle the transportation service.

4. Chef

- Make the customer's food orders and satisfies the customer.
- If needs to fulfill the materials chef need to send a message to the manager through the supervisor.

5. Receptionist

- Give the great welcome to the customers. □ Mark attendance of the cleaning the staff.

6. Accountant

- Make the profit and loss statements.

7. Cleaning Staff

- Cleans the entire hotel to get customer satisfaction.

1.5 Problem Definition

The current manual system is difficult to manage because when they want to find customer details it consumes so much time to find them as they're written in a book. Since it is a manual one sometimes, they're getting the wrong bill amounts. It is also less secure than data of bookings and customers can be lost or stolen by any person who comes to the hotel. If the books are subject to any outside factor like water, the information will be lost. Data duplication is also another problem that they're frequently facing. If the customer asks to update any customer details like his/her phone number, the old number from the customer's details book will be erased and updated but, in the payment, the details book won't be updated since they forget sometimes to update it.

1.6 Project Objectives

This software solution attempt to cover all operations that occurs in the hotel's daily operation. It is all identified, from employee management to booking, floors, offices, and room type management, among other things. Our only aim is to make it easier to handle overall operations inside the hotel. We sought to demonstrate how data/information is processed in hotels in our project, Hotel Management System.

1.7 Proposed Solution

In identifying a solution for the problem discussed above, the following could be taken into consideration. The proposed solution is a computerized system that can make their tasks without any hesitation. It will make it easier for hotel staff.

Functional Requirements

- Admin can register or log in as an admin by providing their details.
- Allowing the customers to view their bookings.
- Allowing selecting rooms with A/C or without A/C
- Can get discounts when a customer register and make their booking.
- Can show the total amount for the customer after their ordering process.
- Generate invoice after customers are done booking.
- Sending a booking confirmation invoice to the customer's Email and phone number.
- Management can see all hotel information like total bookings, total income, etc....
- Management can generate reports. Like Sales reports.
- Can check room availability
- Admin can change admins profile details
- Admin can change customer profile for request from the customer.
- Customers can make an order for food through the admin.
- Generate invoices for when they are orders food.
- Customers can reserve the vehicle for going to the airport.
- Generate an invoice for the customer after reserving the vehicle
- Admin can see the customer's reservation and if a customer needs any changes admin can update it.
- After the daily business software can calculate daily income. It will be help full for the Accountant.

Non - Functional Requirements

- Security

Customer and hotel data is always secured with a computerized system that is protected with passwords and usernames.

- Reliability

A computerized system is always more reliable than a manual one because it doesn't subject to physical damage.

- Usability

Nothing is more important than the usability of the software. We're planning to create a good-looking UI that will make customers' user experience to the next level.

- Manageability

This hotel has 3 main parts customer booking side, restaurant side, and transportation side. This software can manage the core processes of these three sides.

- Performance

Performance of this computerized system is much better than the earlier manual system as it is easy to use and more convenient for staff.

1.8 Chapter Summary

This chapter explained the introduction of the company, organizational structure, Current operations of the organization, problem definition when they use a manual system, project objectives in project objectives explained about what targets we want to achieve after the built this software, proposed solution in the proposed solution we explained about functional and non-functional requirements in this hotel management software.

Chapter 2: Methodology

2.1 Introduction

This chapter going to explain about what is the data collection method when used in during requirements gathering time, what software process model we are using, what software development tools we are going to use, what are testing strategies going to use, and an explanation of this software implementation plan.

2.2 Data Collection Methods

In requirements gathering time we used our data collection methods as

- Interviews
- Observation

2.3 Software Process Model

We are using our software process model as a waterfall model. The waterfall model relies on teams following a sequence of steps and never moving forward until the previous phase has been completed. This structure is suited to smaller projects with deliverables that are easy to define from the start that's why we using the waterfall model

2.4 Development Tools

The following technologies/tools are going to use in our hotel management development project.

1. NetBeans IDE 8.0.2

This platform has been selected due to the reason that it is suitable to develop an enterprise application.

2. PHP my admin

This platform has been selected due to the reason that it is suitable to create a database for an enterprise application.

3. Draw.io

This platform has been selected due to the reason that it is suitable to design the ER diagrams and UML diagrams that are needed in system design.

2.5 Testing Strategies

We are going to use White box testing as our testing strategy because white box testing can see the inside of the program and also easily can find the faults in the software. And also this software can generate invoices, in this case, we need to be accurate because if an invoice is incorrect it damages the hotel's financial side every invoice wants to generate accurately in white box testing we can easily find what are the faults software doing generating the invoices.

2.6 Implementation Plan

We are going to use a parallel approach because a parallel approach is always a new system to be used at the same time as the old system the two systems are said to be running in parallel. Before implementing software, the hotel is running on the manual system after the new software implementation process we need to get old data from the manual system so for the data migration process we need manual system data that's why we are going to use a parallel implementation approach.

2.7 Chapter Summary

This chapter explained about data collection method of our project, Software process model, Software development tools, Testing Strategies, and Implementation plan. We used our data collection methods as Interviews and observation and we are using our software process model as the waterfall model it's the most suitable model for our project and going to use our development tools such as Netbeans IDE, PHP my admin, and draw.io. Our implementation strategy is the parallel approach.

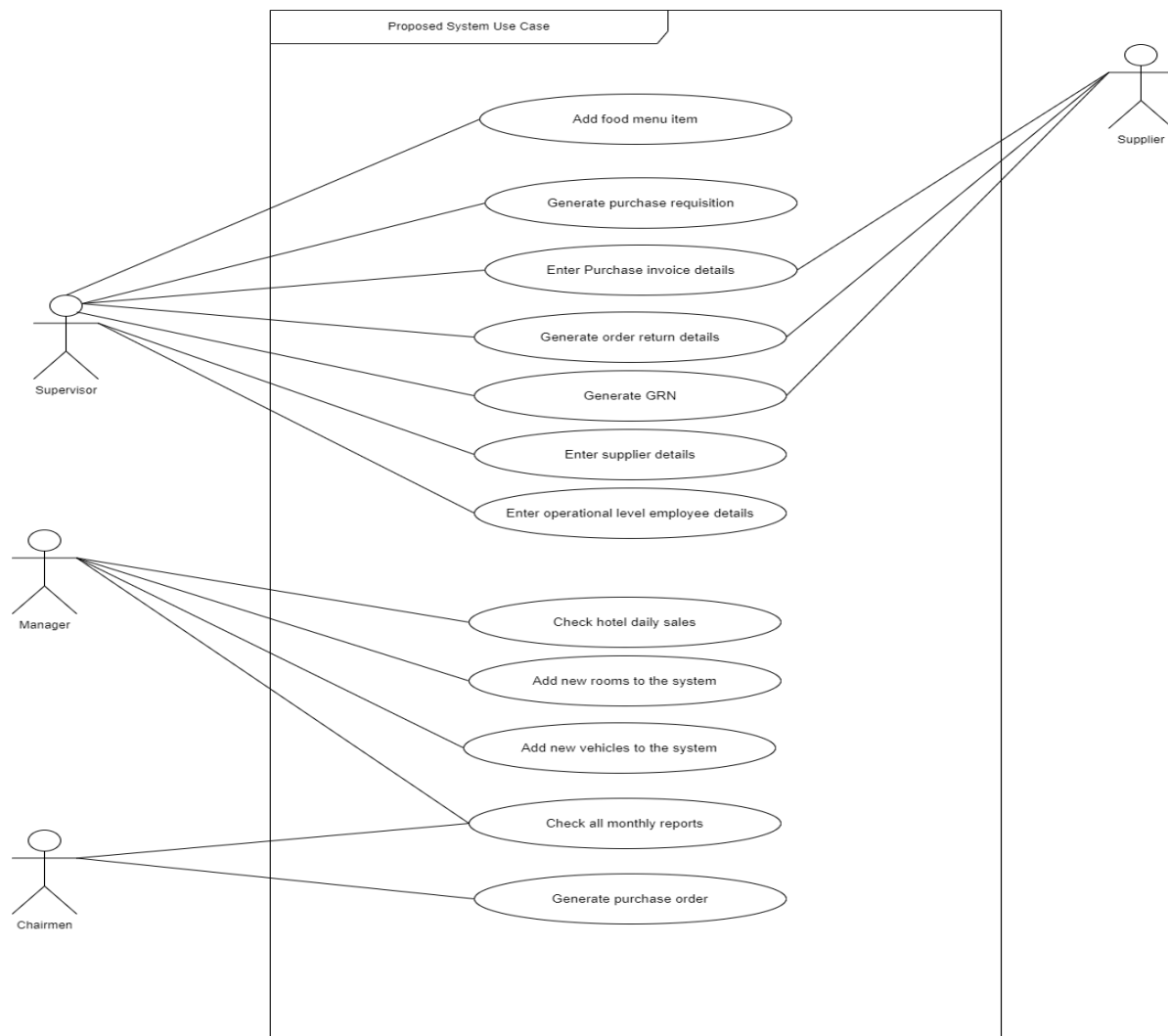
Chapter 3: Analysis

3.1 Introduction

A deep analysis of the existing system is done and after identifying the issues, a proposed system followed by the class diagram and ER diagram is designed in the Analysis phase. These issues are identified based on the interview done with the owner of the hotel and the diagrams are designed accordingly.

3.2 UML Diagrams

Figure 1: Use Case Diagram of Current System



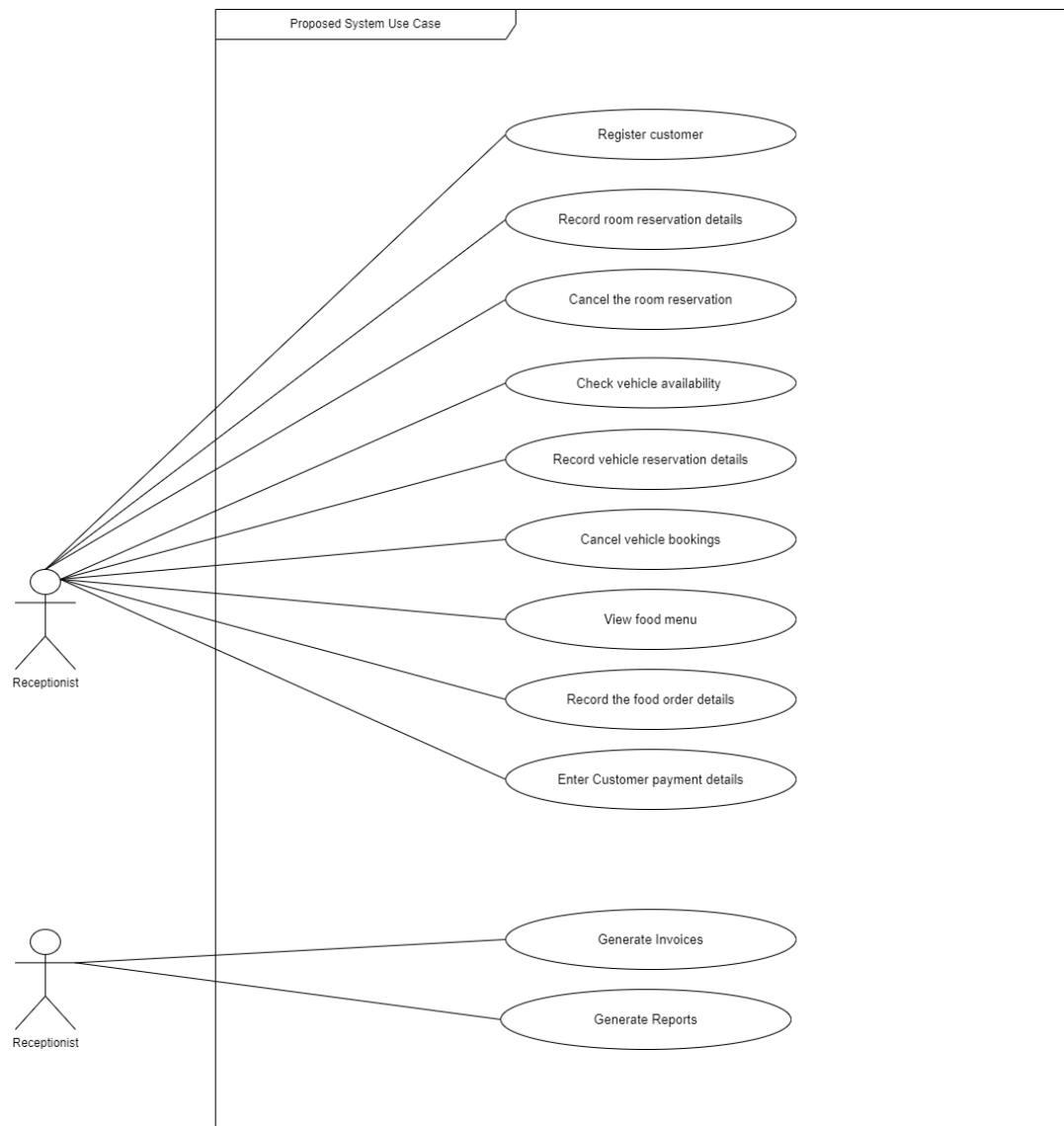


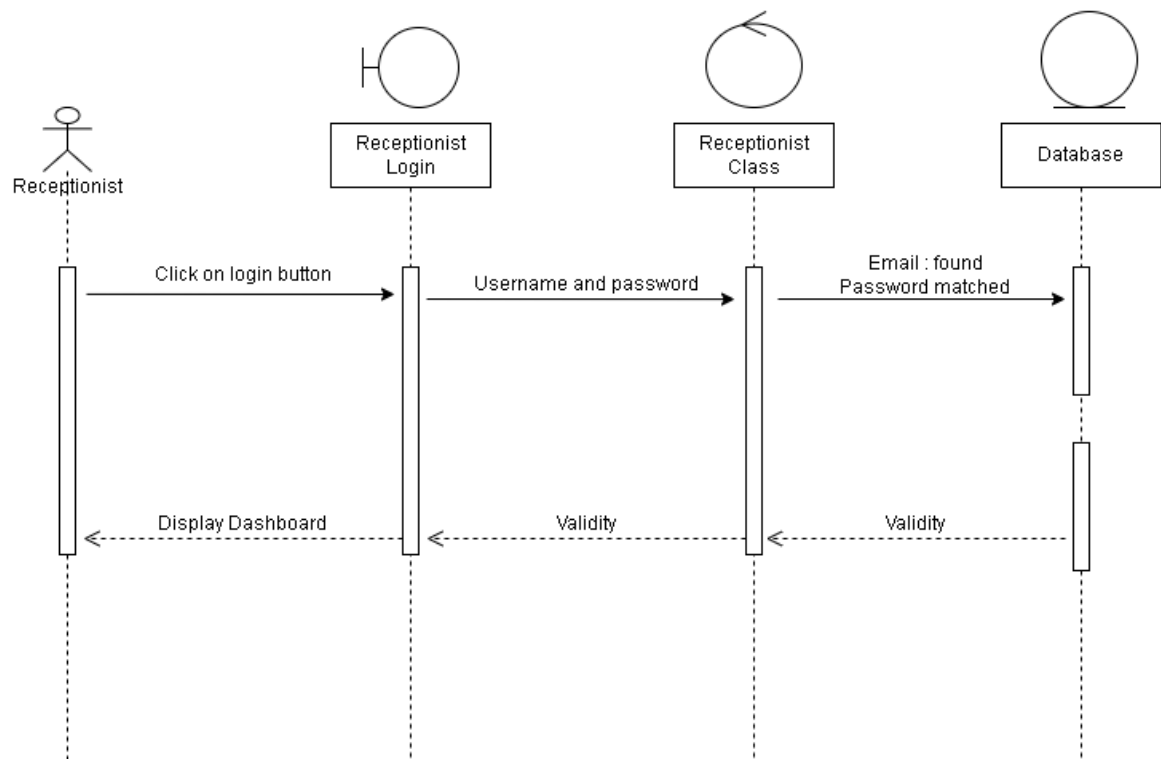
Figure 2: Use Case Diagram of Proposed System

Figure 3: Class Diagram of Proposed System

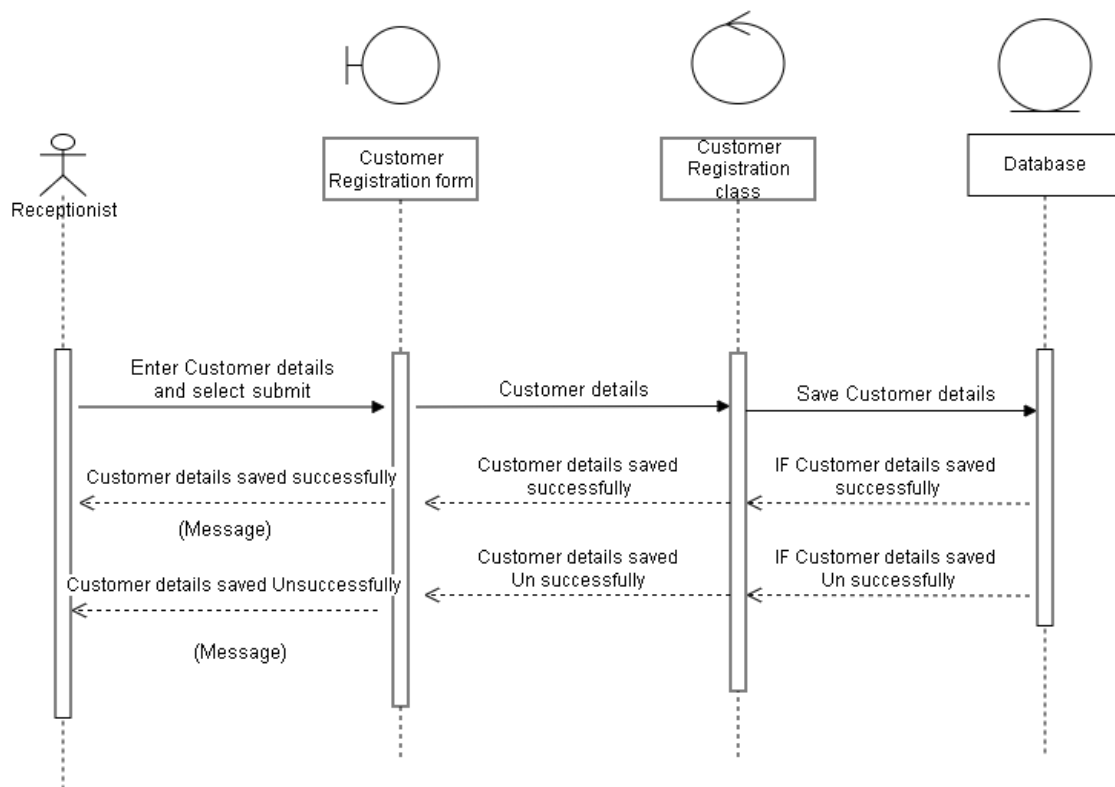
Figure 4: Sequence Diagrams (Each Use case) for Proposed System

Receptionist Sequence

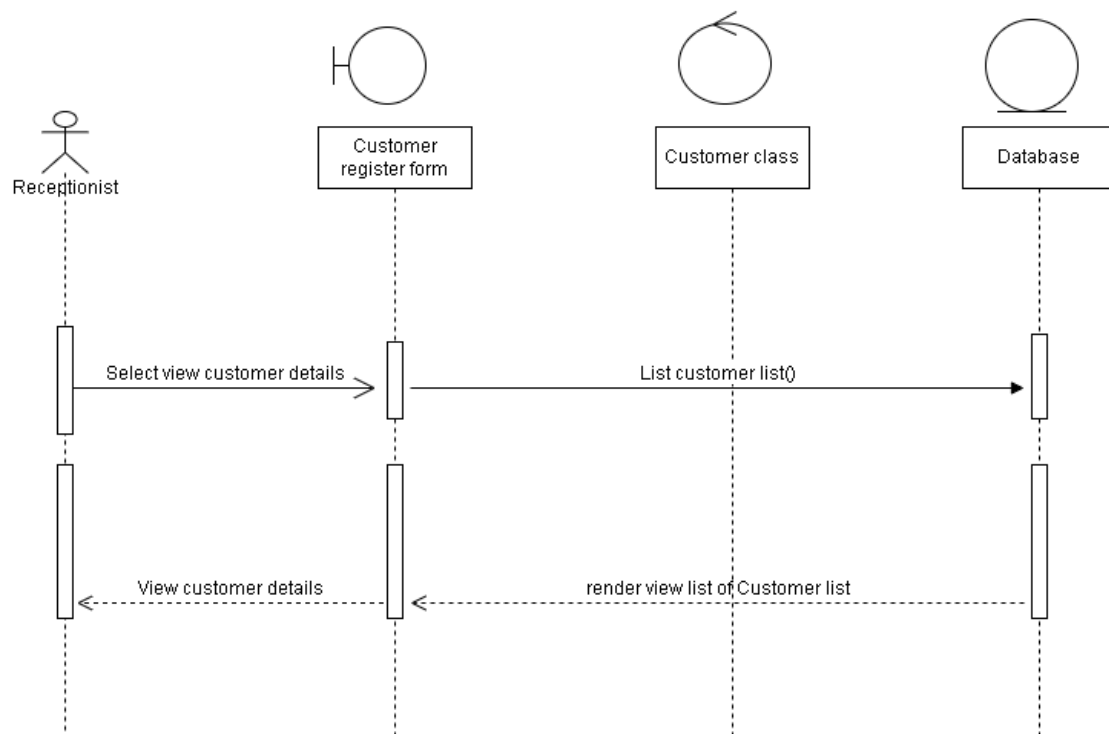
1.Sequence Diagram for receptionist login



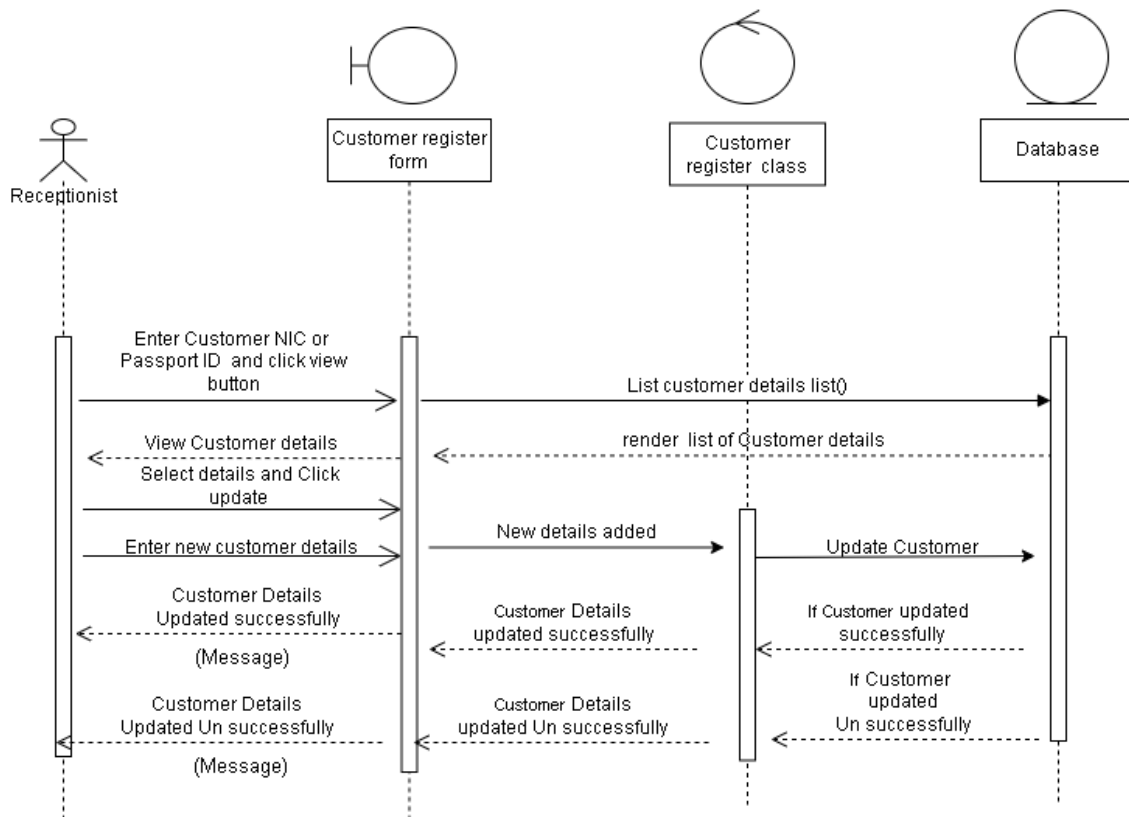
2. Sequence diagram for Register customer Details



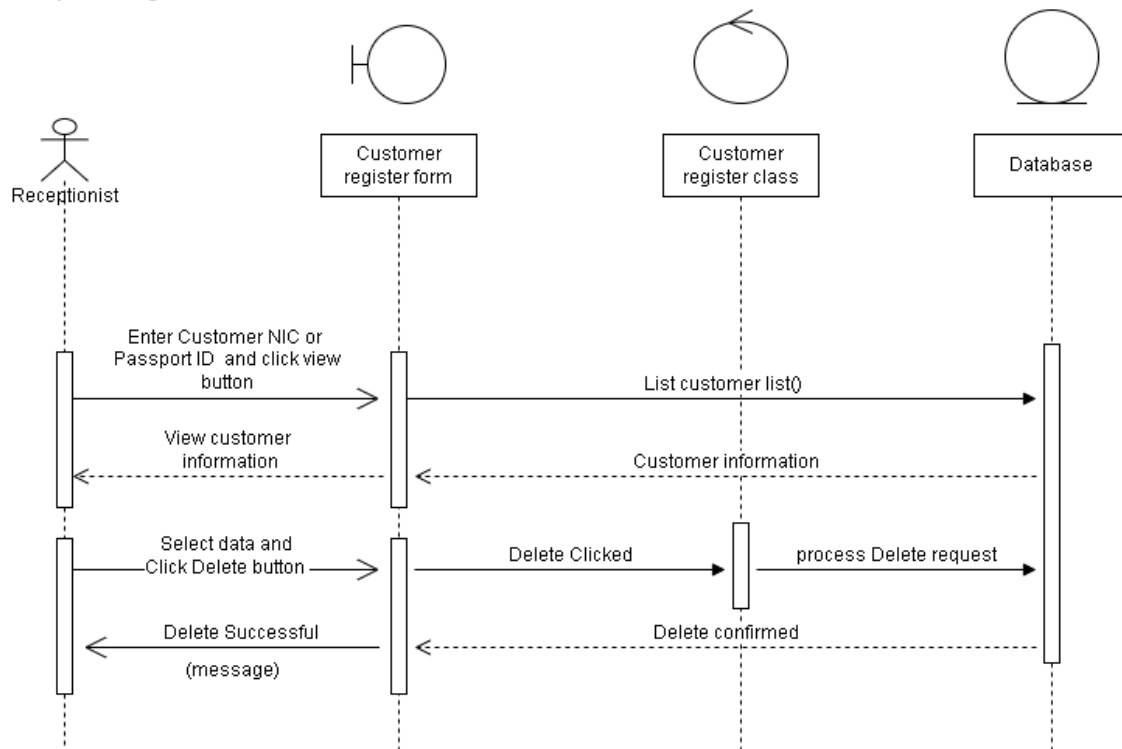
3. Sequence diagram for View customer Details



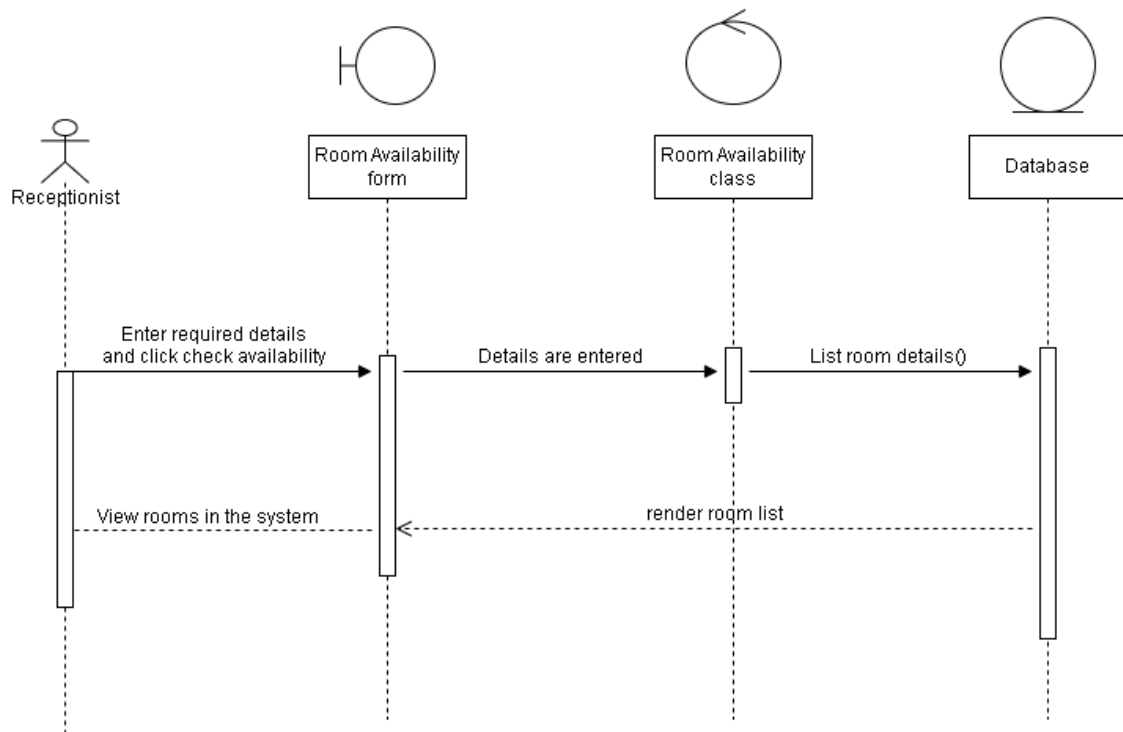
4. Sequence diagram to Update Customer details



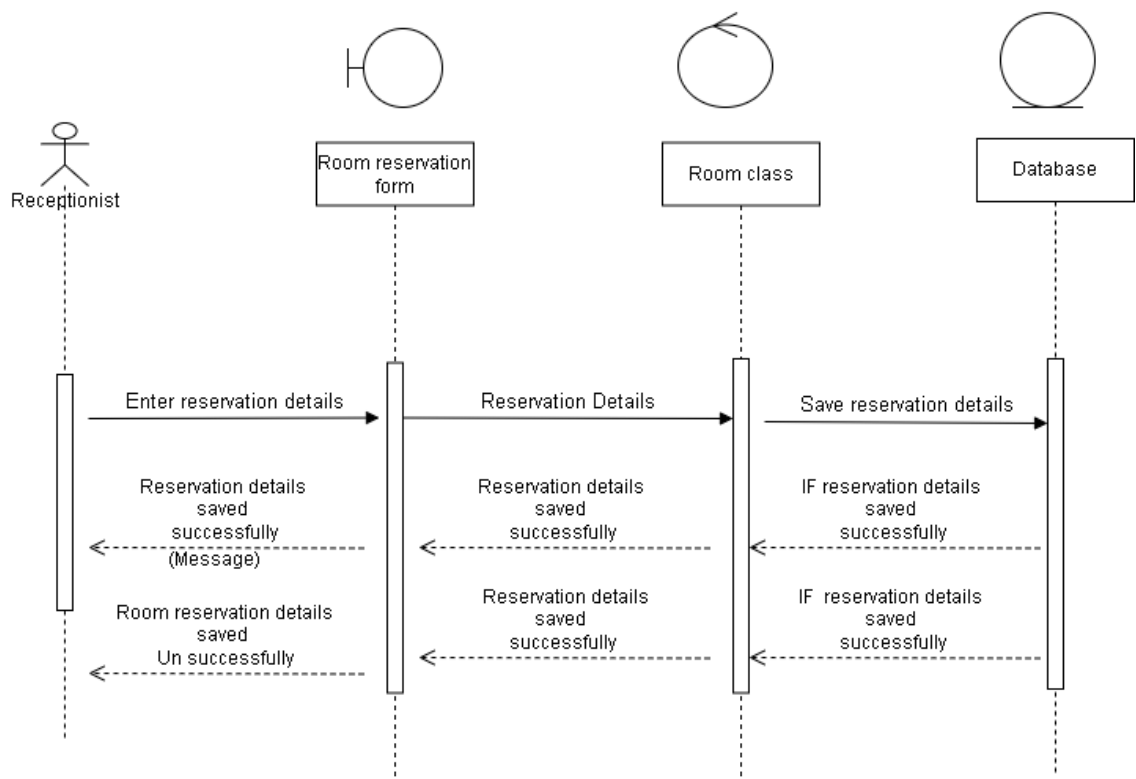
5. Sequence diagram to delete customer details



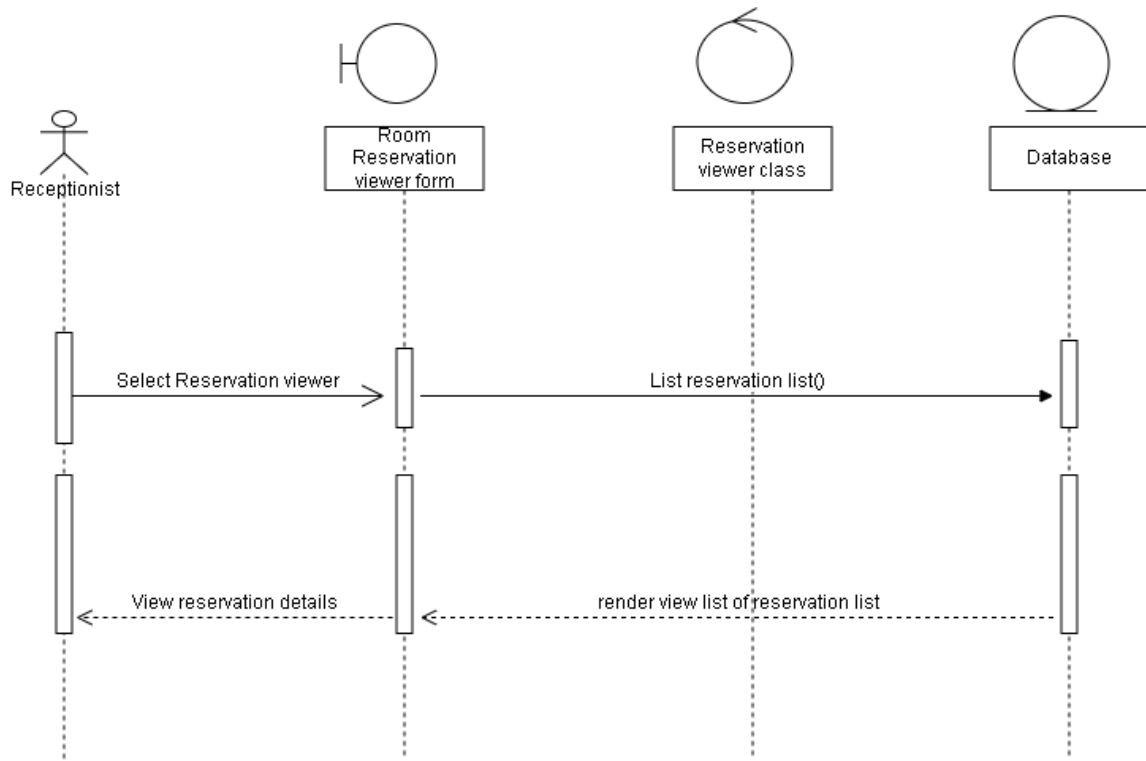
6. Sequence Diagram for check availability of rooms



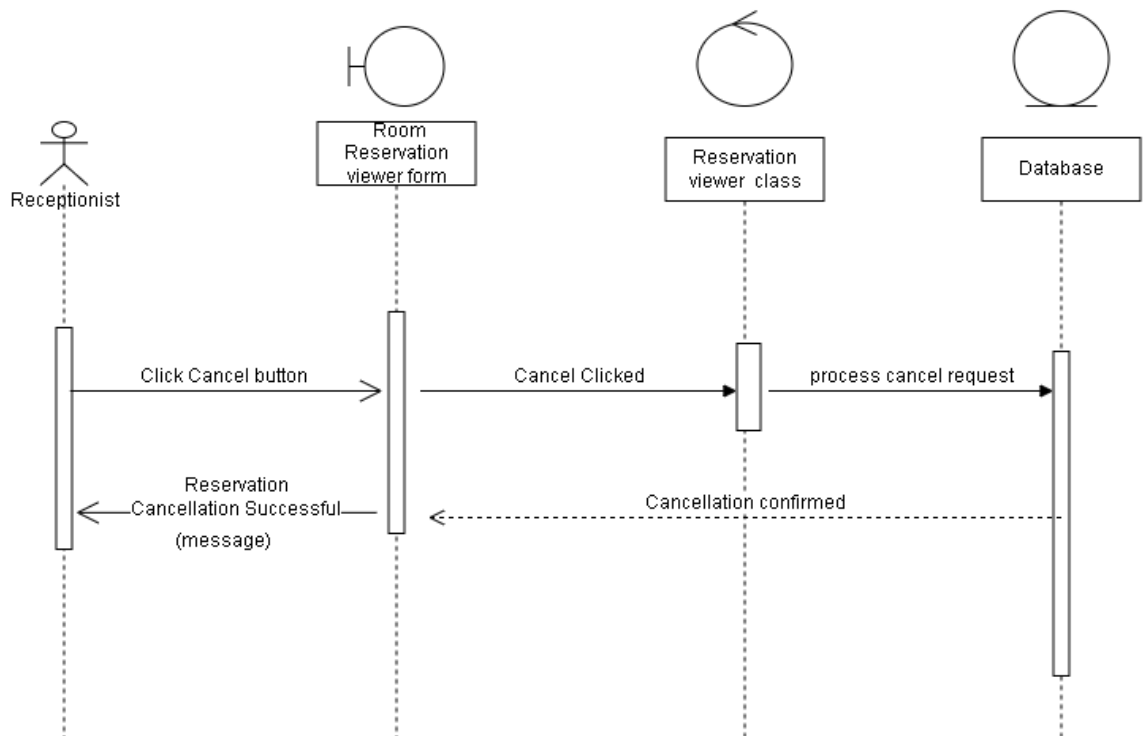
7. Sequence Diagram for Record room reservation details



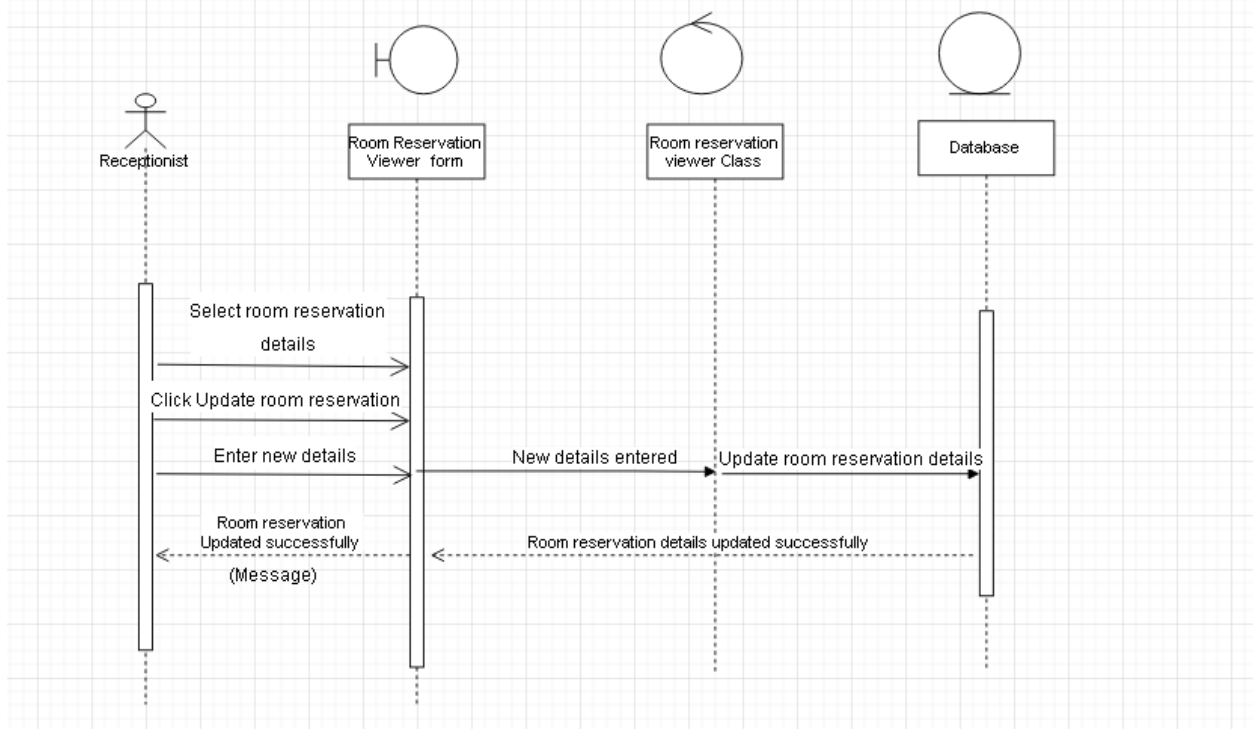
8. Sequence Diagram for view room reservation details



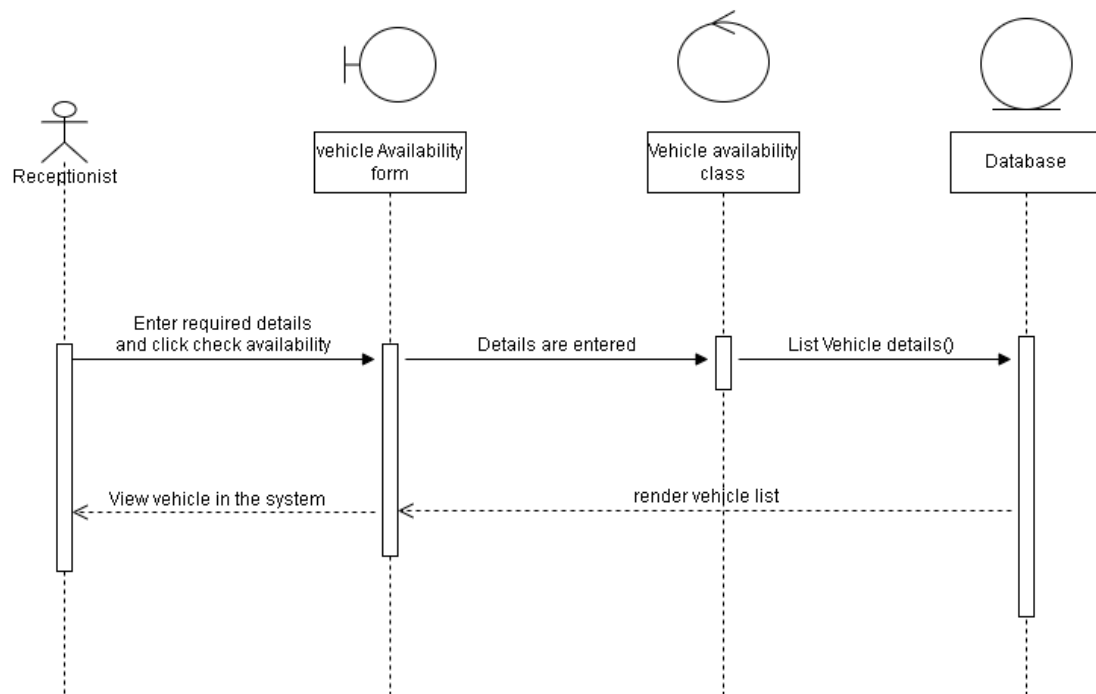
9. Sequence Diagram for cancel room reservation details



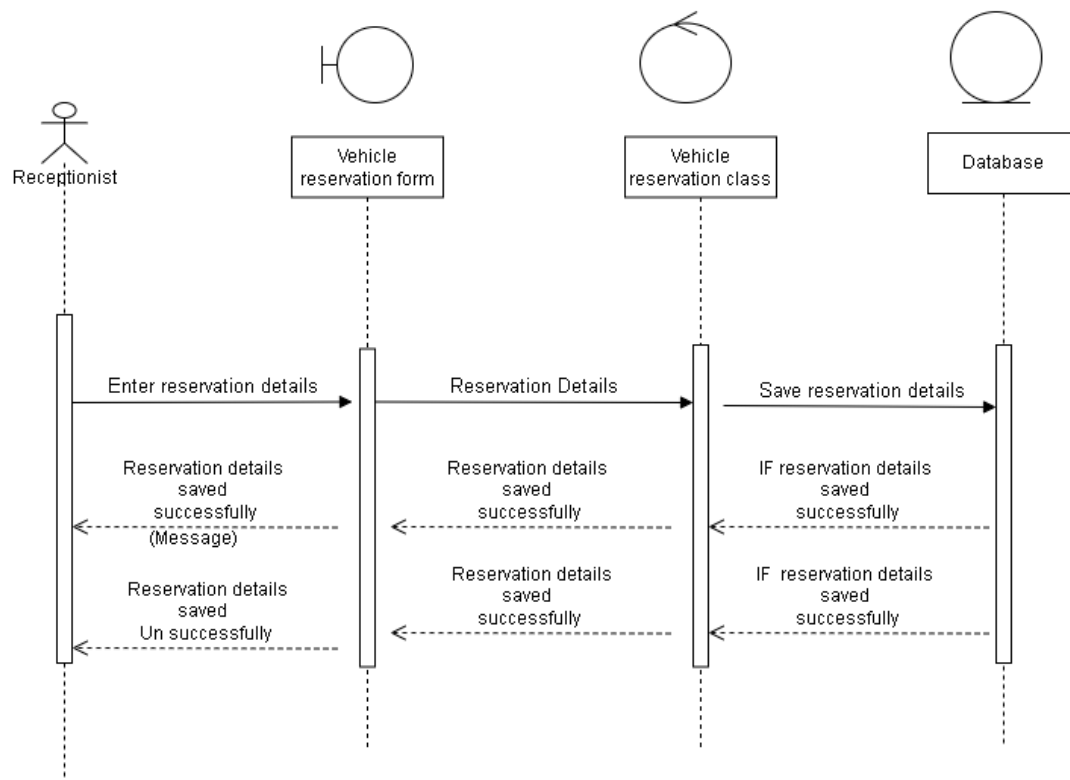
10. Sequence Diagram for Update Room Reservation details



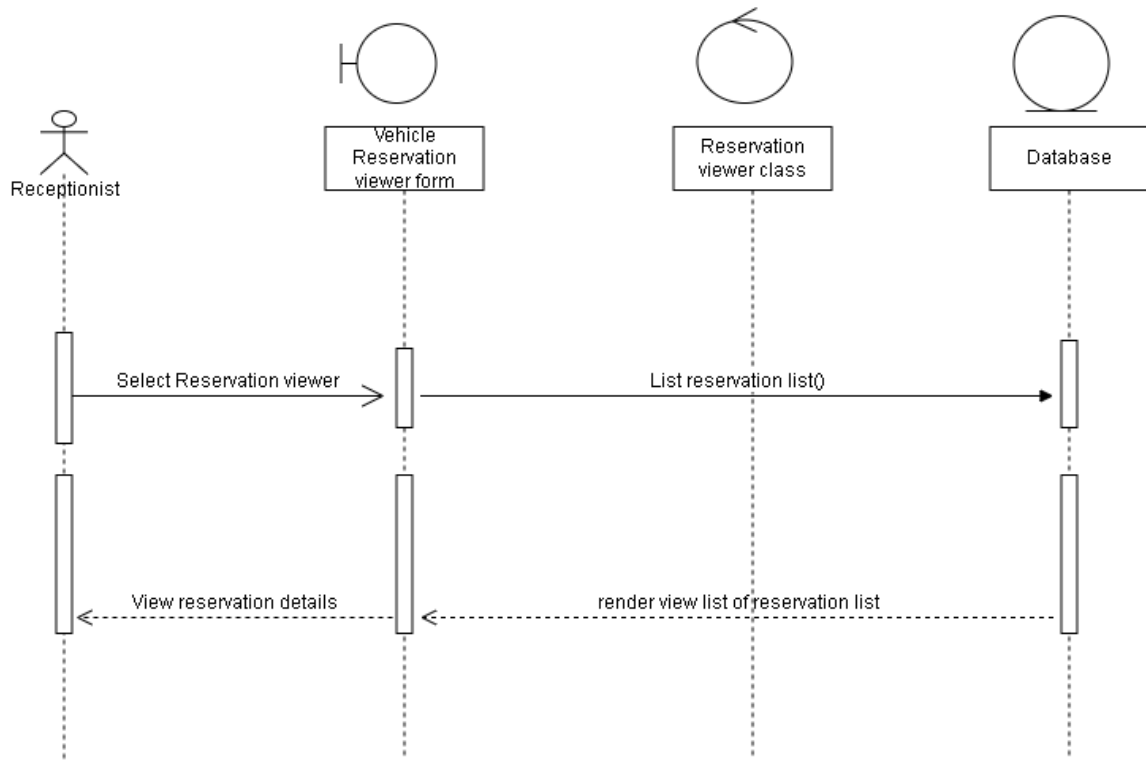
11. Sequence Diagram for check availability of vehicles



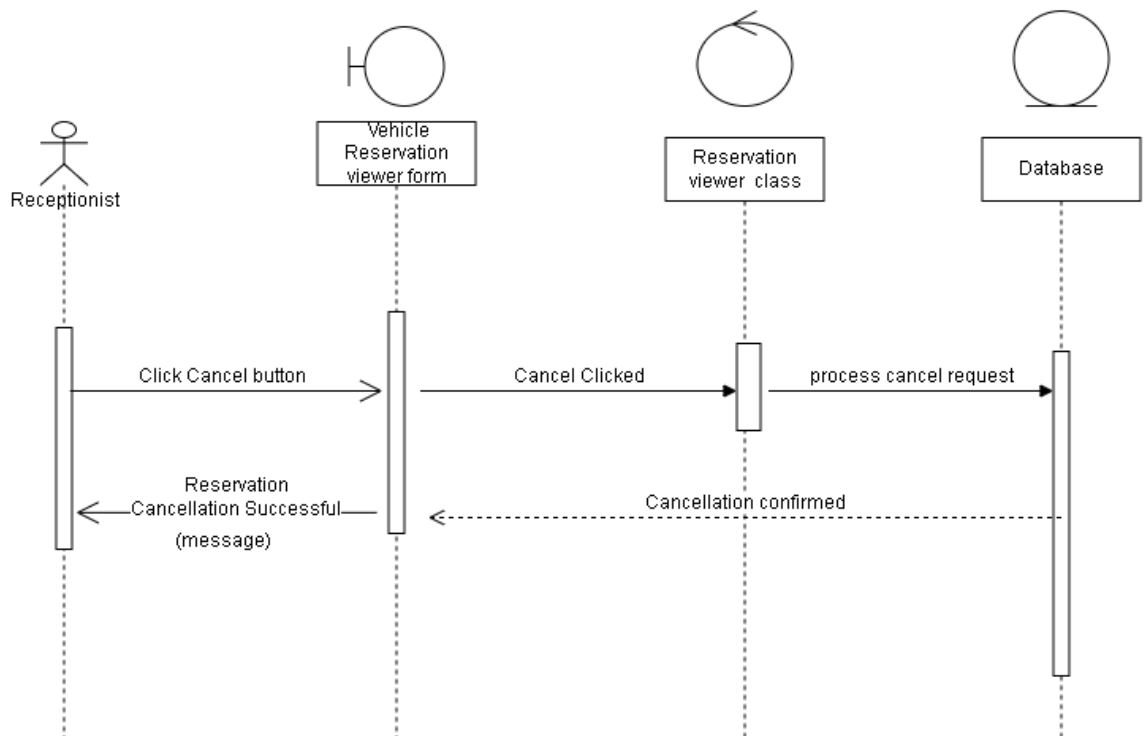
12. Sequence Diagram for Record vehicle reservation details



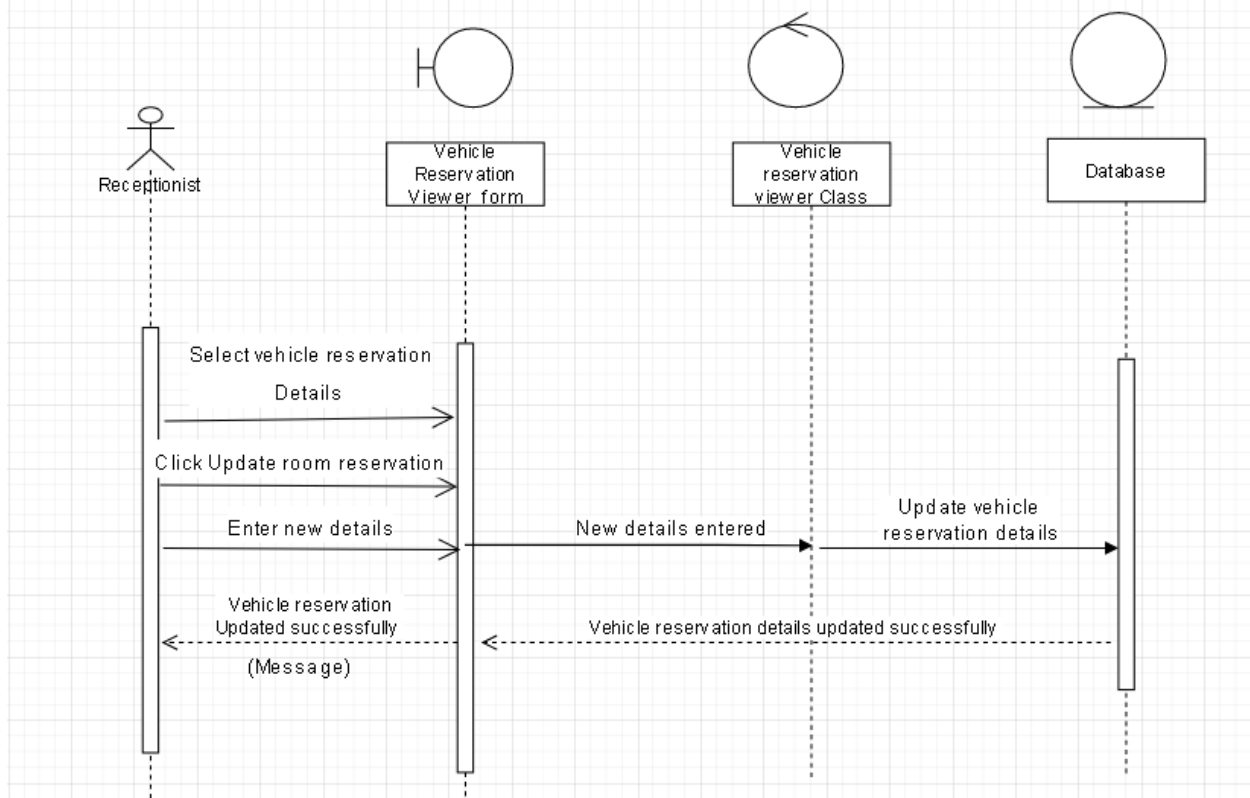
13. Sequence Diagram for view vehicle reservation details



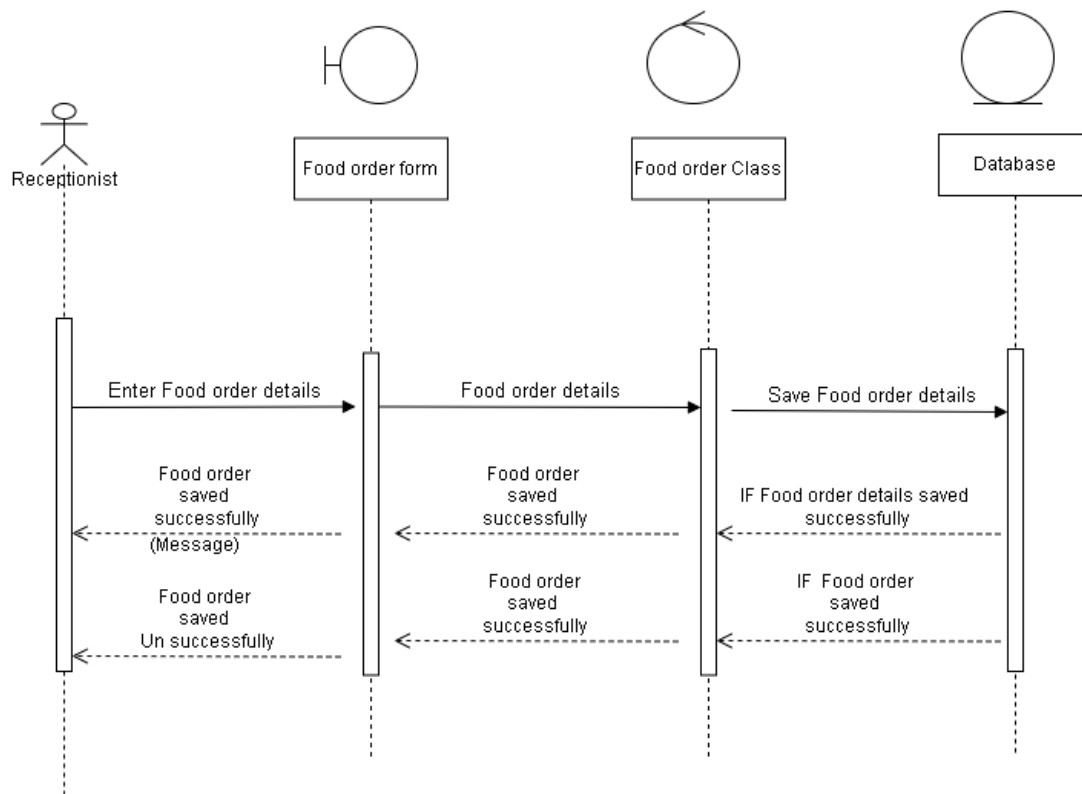
14. Sequence Diagram for cancel Vehicle reservation details



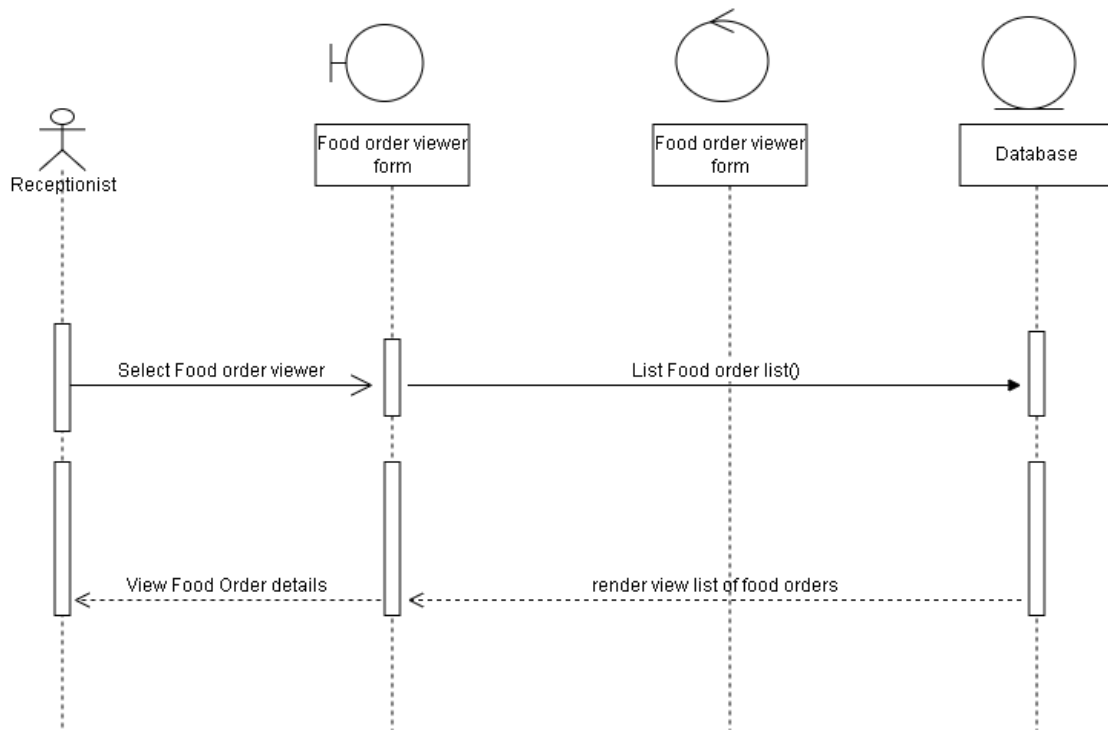
15. Sequence Diagram for Update Vehicle Reservation details



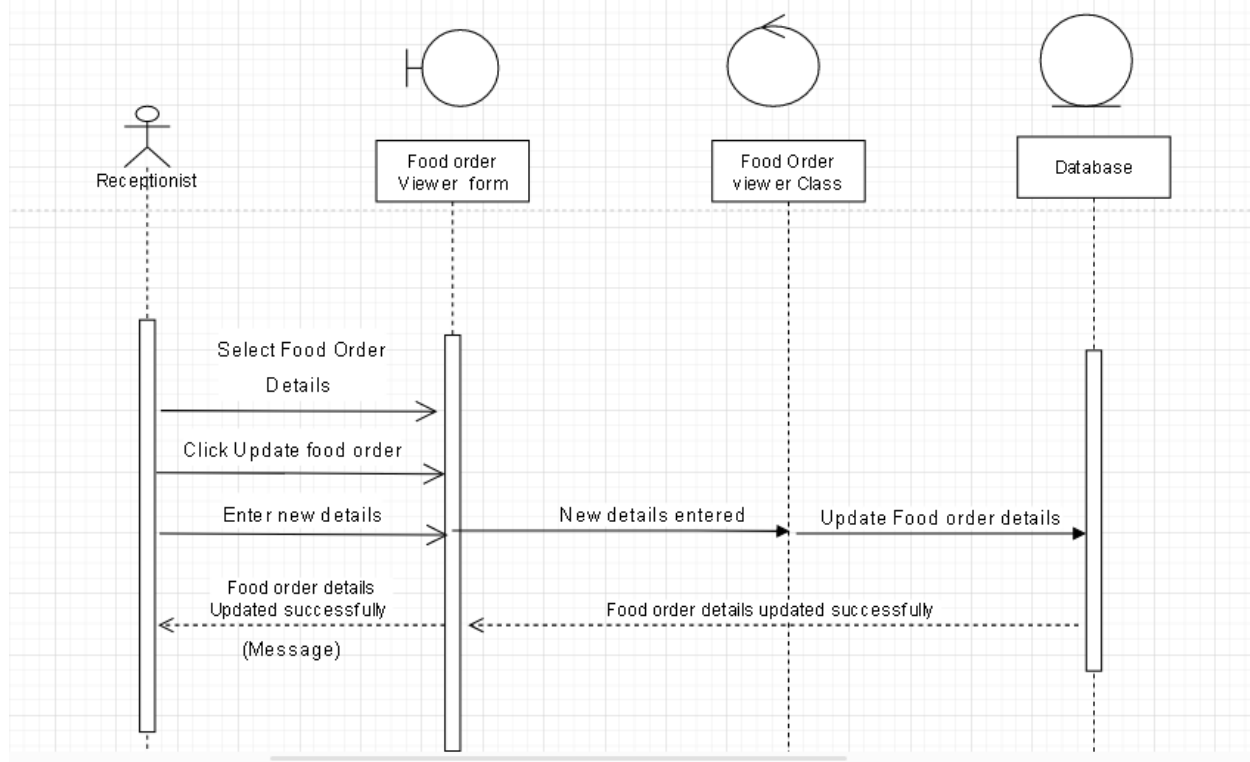
16. Sequence Diagram for Record Food order details



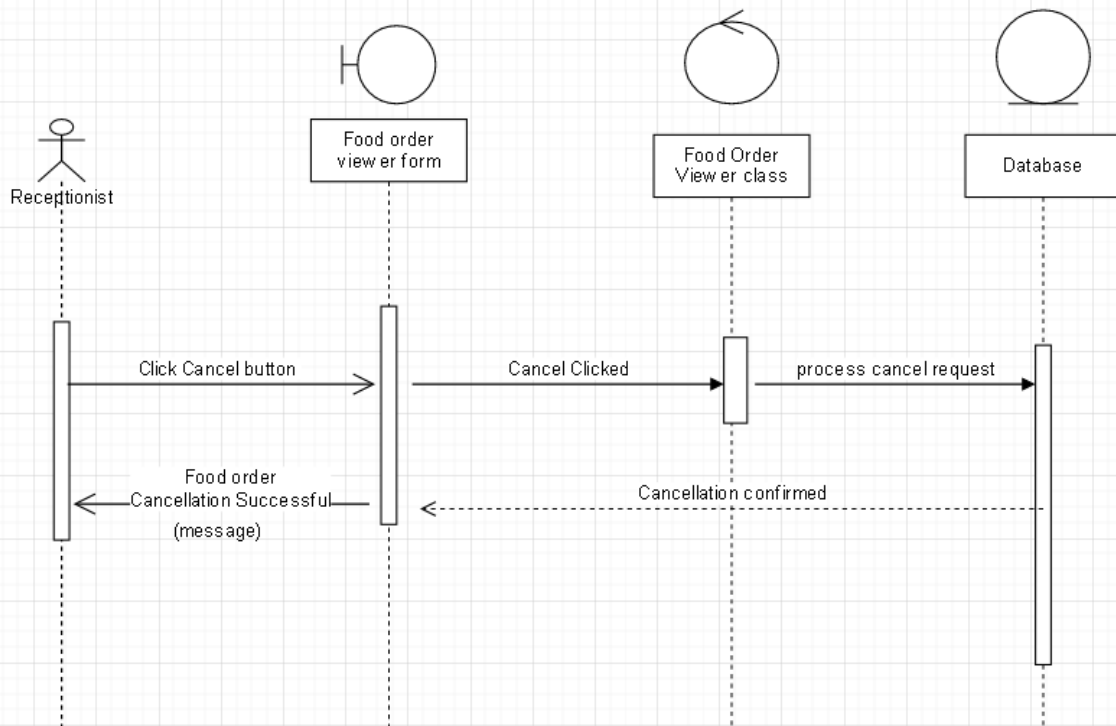
17. Sequence Diagram for view Food order details



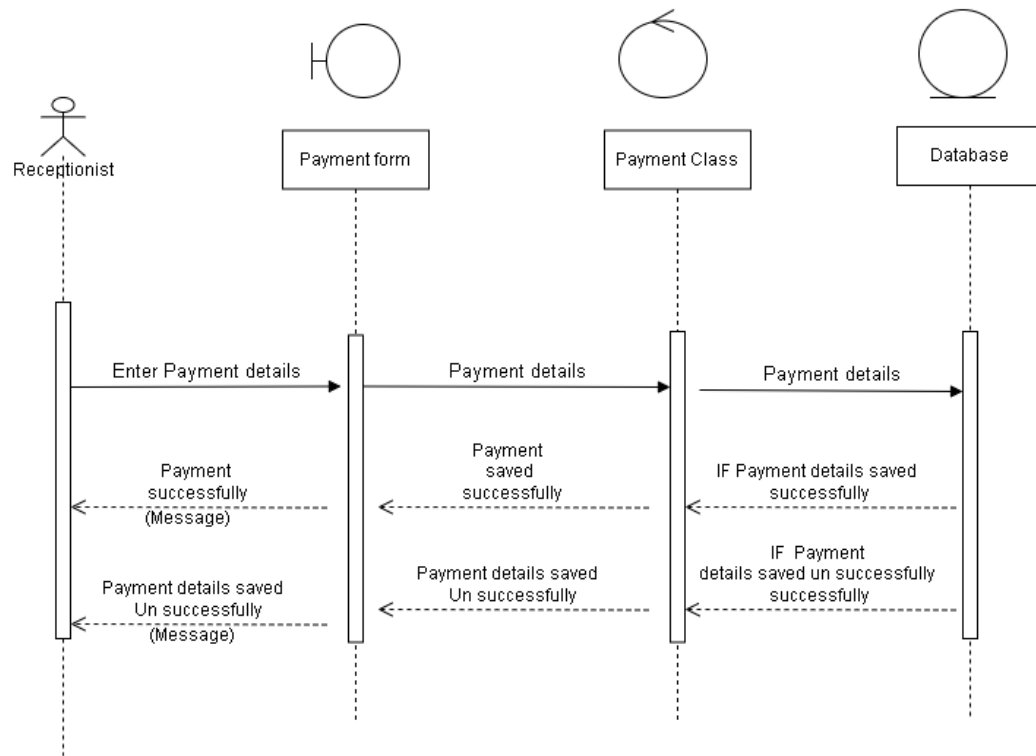
18. Sequence Diagram for Update Food order details



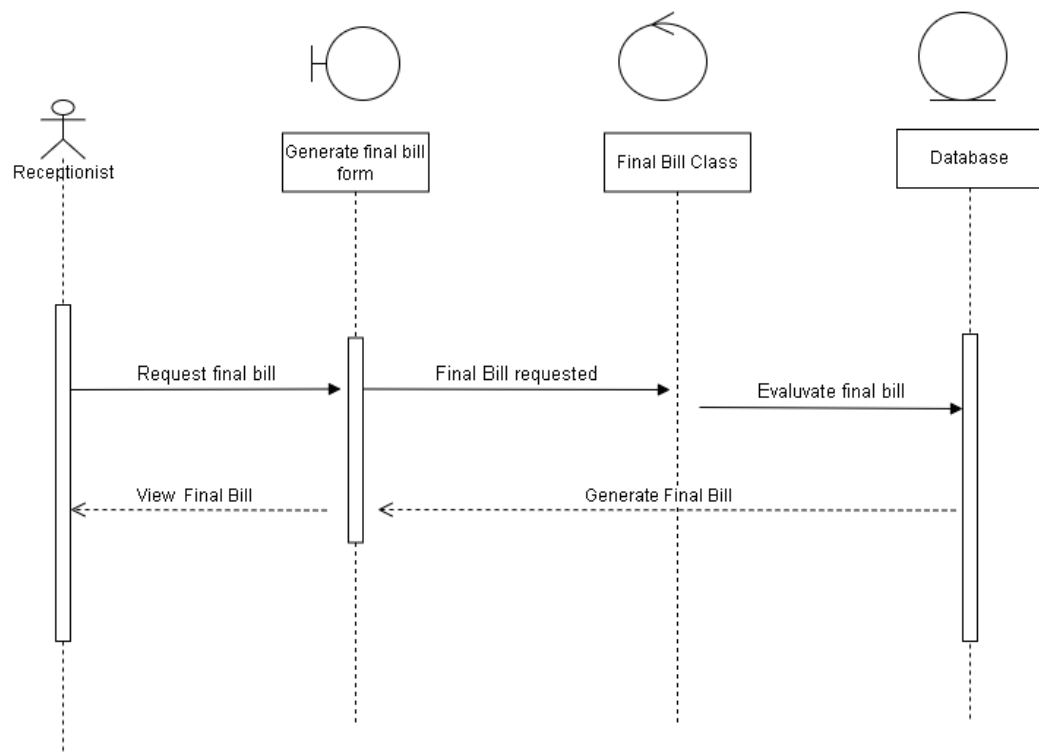
19. Sequence Diagram for cancel Food order details



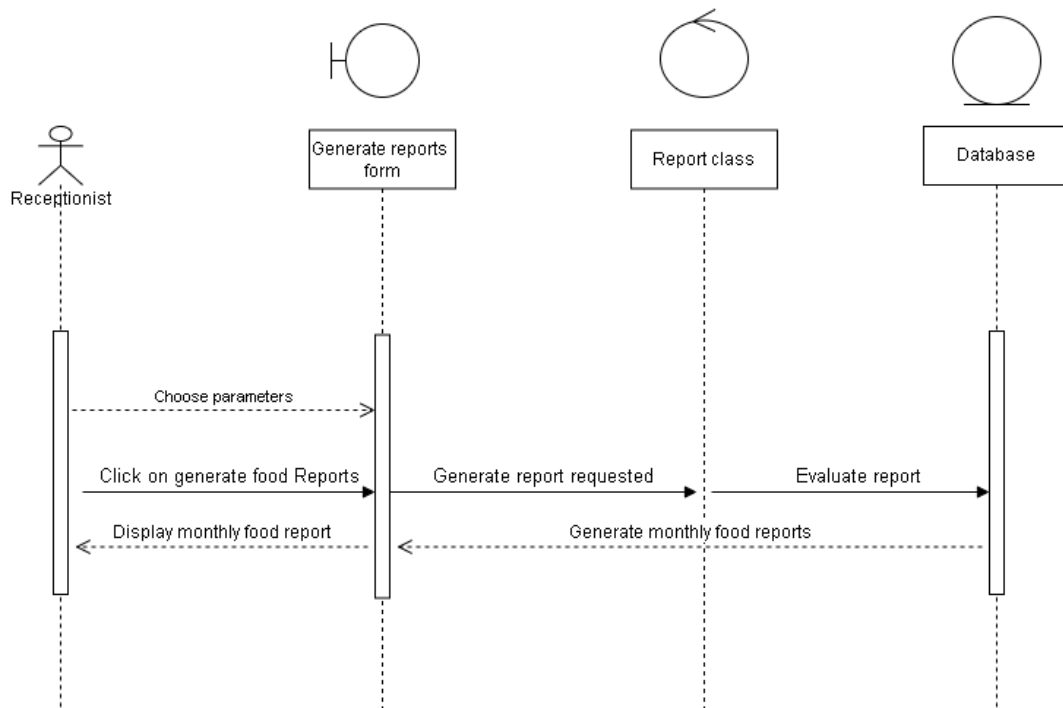
20. Sequence Diagram for record customer payment details



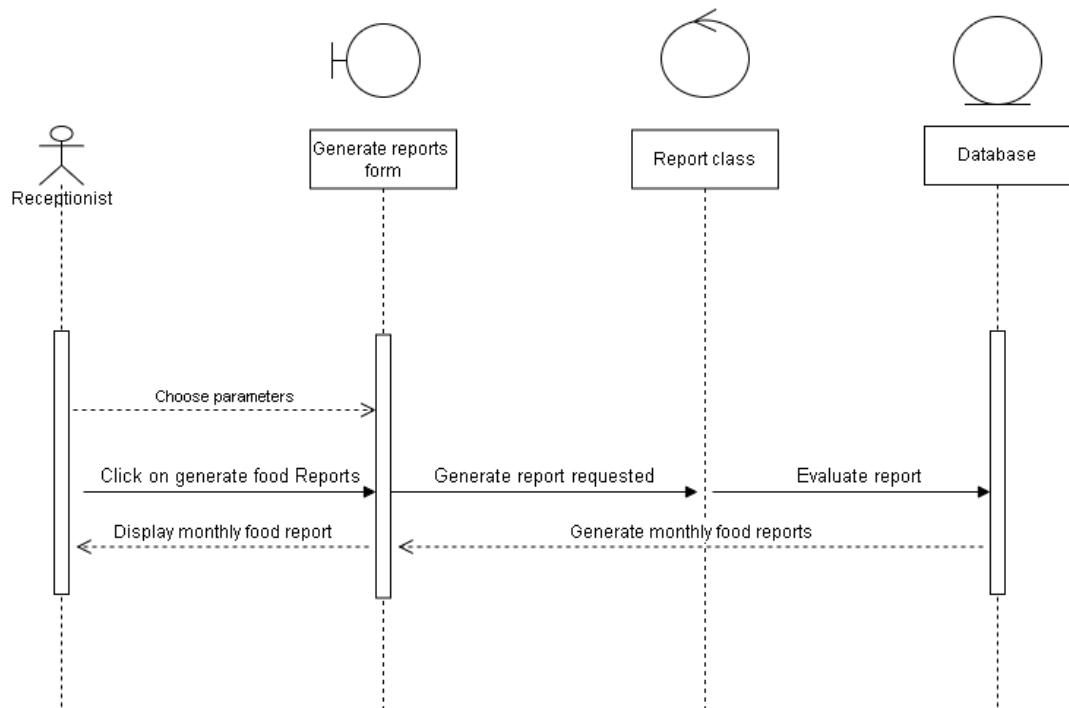
21. Sequence Diagram for Generate Final Bill



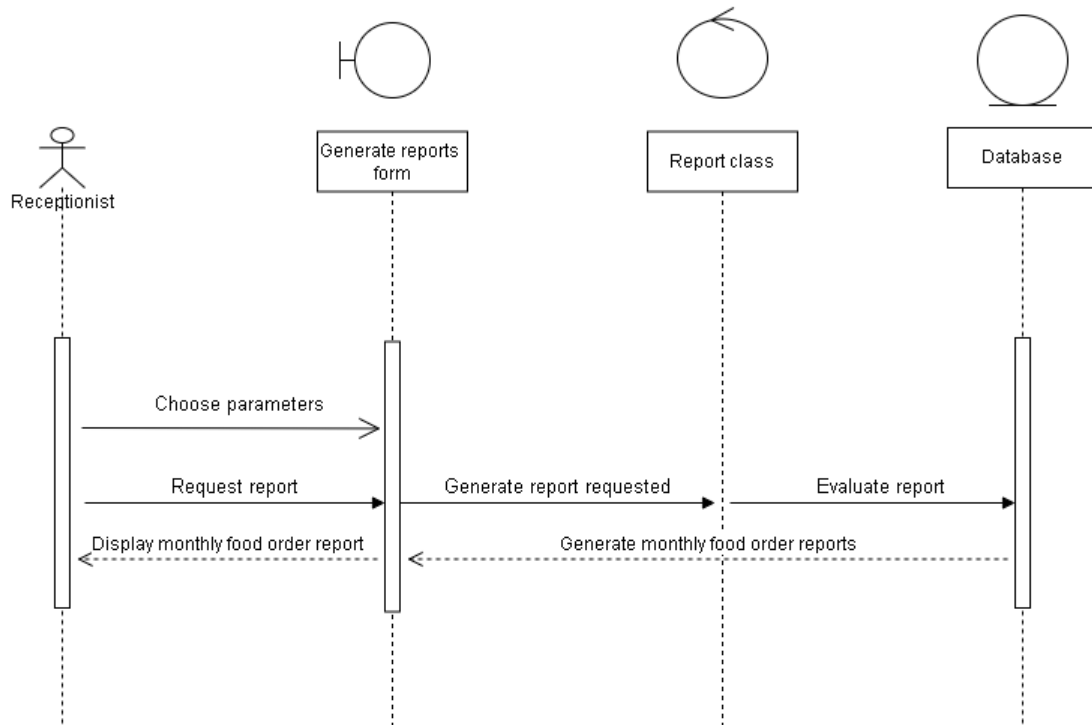
22. Sequence diagram to generate Monthly room report



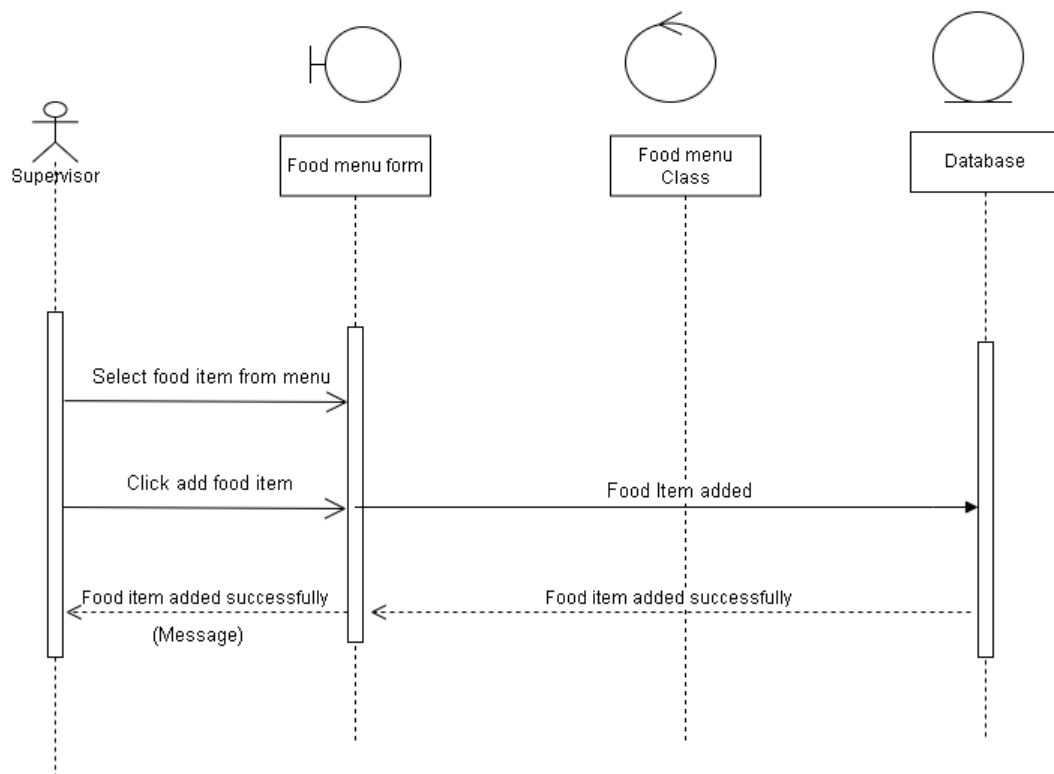
23. Sequence diagram to generate Monthly Vehicle report



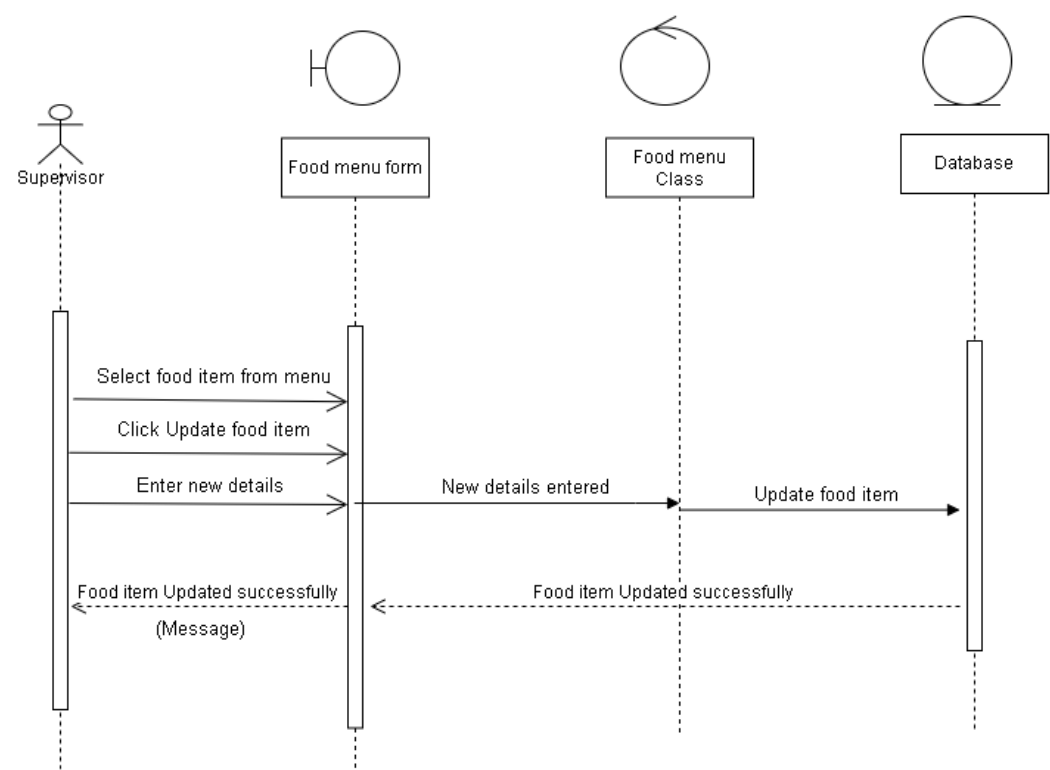
24. Sequence diagram to generate Monthly Food order report



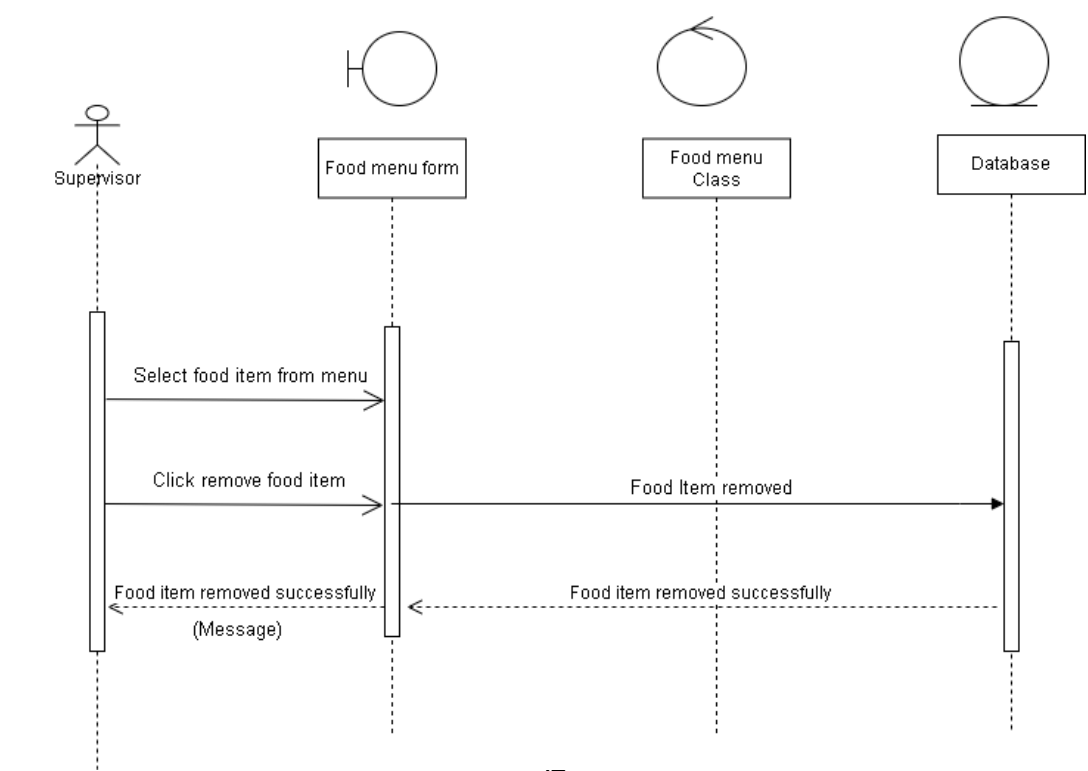
25. Sequence Diagram for Add food menu item



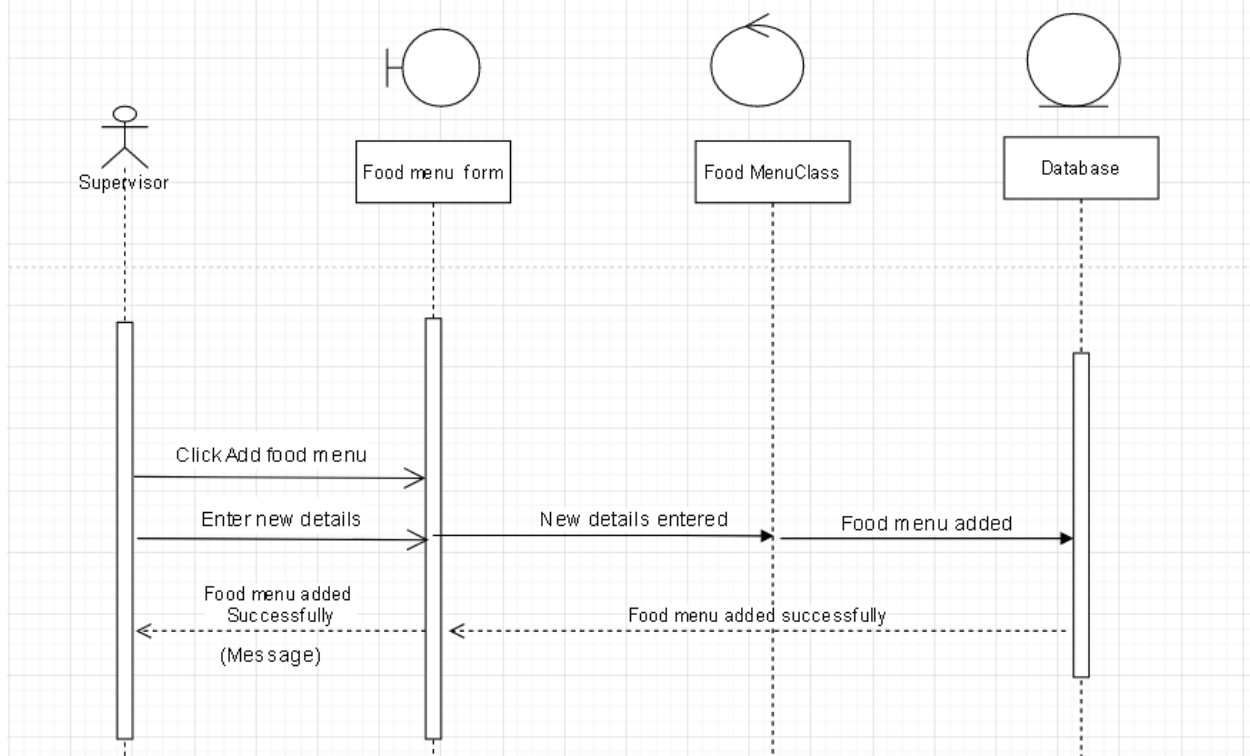
26. Sequence Diagram for Update food menu item



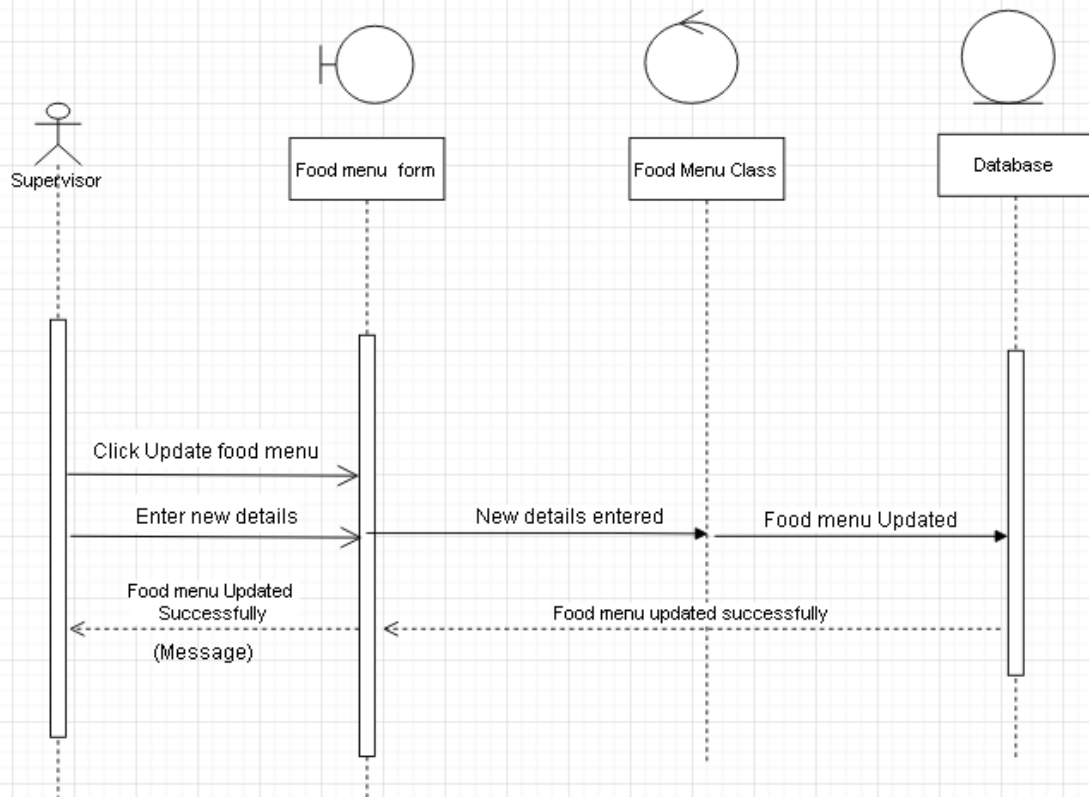
27. Sequence Diagram for remove food menu item



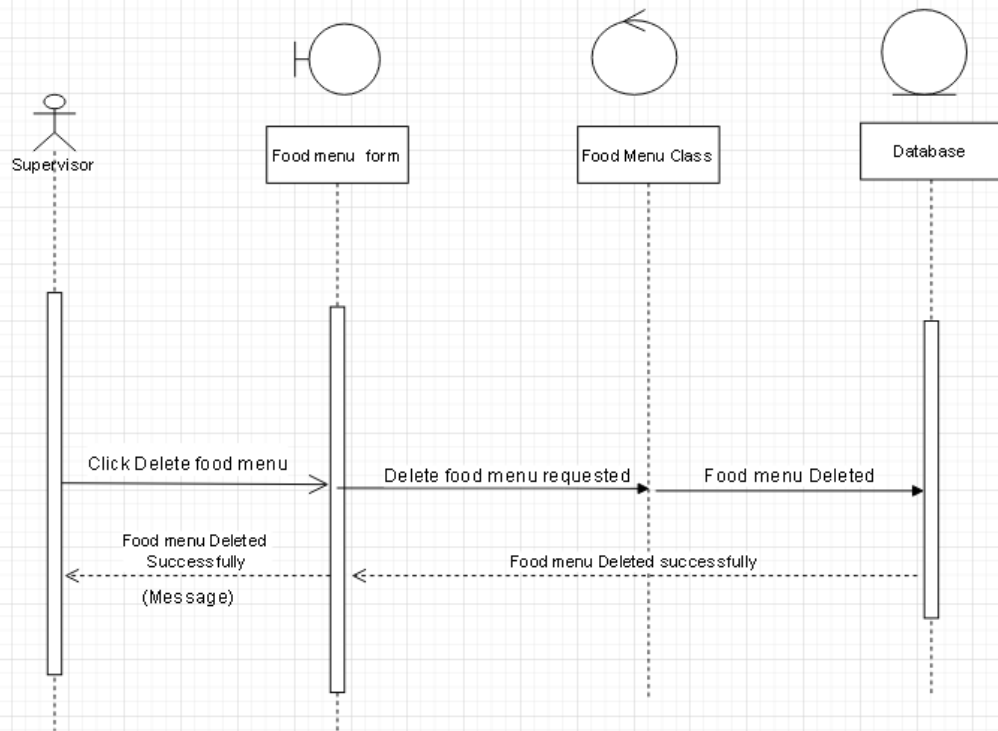
28. Sequence diagram to add food menu



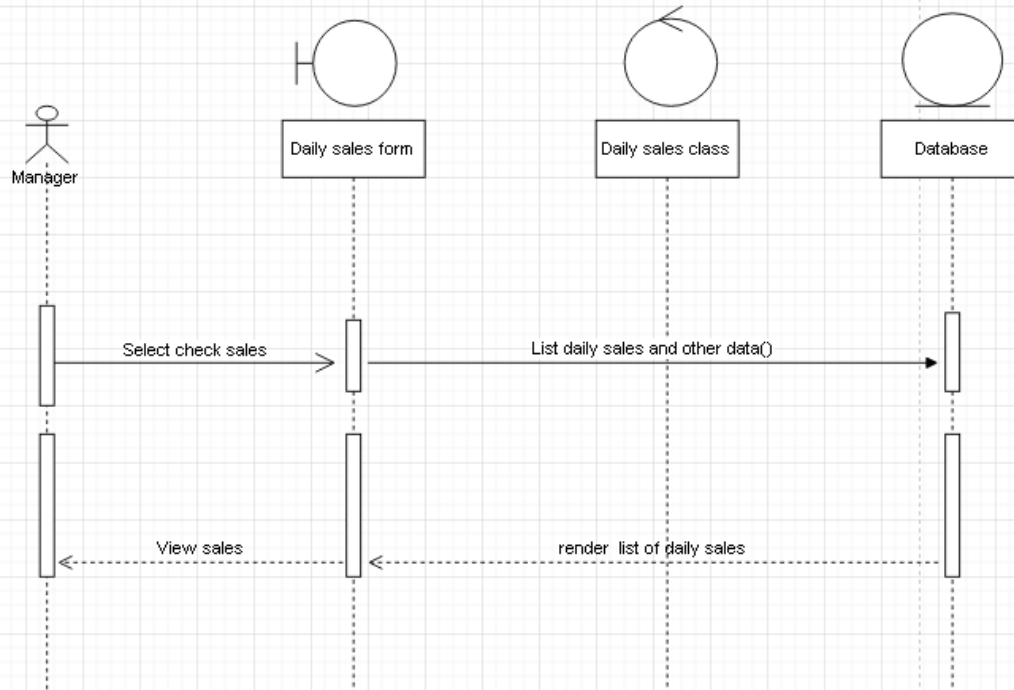
29. Sequence diagram to Update food menu



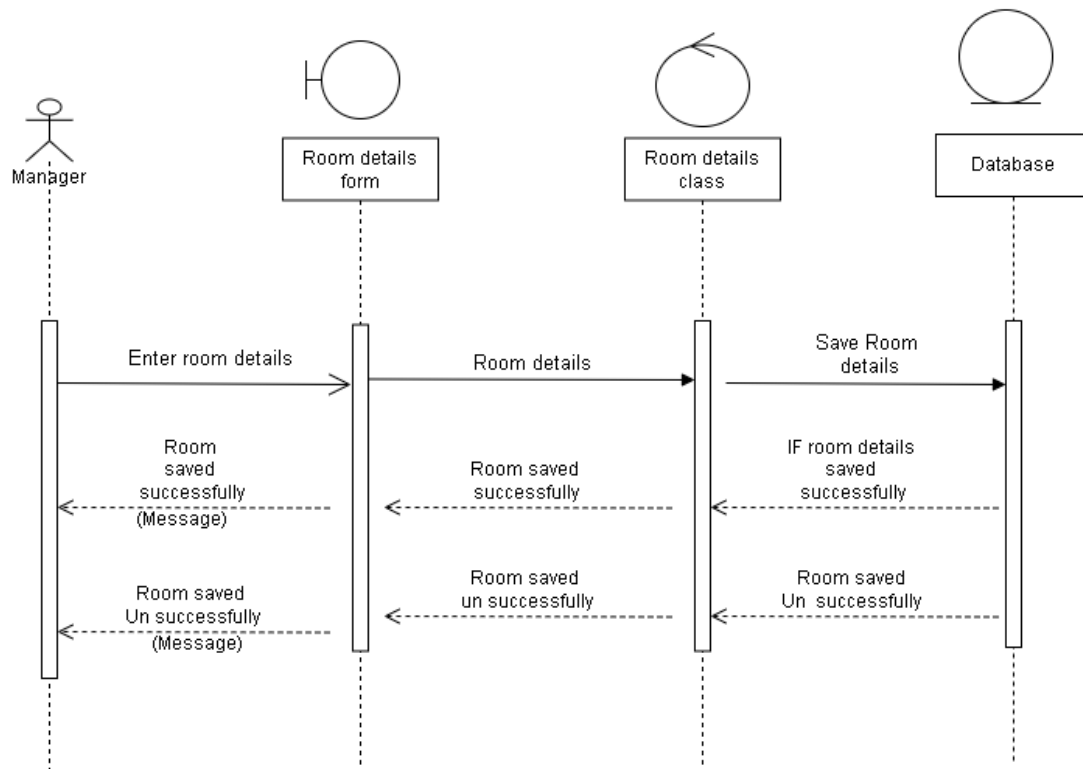
30. Sequence diagram to delete food menu



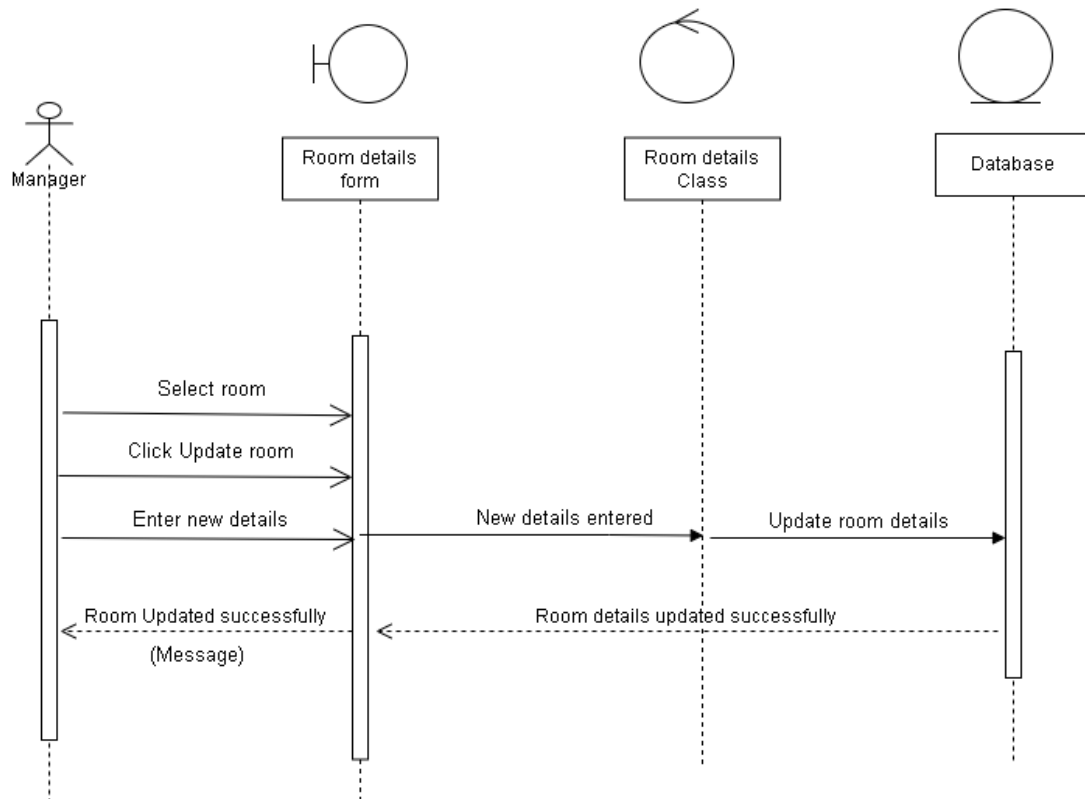
31. Sequence diagram for Check hotel sales



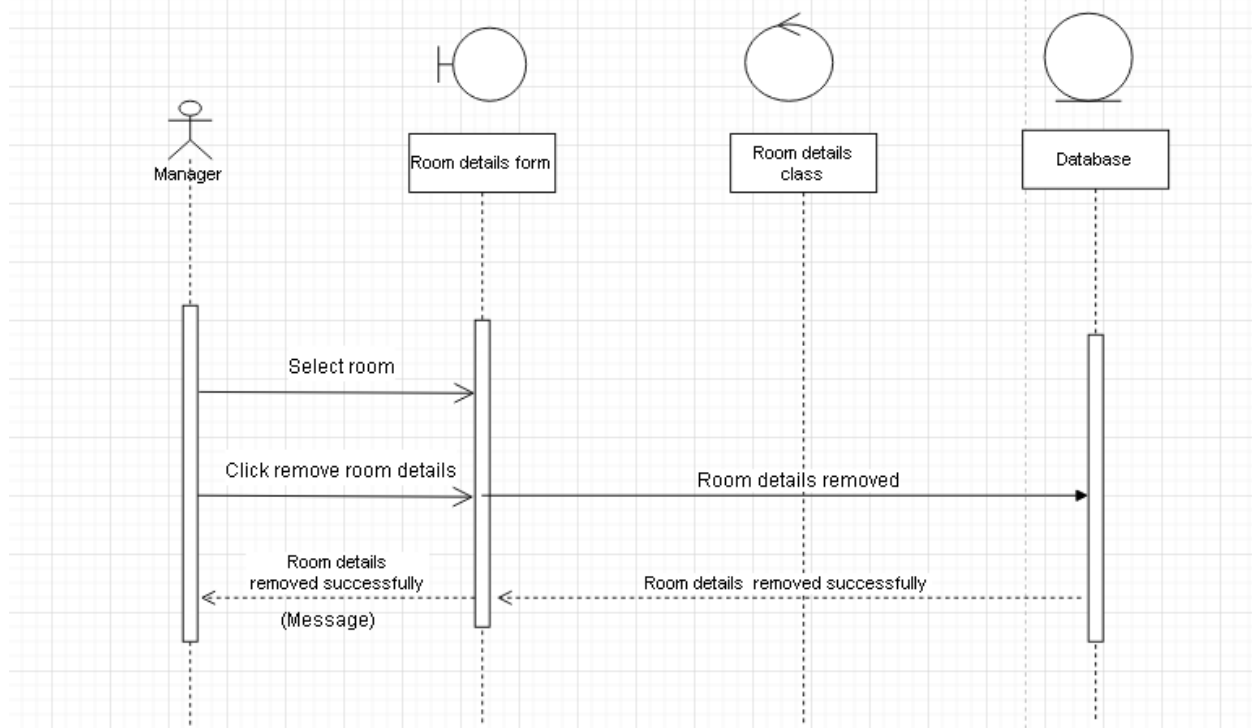
32. Sequence diagram for Add Room details



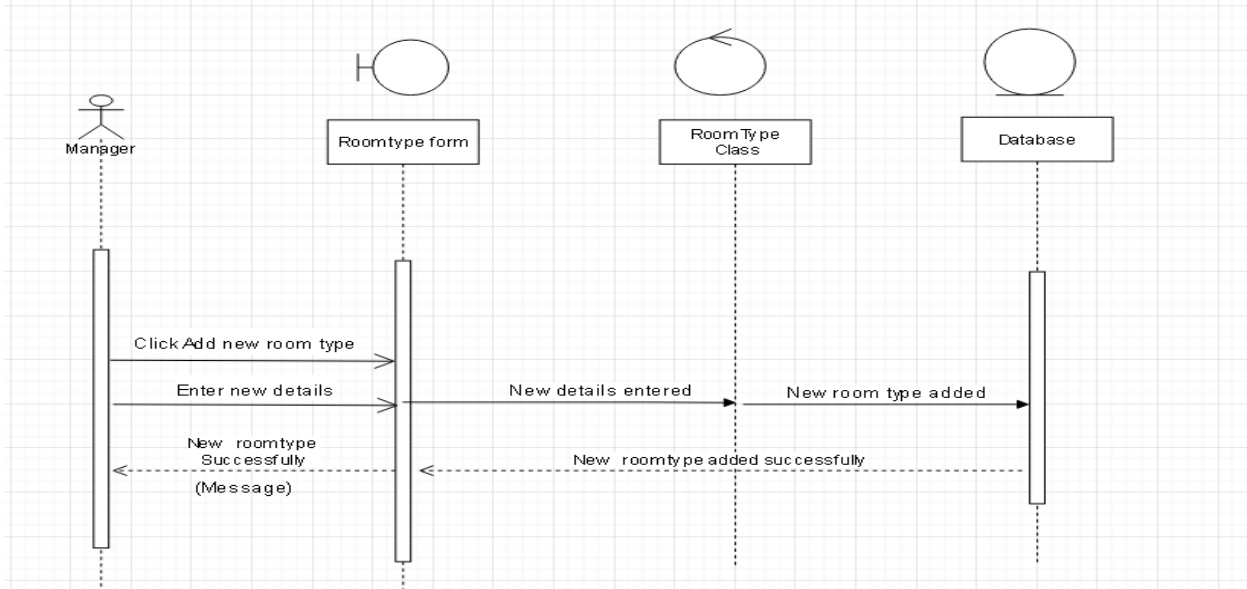
33. Sequence Diagram for Update Room details



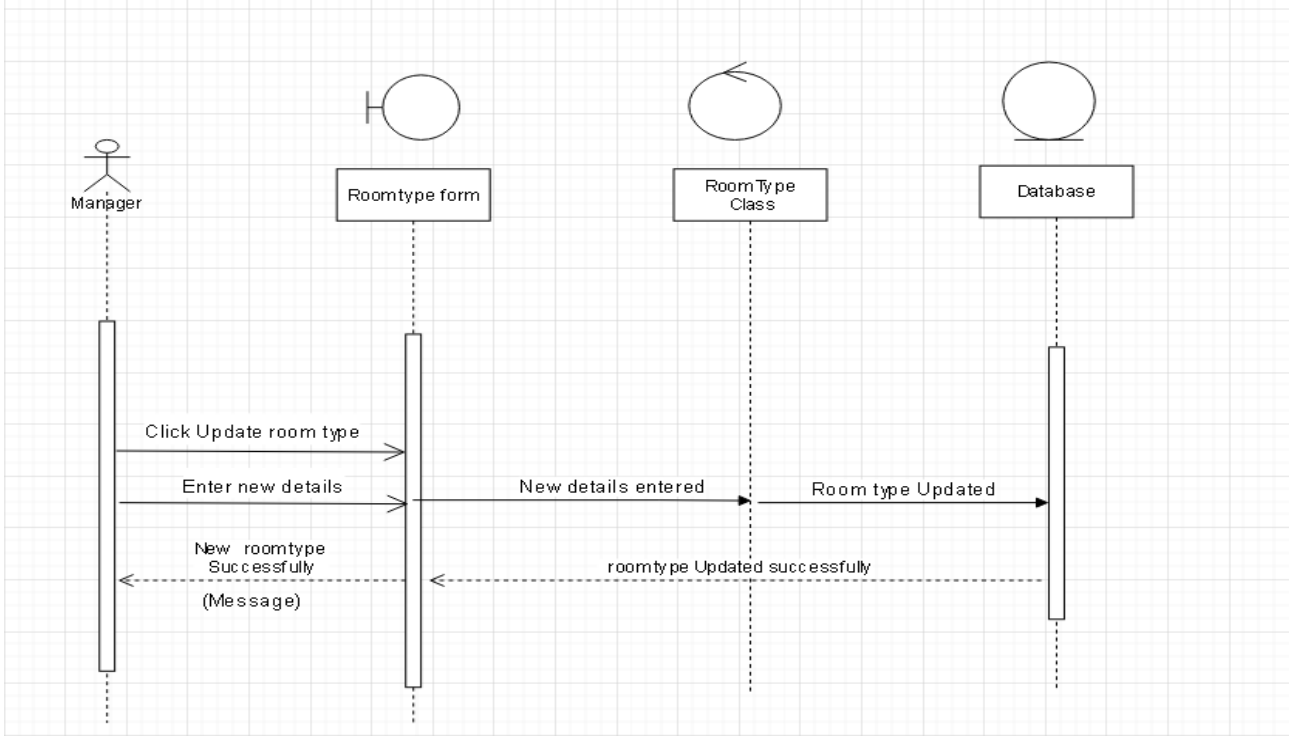
34. Sequence Diagram for remove room details



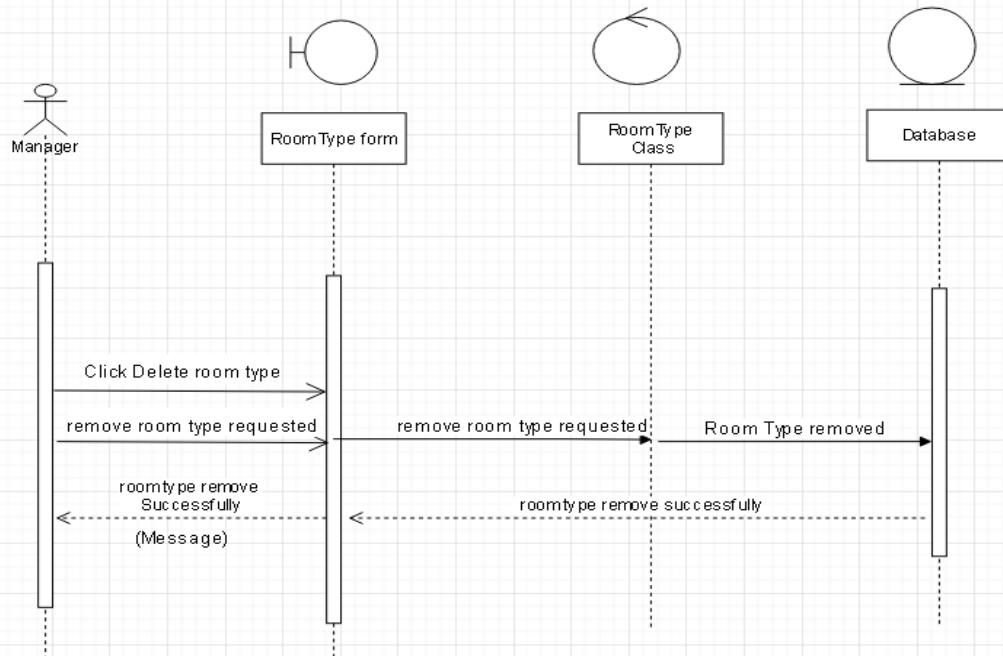
35. Sequence diagram to Add new room type



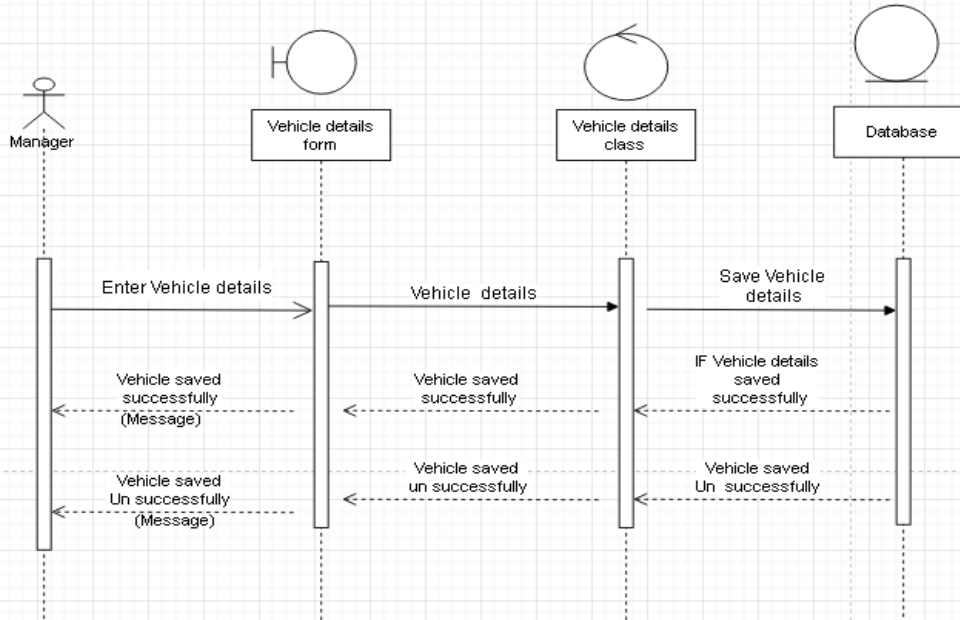
36. Sequence diagram to Update room type



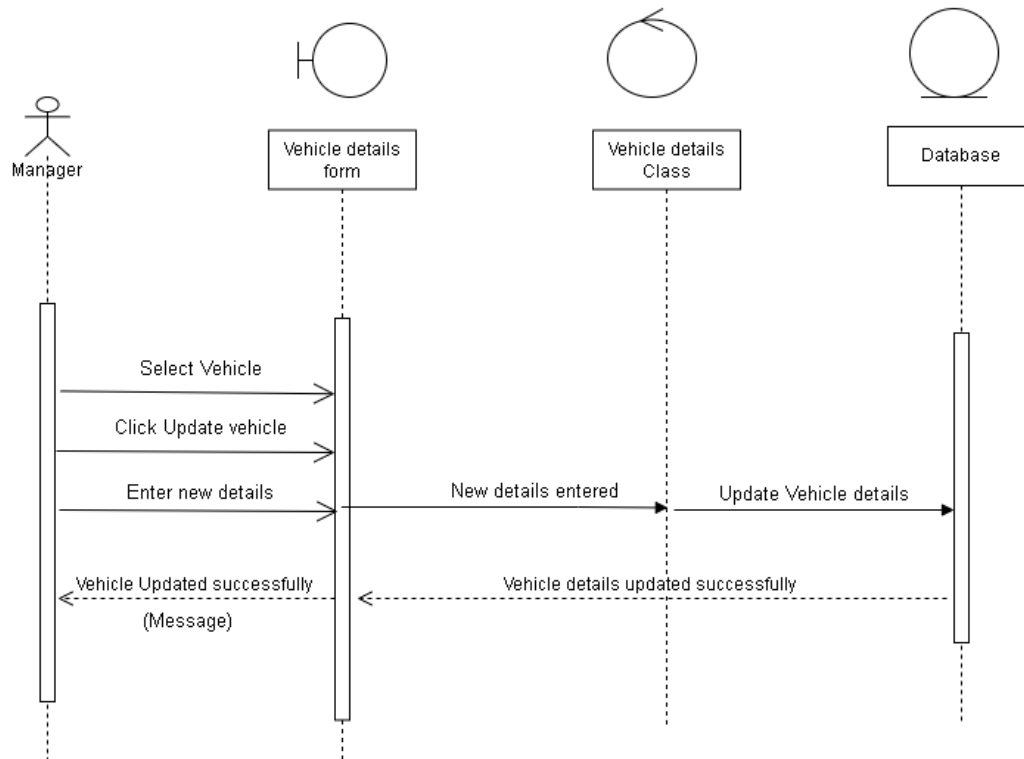
37. Sequence diagram to Delete room type



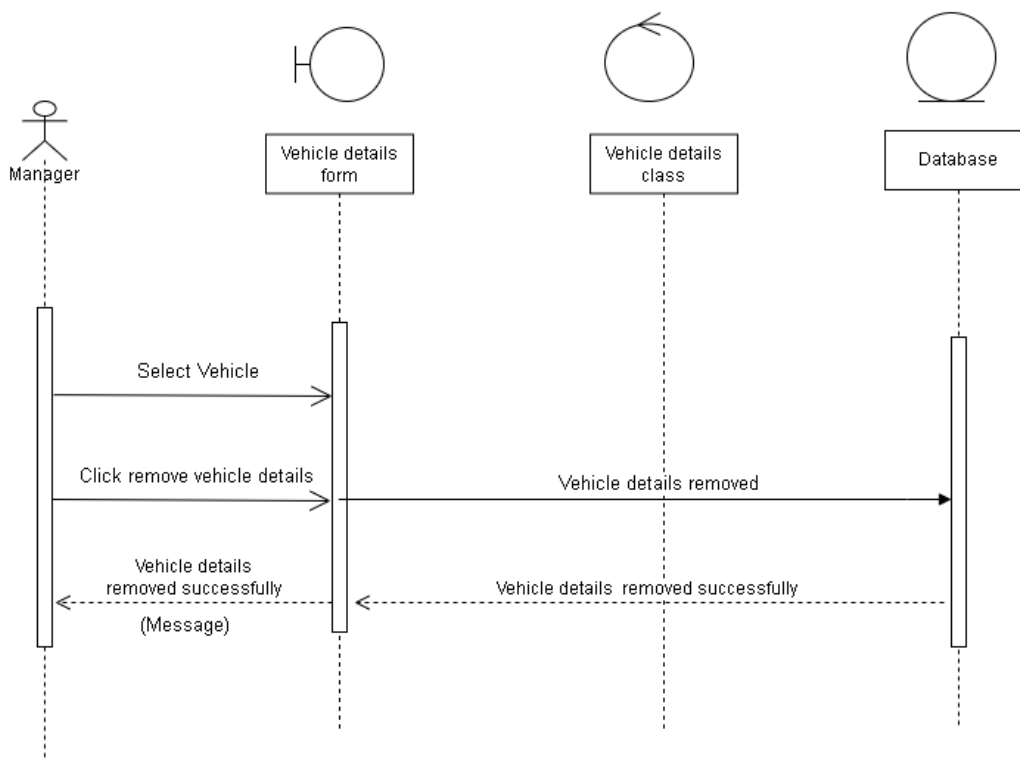
38. Sequence Diagram for Add new vehicle details to system



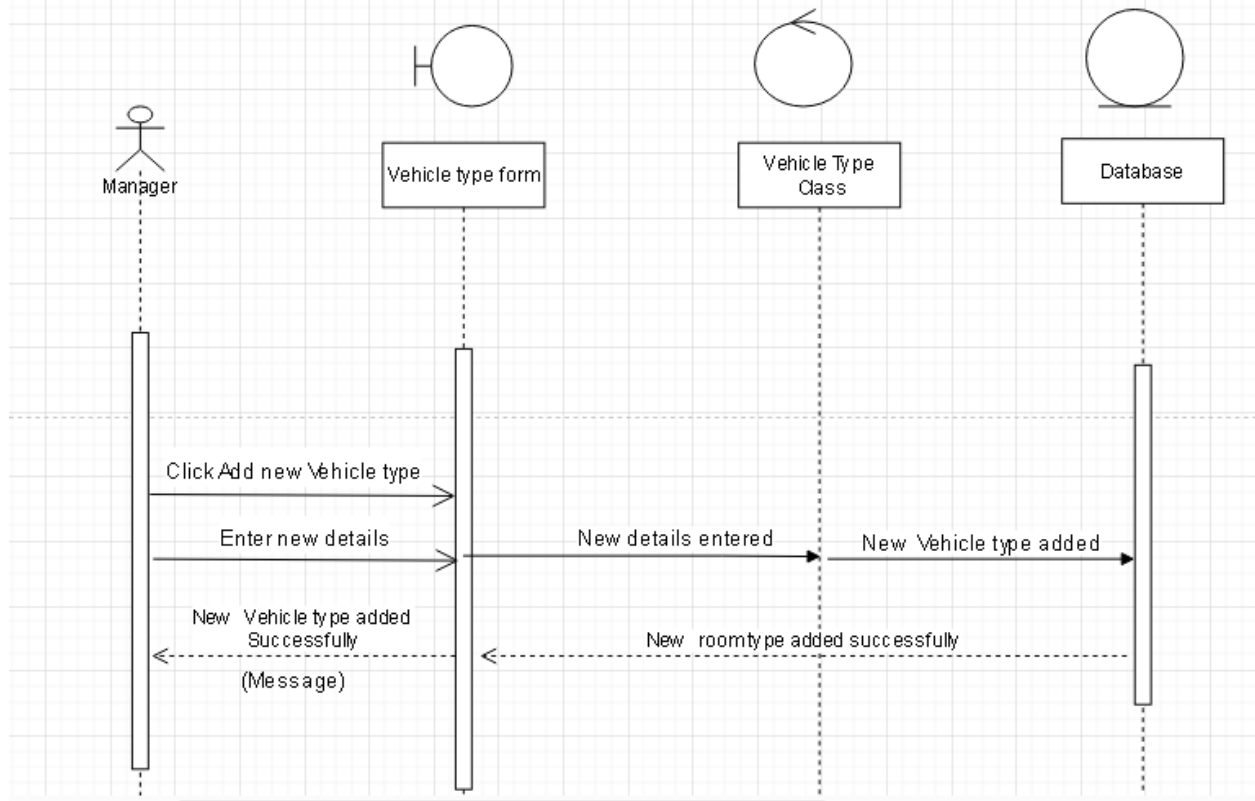
39. Sequence Diagram for Update vehicle details to system



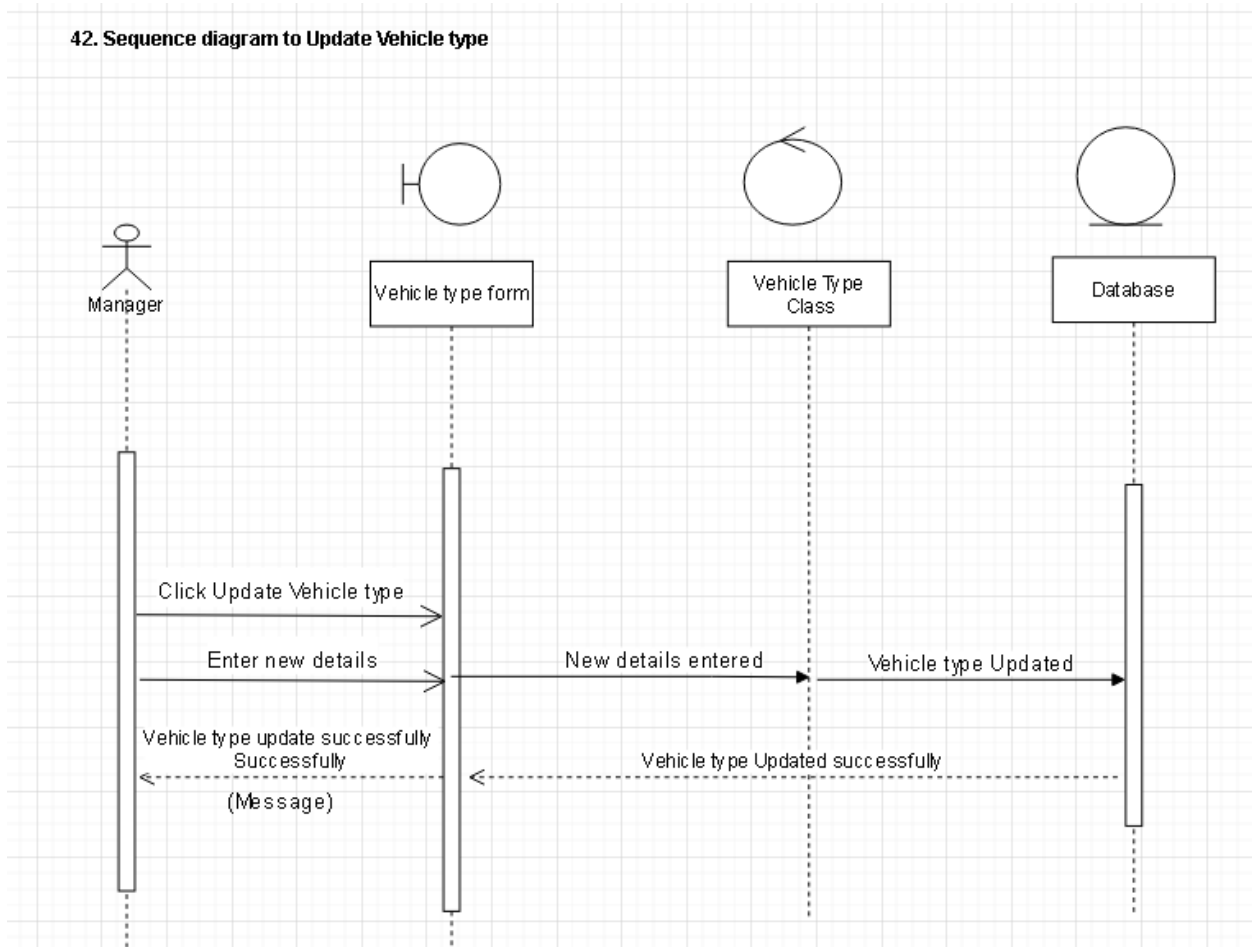
40. Sequence Diagrams for remove vehicle details



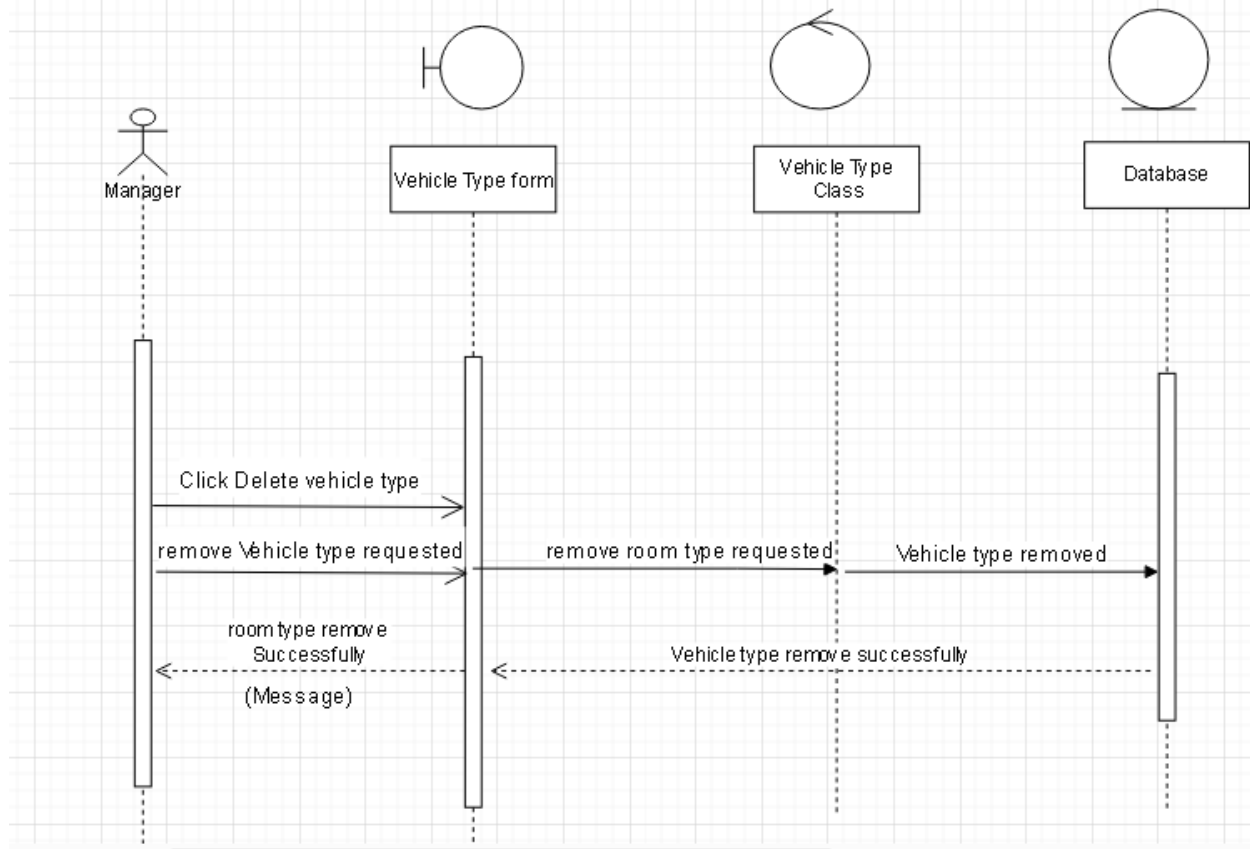
41. Sequence diagram to Add new Vehicle type



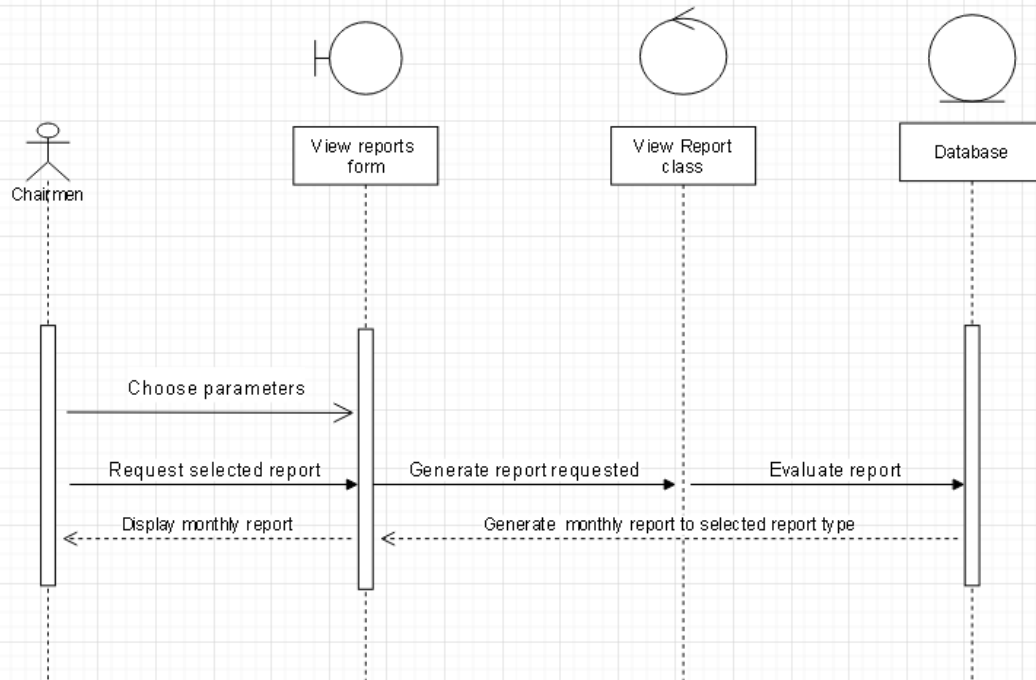
42. Sequence diagram to Update Vehicle type



43. Sequence diagram to Delete Vehicle type



44. Sequence diagram to view reports



3.3 ER Diagram of the Proposed System

3.4 Chapter Summary

This chapter demonstrates all the diagrams designed including UML and ER, starting from the use case diagram of the existing system. Then the problem within the existing system is identified and the use case diagram for the proposed system, class diagrams and sequence diagrams are drawn for the proposed system. Finally, the ER diagram is included.

Chapter 4: Solution Design

4.1 Introduction

This chapter includes all the interface, database and report layout designs of the proposed system design by FIGMA.

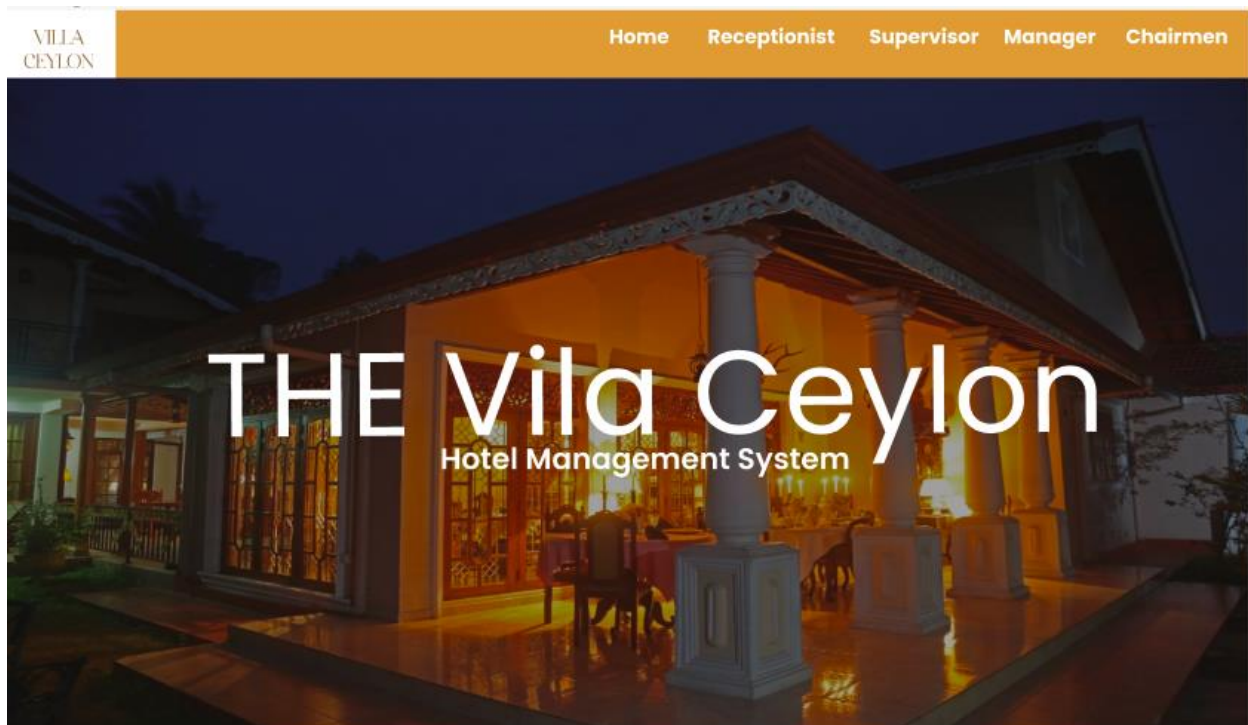
4.2 Interface Design

Staff

Interface no.1

Interface Name: Welcome Page

Description: This is page where all the employees can see before they log into relevant accounts



Employee Sign-Up

Interface no. 2

Interface Name. Sign up page

Description. This the page Use to sign up employees in the hotel

VILLA CEYLON

Home Receptionist Supervisor Manager Chairman

Receptionist Sign In

Manager Name

Telephone Number

Address

Email

Username

Password

Confirm Password

Security Question Your favorite color?

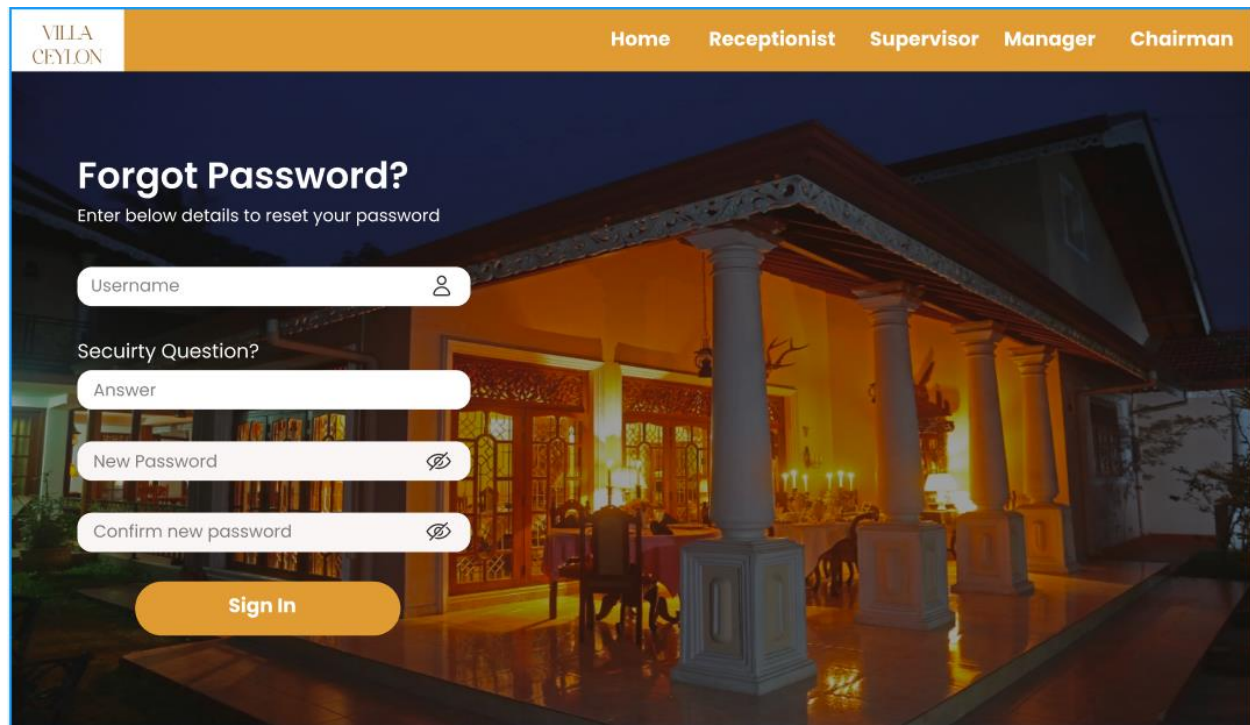
Sign In

Password-Recovery

Interface no. 3

Interface Name. Password recovery page

Description. This the page Employees are used to recover their password




The screenshot displays the 'Forgot Password?' interface for Villa Ceylon. The page features a dark background with a warm, orange-toned image of a building's interior. At the top, there is a navigation bar with the 'VILLA CEYLON' logo on the left and links for 'Home', 'Receptionist', 'Supervisor', 'Manager', and 'Chairman' on the right. The main heading 'Forgot Password?' is prominently displayed, followed by the instruction 'Enter below details to reset your password'. Below this, there are four input fields: 'Username' with a user icon, 'Security Question?' (labeled as 'Secuirty Question?'), 'Answer', 'New Password' with an eye icon, and 'Confirm new password' with an eye icon. A large orange 'Sign In' button is positioned at the bottom of the form area.

VILLA
CEYLON

Home Receptionist Supervisor Manager Chairman


Forgot Password?


Enter below details to reset your password

Username 

Secuirty Question?

Answer

New Password 

Confirm new password 

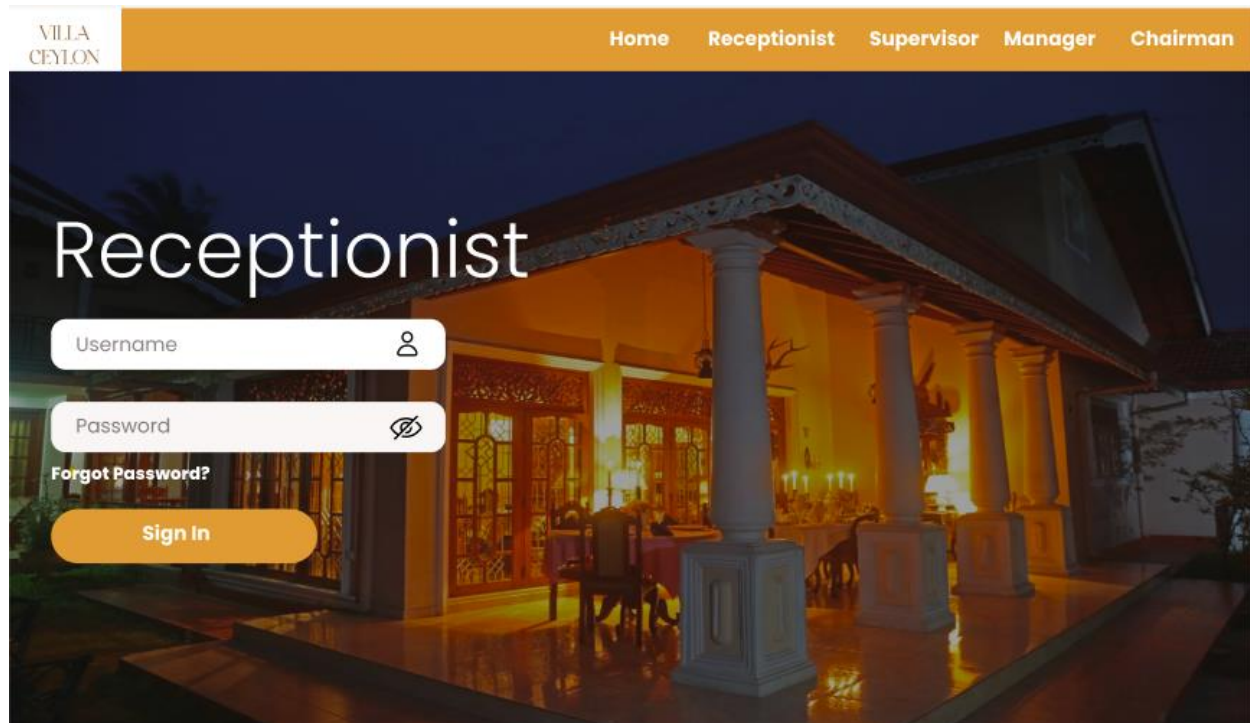
Sign In

Receptionist

Interface no. 4

Interface Name. Receptionist Login Page

Description. This the page receptionist logging using Username and Password





The screenshot displays the Receptionist Login Page for Villa Ceylon. The page features a dark blue header with the 'VILLA CEYLON' logo on the left and a navigation menu with links for 'Home', 'Receptionist', 'Supervisor', 'Manager', and 'Chairman'. The main content area has a background image of a villa's entrance at night. Overlaid on this is a login form with a large 'Receptionist' title. The form includes a 'Username' field with a user icon, a 'Password' field with an eye icon, a 'Forgot Password?' link, and an orange 'Sign In' button.

VILLA
CEYLON

Home Receptionist Supervisor Manager Chairman

Receptionist

Username 

Password 

[Forgot Password?](#)

[Sign In](#)

Interface no. 5

Interface Name. Customer registration

Description. This page receptionist use to register customer

Vila Ceylon

Dashboard

Customer Registration

Rooms Availability

Rooms Reservation Page

Room Reservation Viewer

Vehicles Availability

Vehicles Reservation Page

Vehicle Reservation Viewer

Food Items Selecting Page

Food Ordering Page

Food Orders viewer Page

Customer Payment

Customer Final Bills

Monthly Reports

Customer Details

Enter your all customer details and view, Update
Delete chosen details same time

Enter Customer details

First Name

Buddhima

Last Name

Jayasanka

NIC/Passport Number

238423492343V

Email

buddhima@gmail.com

Phone 1

+94769224827

Gender

☒ Male ☐ Female

Address

House No

218/18

Street

Wellkatiya road

City

Kelaniya

Phone 2 (Optional)

+94

+155

+196

SUBMIT

RESET

Enter Customer NIC or Passport Number to View Details

View

Customer ID	First Name	Last Name	NIC/Passport Number	Email	Gender	Phone 1	Phone 2	Address
Cus_01	Buddhima	Jayasanka	238423492343V	buddhima@gmail.com	Male	+94769224827		218/18 Wellkatiya road Kelaniya

Update

Delete

Interface no. 6

Interface Name. Rooms availability page checking checkout option

Description. This is the page frame that include in check room availability

The screenshot displays a web interface for checking room availability at Vila Ceylon, Katunayake. The header features a warm-toned photograph of a hotel interior with the text "Vila Ceylon, Katunayake" overlaid. Below the header, a dark grey navigation bar contains three sections: "Check-in & check-out Date and Time" with a date range of "11 Feb 2023 9 Am- 14 Feb 2023 10Am" and a calendar icon; "Adults & Children's" with "2 Adults | 0 Children" in red text; and a "Check Availability" button. A large, semi-transparent modal window is centered on the page, mirroring the header's design. It includes a close button (X) in the top right corner. The modal contains the same date and time selection fields, a section for adjusting the number of adults (2) and children (0) with minus and plus buttons, and a "Check Availability" button at the bottom right. The summary text "11 Feb - 14 Feb | 2 Adults | 0 Children" is displayed in red at the bottom left of the modal.

Vila Ceylon, Katunayake

Check-in & check-out Date and Time
11 Feb 2023 9 Am- 14 Feb 2023 10Am

Adults & Children's
2 Adults | 0 Children

Check Availability

From 11 Feb 2023 9 Am To 14 Feb 2023 10 Am

Adults - 2 + Children - 0 +

11 Feb - 14 Feb | 2 Adults | 0 Children

Check Availability

Interface no. 7

Interface Name. Rooms availability page

Description. In this page receptionist can select suitable rooms for customer

Vila Ceylon

Dashboard

- Customer Registration
- Rooms Availability**
- Rooms Reservation Page
- Room Reservation Viewer
- Vehicles Availability
- Vehicles Reservation Page
- Vehicle Reservation Viewer
- Food Items Selecting Page
- Food Ordering Page
- Food Orders viewer Page
- Customer Payment
- Customer Final Bills
- Monthly Reports

Vila Ceylon, Katunayake

Check-in & check-out Date and Time: 11 Feb 2023 9 Am - 14 Feb 2023 10Am

Adults & Children's: 2 Adults | 0 Children

Check Availability

Single Room Room ID : Room 001 one night RS 5000/-

Double Room Room ID : Room 003 one night RS 7000/-

Reserve Now

- One Bed
- Hotel WiFi
- Air Conditioning
- Satellite TV

Room Type	Room ID	People	Pre Payment	Duration	Price	Status	Action
Single Room	R001	1 people	No Pre Payment	one night	RS 5000/-	Available	Select
Single Room	R002	1 people	No Pre Payment	one night	RS 5000/-	Available	Select
Double Room	R003	2 people	No Pre Payment	one night	RS 7000/-	Available	Select
Triple Room	R006	3 people	No Pre Payment	one night	RS 10,000/-	Available	Select
Family Room	R006	5 people	No Pre Payment	one night	RS 20,000/-	Available	Select

Interface no. 8

Interface Name. Room reservation page

Description. This is the page receptionist can add room reservation details

The screenshot displays the 'Vila Ceylon' room reservation interface. On the left is a sidebar menu with options: Dashboard, Customer Registration, Rooms Availability, Rooms Reservation Page (highlighted), Room Reservation Viewer, Vehicles Availability, Vehicles Reservation Page, Vehicle Reservation Viewer, Food Items Selecting Page, Food Ordering Page, Food Orders viewer Page, Customer Payment, Customer Final Bills, and Monthly Reports. The main content area features a header image of a hotel interior with the text 'Vila Ceylon, Katunayake'. Below this, the form is divided into 'Customer Details' and 'Reservation Details' sections. The 'Customer Details' section includes fields for Customer Passport or NIC number (238423492343V), Customer ID (Cus_01), First Name (Buddhima), Last Name (Jayasanka), Email (Buddhima@gmail.com), and Phone No (+94 769224827, +94 768329920). The 'Reservation Details' section includes Check in date and time (11 Feb 2023 10 AM), Check out date and time (14 Feb 2023 10 AM), Guests (2 Adults), Nights (3), Reservation Date (10 Feb 2023), and Receptionist ID (RE001). A 'Room Details' table lists two rooms: Room ID : Room 001 (Single Room, 1 room, Rs 15,000) and Room ID : Room 003 (Double Room, 1 room, Rs 21,000), with a Total Amount of Rs 36,000. At the bottom, there are buttons for 'Confirm Reservation', 'Go to Payment Page', 'Wanna see Reservation?', and 'Reserve Vehicles'.

Customer Details		Reservation Details	
Customer Passport or NIC number	238423492343V	Check in date and time	11 Feb 2023 10 AM
Customer ID	Cus_01	Check out date and time	14 Feb 2023 10 AM
First Name	Buddhima	Guests	2 Adults
Last Name	Jayasanka	Nights	3
Email	Buddhima@gmail.com	Reservation Date	10 Feb 2023
Phone No	+94 769224827 +94 768329920	Receptionist ID	RE001

Room Details		No of rooms	
Room ID : Room 001	Single Room	1	Rs 15,000
Room ID : Room 003	Double Room	1	Rs 21,000
Total Amount			Rs 36,000

Confirm Reservation

Go to Payment Page

Wanna see Reservation ?

Reserve Vehicles

Interface no. 9

Interface Name. Room reservation viewer

Description. In this page receptionist can see all customer rooms reservations and same time receptionist can update , delete room reservation

Vila Ceylon

Dashboard

Customer Registration

Rooms Availability

Rooms Reservation Page

Room Reservation Viewer

Vehicles Availability

Vehicles Reservation Page

Vehicle Reservation Viewer

Food Items Selecting Page

Food Ordering Page

Food Orders viewer Page

Customer Payment

Customer Final Bills

Monthly Reports

Vila Ceylon, Katunayake

Room Reservation ID	Room Reservation Date	Customer Name	Checking Date & Time	Checkout Date & Time	No of Rooms	Total Amount	Receptionist ID	Action
RR001	10 Feb 2023	Buddhima Arambepola	11 Feb 2023 10 AM	14 Feb 2023 10 AM	2	Rs 36,000	RE001	Go to Payment
RR002	11 Feb 2023	Adriyan Jayasuriya	12 Feb 2023 11 AM	14 Feb 2023 11 AM	2	Rs 20,000	RE001	Go to Payment
RR003	12 Feb 2023	Chamini Jayasinha	13 Feb 2023 12 AM	15 Feb 2023 12 AM	2	Rs 30,000	RE001	Go to Payment
RR004	13 Feb 2023	Imrah Haniffa	14 Feb 2023 1 PM	17 Feb 2023 1 PM	1	Rs 40,000	RE001	Go to Payment
RR005	14 Feb 2023	Janidu Rathnayake	15 Feb 2023 3 PM	18 Feb 2023 3 PM	2	Rs 50,000	RE001	Go to Payment
RR005	15 Feb 2023	Ranidu Nirmal	16 Feb 2023 4 PM	17 Feb 2023 4 PM	1	Rs 10,000	RE002	Go to Payment

Description. This page is related to vehicle availability page in this page receptionist Fill the customer required data and click check availability

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Interface no. 11

Interface Name. Vehicles availability page

Description. In this page shows matching records for customer pickup location drop off location

Pick up date time and drop off date times

Vila Ceylon

- Dashboard
- Customer Registration
- Rooms Availability
- Rooms Reservation Page
- Room Reservation Viewer
- Vehicles Availability**
- Vehicles Reservation Page
- Vehicle Reservation Viewer
- Food Items Selecting Page
- Food Ordering Page
- Customer Payment
- Customer Final Bills
- Monthly Reports

Vila Ceylon, Katunayake

Colombo Airport Vila Ceylon 11 Feb 2023 9 Am 11 Feb 2023 10 Am

Please Enter Total Distance
5.8 Kilometers

Small Car Vehicle ID V001
Vehicle ID V001
Number Plate CBC 0016
Amount Rs 3500/-
Reserve Now

Small Car Vehicle ID V001
4 seats Manual
1 Large Bags Rental for 1 Kilometer Rs 600
Number Plate CBC 0016 Available **Rs 3500 /-**

Medium Size Car Vehicle ID V002
5 seats Manual
1 Large Bags Rental for 1 Kilometer Rs 800
Number Plate DBC 0220 Available **Rs 4500 /-**

Van
6 seats Manual
1 Large Bags Rental for 1 Kilometer Rs 1000
Number Plate ABC 0220 Available **Rs 5800 /-**

Interface no. 12

Interface Name. Vehicle reservation page

Description. In this page receptionist enter the customer vehicle reservation details

The screenshot displays the 'Vila Ceylon' vehicle reservation interface. On the left is a sidebar menu with options: Dashboard, Customer Registration, Rooms Availability, Rooms Reservation Page, Room Reservation Viewer, Vehicles Availability, Vehicles Reservation Page (highlighted), Vehicle Reservation Viewer, Food Items Selecting Page, Food Ordering Page, Food Orders viewer Page, Customer Payment, Customer Final Bills, and Monthly Reports. The main content area features a header image of a hotel interior with the text 'Vila Ceylon, Katunayake'. Below this, the form is divided into sections: 'Customer Details' (including fields for Passport/NIC number, Customer ID, First Name, Last Name, Email, and Contact No.), 'Reservation Details' (including Pick-up Location, Drop-off Location, Reservation Date, Pick-up Date & Time, Drop-off Date & Time, and Receptionist ID), and 'Vehicle Details' (showing 'Small Car' for 1 unit at Rs 3500/-, with a total amount of Rs 3500/-). At the bottom, there are two green buttons: 'Confirm Reservation' and 'Go to Payment Page', followed by a link 'Wanna see Reservation ?' and an 'Order Foods' button.

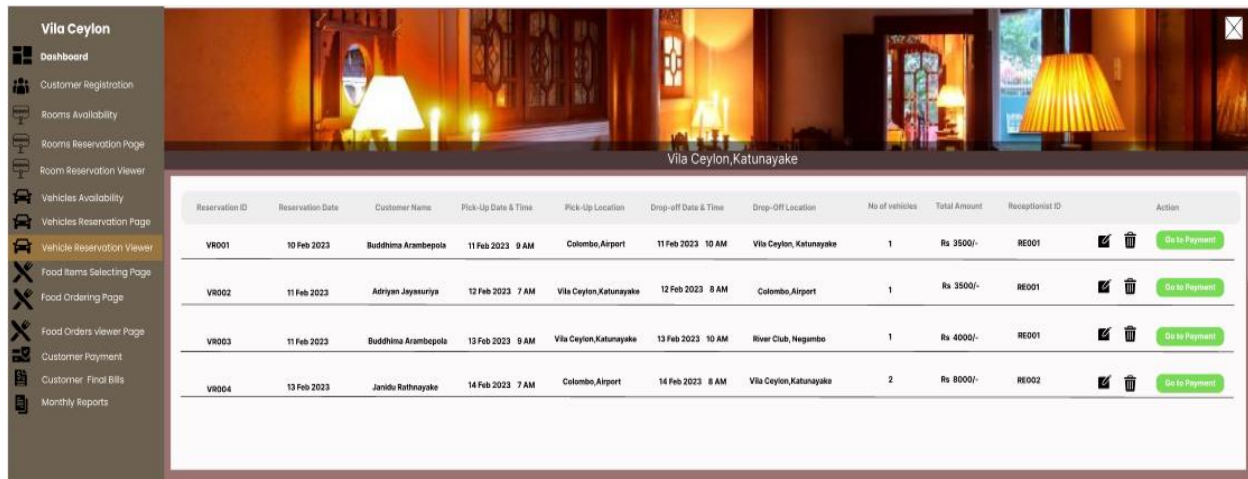
Customer Details		Reservation Details	
Customer Passport or NIC number	238423492343V	Pick-up Location	Colombo, Airport
Customer ID	Cus_01	Drop-off Location	Vila Ceylon, Katunayake
First Name	Buddhima	Reservation Date	10 Feb 2023
Last Name	Jayasanka	Pick-up Date & Time	11 Feb 2023 9 AM
Email	Buddhima@gmail.com	Drop-off Date & Time	11 Feb 2023 10 AM
Contact No	+94 769224827 +94 768329920	Receptionist ID	RE001
Vehicle Details			
Small Car	1	Rs 3500/-	
Total Amount		Rs 3500/-	









[Confirm Reservation](#)
[Go to Payment Page](#)
[Wanna see Reservation ?](#)
[Order Foods](#)

Interface no. 13

Interface Name. Vehicle reservation viewer

Description. In this page receptionist can add new customer food order and also can update



Reservation ID	Reservation Date	Customer Name	Pick-Up Date & Time	Pick-Up Location	Drop-off Date & Time	Drop-off Location	No of vehicles	Total Amount	Receptionist ID	Action
VR001	10 Feb 2023	Buddhima Arambepola	11 Feb 2023 9 AM	Colombo, Airport	11 Feb 2023 10 AM	Vila Ceylon, Katunayake	1	Rs 3500/-	RE001	  Go to Payment
VR002	11 Feb 2023	Adriyan Jayasuriya	12 Feb 2023 7 AM	Vila Ceylon, Katunayake	12 Feb 2023 8 AM	Colombo, Airport	1	Rs 3500/-	RE001	  Go to Payment
VR003	11 Feb 2023	Buddhima Arambepola	13 Feb 2023 9 AM	Vila Ceylon, Katunayake	13 Feb 2023 10 AM	River Club, Negombo	1	Rs 4000/-	RE001	  Go to Payment
VR004	13 Feb 2023	Jaridu Rathnayake	14 Feb 2023 7 AM	Colombo, Airport	14 Feb 2023 8 AM	Vila Ceylon, Katunayake	2	Rs 8000/-	RE002	  Go to Payment

Interface no. 14

Interface Name. Food Items selecting page

Description. In this page receptionist can select customer favor food items

Vila Ceylon

Dashboard

- Customer Registration
- Rooms Availability
- Rooms Reservation Page
- Room Reservation Viewer
- Vehicles Availability
- Vehicles Reservation Page
- Vehicle Reservation Viewer
- Food Items Selecting Page**
- Food Ordering Page
- Food Orders viewer Page
- Customer Payment
- Customer Final Bills
- Monthly Reports

Vila Ceylon, Katunayake

Rice Only for 1 person

Chicken rice	2	Rs 800
Sea Food rice		Rs 900
Nasi Goo ran rice		Rs 1000

Pizza Only for 1 person

Chicken Pizza		Rs 1000
Sea Food Pizza		Rs 1200
Beef Pizza		Rs 1500

Lazza

Chicken Lazza	1	Rs 1500
---------------	---	---------

Chopsy

Garlic Chopys		Rs 600
---------------	--	--------

Chicken rice	Rs 800 * 2	1600
Chicken Lazza	Rs 1500 * 1	1500
TOTAL		Rs. 3100

[Go to Food Order Process](#)

Interface no.15

Interface Name. Food Ordering page

Description. This the page receptionist can add customer food order details

The screenshot displays the 'Vila Ceylon' food ordering interface. On the left is a dark sidebar menu with icons and labels for various system functions. The main content area features a header image of a restaurant interior with the text 'Vila Ceylon, Katunayake'. Below the header, the interface is divided into sections for customer details, order date, receptionist ID, and food order details. The food order details section includes a table with items like 'Chicken rice' and 'Chicken Lazza', their quantities, and prices. At the bottom, there are green buttons for 'Confirm Order' and 'Go to Payment Page', along with a link to view food orders.

Vila Ceylon

- Dashboard
- Customer Registration
- Rooms Availability
- Rooms Reservation Page
- Room Reservation Viewer
- Vehicles Availability
- Vehicles Reservation Page
- Vehicle Reservation Viewer
- Food Items Selecting Page
- Food Ordering Page**
- Food Orders viewer Page
- Customer Payment
- Customer Final Bills
- Monthly Reports

Vila Ceylon, Katunayake

Customer Details

Customer Passport or NIC number: 238423492343V

Customer ID: Cus_01

First Name: Buddhima, Last Name: Jayasanka

Email: Buddhima@gmail.com, Contact No: +94 769224827, +94 768329920

Order Date: 11 Feb 2023

Receptionist ID: RE001

Food order Details

Chicken rice	2	1600
Chicken Lazza	1	1500
Total Amount		3100

[Confirm Order](#)

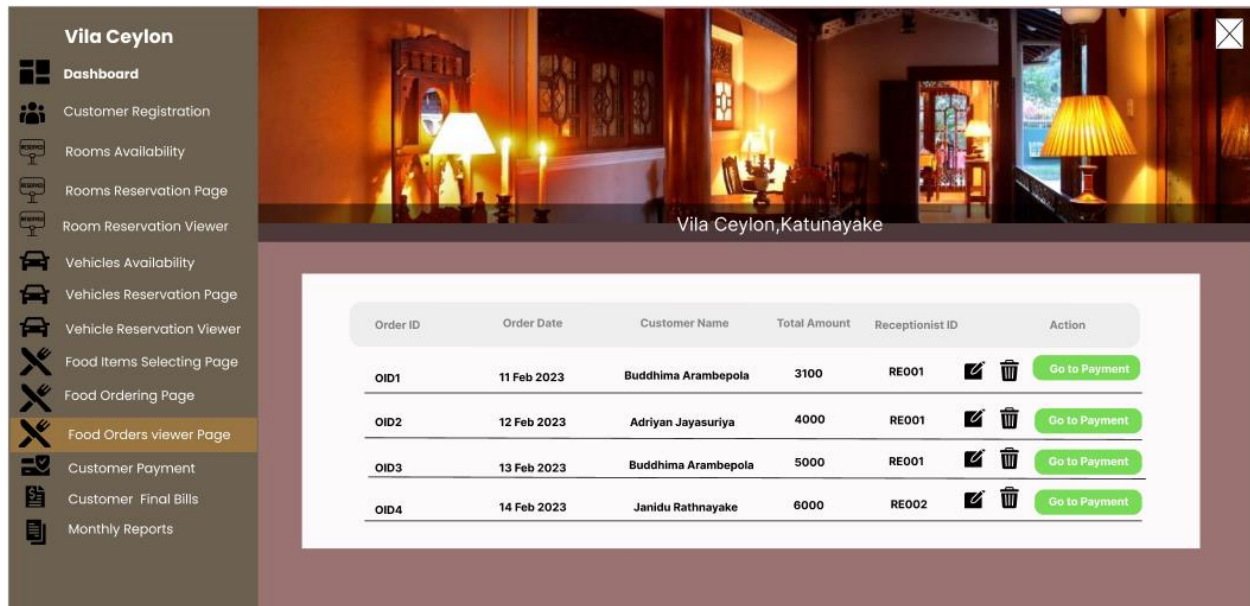
[Go to Payment Page](#)

[Wanna see Food Order ?](#)

Interface no.16

Interface Name. Food Order viewer









Description. In this page receptionist can view customer food order and also can update and delete



Vila Ceylon

- Dashboard
- Customer Registration
- Rooms Availability
- Rooms Reservation Page
- Room Reservation Viewer
- Vehicles Availability
- Vehicles Reservation Page
- Vehicle Reservation Viewer
- Food Items Selecting Page
- Food Ordering Page
- Food Orders viewer Page**
- Customer Payment
- Customer Final Bills
- Monthly Reports

Vila Ceylon, Katunayake

Order ID	Order Date	Customer Name	Total Amount	Receptionist ID	Action
OID1	11 Feb 2023	Buddhima Arambepola	3100	RE001	  Go to Payment
OID2	12 Feb 2023	Adriyan Jayasuriya	4000	RE001	  Go to Payment
OID3	13 Feb 2023	Buddhima Arambepola	5000	RE001	  Go to Payment
OID4	14 Feb 2023	Janidu Rathnayake	6000	RE002	  Go to Payment

Interface no.17

Interface Name. Customer Payment Page

Description. In this page receptionist add customer payment options, payment dates

Vila Ceylon

Dashboard

Customer Registration

Rooms Availability

Rooms Reservation Page

Room Reservation Viewer

Vehicles Availability

Vehicles Reservation Page

Vehicle Reservation Viewer

Food Items Selecting Page

Food Ordering Page

Food Orders viewer Page

Customer Payment

Customer Final Bills

Monthly Reports

Payment Details Page

Room Reservation Details

Reservation ID# RR001

Room ID	Room Type	No of Rooms	One Night price	Amount
Room 001	Single Room	1	Rs 5,000	Rs 15,000
Room 003	Double Room	1	Rs 7,000	Rs 21,000

Vehicle Reservation Details

Reservation ID # VR001

Vehicle ID	Vehicle Type	No of Cars	Rental per Kilometer	
V001	Small Car	1	Rs 600	Rs 3,500

Vehicle Reservation Details

Reservation ID # VR003

Vehicle ID	Vehicle Type	No of Cars	Rental per Kilometer	
V004	Small Car	1	Rs 600	Rs 4,000

Food Order Details

Order ID # OID1

Food Item ID	Food Item Name	Order Quantity	Food Item Price	
F001	Chicken rice	2	Rs 800	Rs 1600
F007	Chicken Lazza	1	Rs 1500	Rs 1500

Food Order Details

Order ID # OID3

Food Item ID	Food Item Name	Order Quantity	Food Item Price	
F001	Chicken rice	3	Rs 800	Rs 2400
F003	Nasi Gooran	2	Rs 1000	Rs 2000
F008	Garlic Chopsy	1	Rs 600	Rs 600

Sub Total

Rs 51,000

Rs 52,000

Total Paid

Rs 1,000

Balance

Rs 1,000

Please choose payment method

Cash

Card

Please choose payment Date

25 Feb 2023

Receptionist ID

RE001

Pay

Payment Successful

Payment Successful Would you like to print Bill ?

NO

Yes

Interface no.18

Interface Name. Customer final Bills

Description. In this page Receptionist can see customers final bill's and can generate and view each customer final bill in same time

Vila Ceylon
Dashboard
Customer Registration
Rooms Availability
Rooms Reservation Page
Room Reservation Viewer
Vehicles Availability
Vehicles Reservation Page
Vehicle Reservation Viewer
Food Items Selecting Page
Food Ordering Page
Food Orders viewer Page
Customer Payment
Customer Final Bills
Monthly Reports

Customer Final Bill's

Bill ID	Bill Issue Date	Customer Name	Payment ID	Payment Amount	Receptionist ID	Action
BID1	25 Feb 2023	Buddhima Arambepola	P001	27,600	RE001	View
BID2	26 Feb 2023	Adriyan Jayasuriya	P001	27,000	RE001	View
BID3	27 Feb 2023	Janidu Rathnayake	P001	30,000	RE001	View
BID4	28 Feb 2023	Chami Jayasinha	P001	35,000	RE002	View

-Bill print Option

Interface no.19

Interface Name. Monthly reports generations

Description. In this page receptionist generate monthly reports

Vila Ceylon
Dashboard
Customer Registration
Rooms Availability
Rooms Reservation Page
Room Reservation Viewer
Vehicles Availability
Vehicles Reservation Page
Vehicle Reservation Viewer
Food Items Selecting Page
Food Ordering Page
Food Orders viewer Page
Customer Payment
Customer Final Bills
Monthly Reports

Monthly reports Generator

Please Select Monthly Reports Type

Monthly Room reservation report
Monthly Vehicle reservation report
Monthly Food Order report

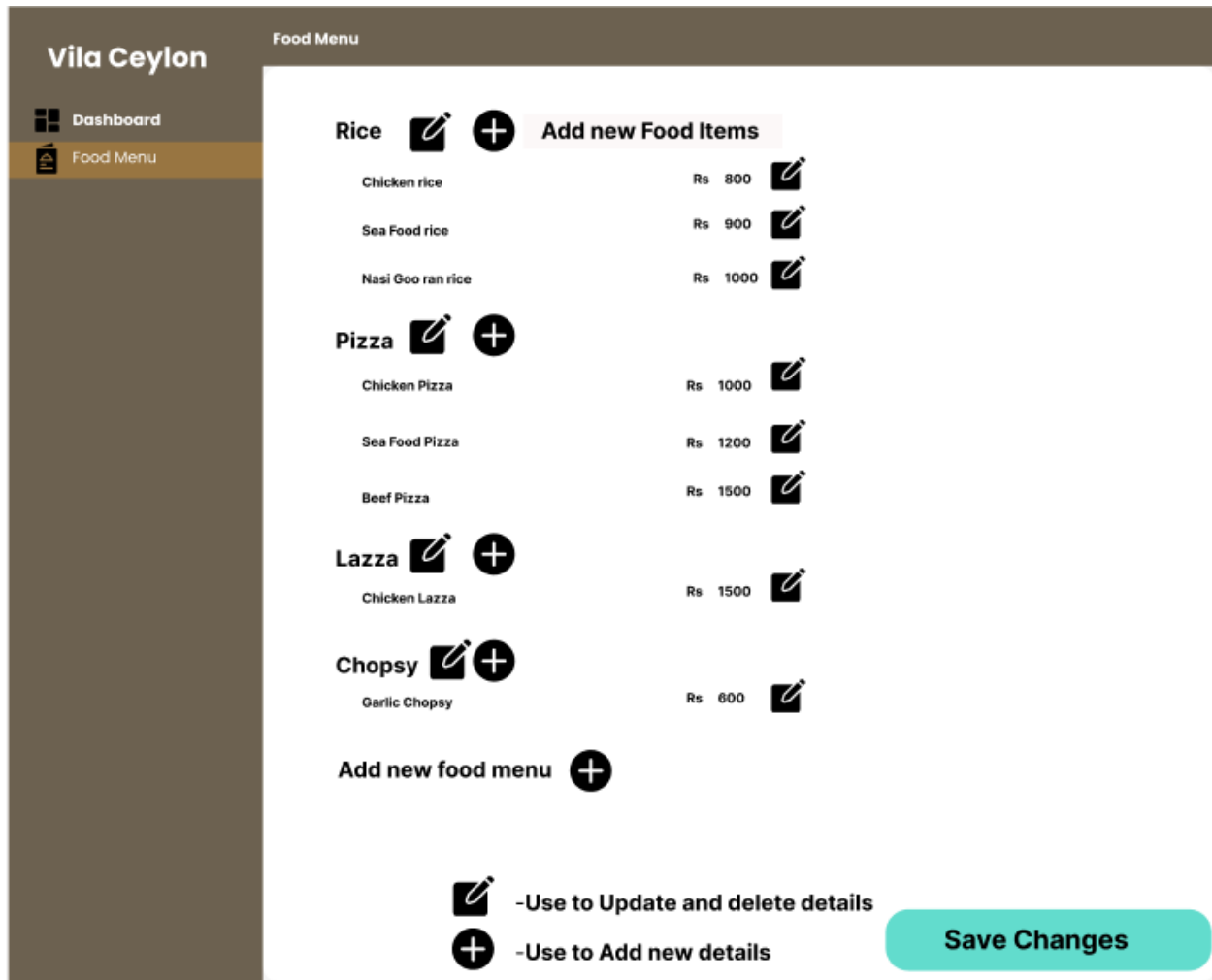
Generate

Supervisor UI

Interface no.20

Interface Name. Food Menu

Description. In this page supervisor can add food menu items ,can add new food menus ,can edit food menu details and also can delete

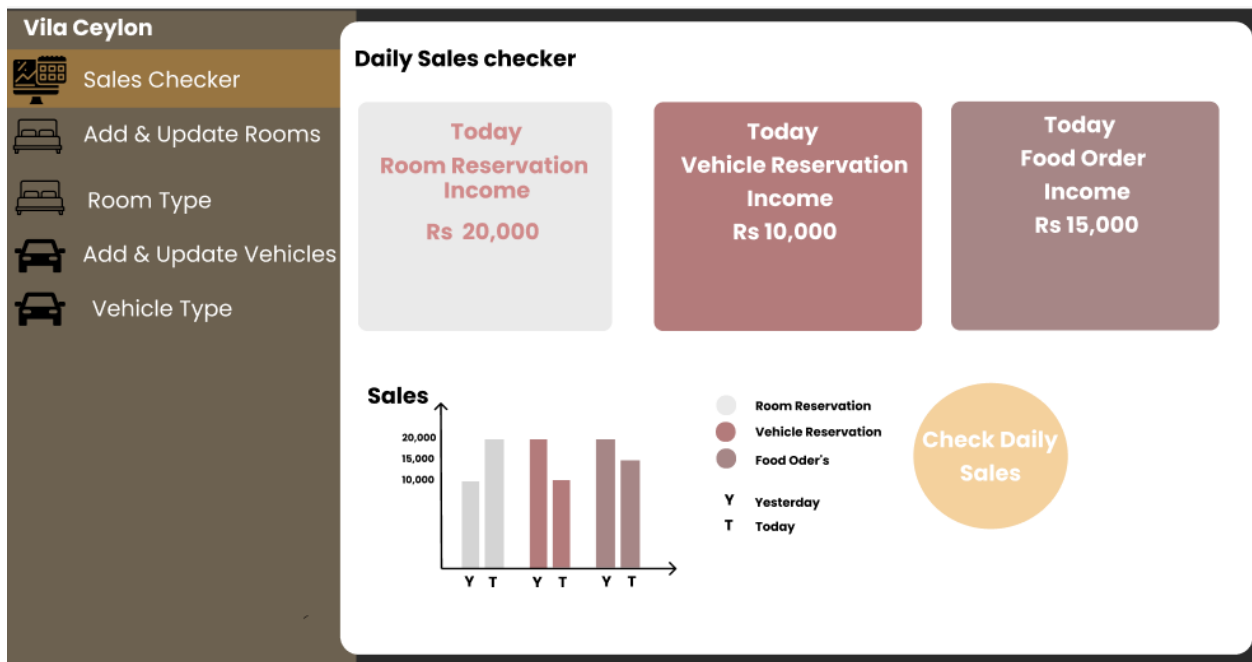


Manager

Interface no.21

Interface Name. Manager hotel sales checking user interface

Description. In this page manager click the check sales button it will be show daily sales and comparison between daily sales and yesterday sales amounts



Interface no.22

Interface Name. Add & Update room details

Description. In this page Manager can add new rooms to system and also can update and delete Room details

Vila Ceylon


Sales Checker

Add & Update Rooms

Room Type

Add & Update Vehicles

Vehicle Type



Single Room

1 people

Room ID : Room 001

No Pre Payment

one night

More Information

Available


RS 5000/-

- One Bed

- Hotel WiFi

- Air Conditioning

- Satellite TV



Single Room

1 people

Room ID : Room 002


No Pre Payment

one night

More Information

Available

RS 5000/-



Single Room

1 people

Room ID : Room 003

No Pre Payment

one night

More Information

Available

RS 5000/-

+ Add new room

+ ADD Picture

Room Type

Room ID : Room 004

Add room description

Single Room

Double Room

Triple Room

Family Room

More Information

Un available

Add room description

Add details

Save Changes

70

Interface no.23

Interface Name. Room Types

Description. In this page Manager will update room type details, delete room type details,

Vila Ceylon

- Sales Checker
- Add & Update Rooms
- Room Type**
- Add & Update Vehicles
- Vehicle Type

Single Room

Room Type ID : RT01

Room Type Name: Single Room

Room Price : Rs 5000

Double Room

Room Type ID : RT02

Room Type Name: Double Room

Room Price : Rs 7000

Triple Room

Room Type ID : RT03

Room Type Name: Triple Room

Room Price : Rs 10,000

Family Room

Room Type ID : RT04

Room Type Name: Family Room

Room Price : Rs 20,000

+ Add new Room Type

Add new Room Type Name

Add Room Price

Add details

Save Changes

Description. In this page Manager can Add new vehicles, Updates system existing vehicles and Also can delete



Interface no.25

Interface Name. Vehicle Type

Description. In this page Manager can add new vehicle types, also can update vehicle type details and delete

Vila Ceylon

- Sales Checker
- Add & Update Rooms
- Room Type
- Add & Update Vehicles
- Vehicle Type**

Small Car
Vehicle Type ID : VT01
Vehicle Type Name: Small Car
Vehicle Price : Rs 600

Medium Size Car
Room Type ID : RT02
Room Type Name: Medium Size Car
Room Price : Rs 800

Van
Room Type ID : RT03
Room Type Name: Triple Room
Room Price : Rs 10,000

Add new Vehicle Type
Add new Room Type Name
Add Room Price

Add details **Save Changes**

Chairmen

Interface no.26

Interface Name. View report User Interface

Description. In this page Chairmen can view all monthly reports

The screenshot shows a web application interface for 'Vila Ceylon'. On the left is a dark brown sidebar with the text 'Vila Ceylon' at the top. Below it are two menu items: 'Dashboard' with a small square icon and 'Monthly reports' with a small document icon. The 'Monthly reports' item is highlighted with an orange background. The main content area has a white background and is titled 'Monthly reports viewer' in bold black text. Below the title, there is a prompt 'Please Select Monthly Reports Type' followed by a grey dropdown menu with a black downward arrow. The dropdown menu is open, showing three options: 'Monthly Room reservation report', 'Monthly Vehicle reservation report', and 'Monthly Food Order report'. At the bottom right of the main content area, there is a teal button with the text 'View'.

4.3 Database Design

Table No: 1

Table Name: Customer

Primary key: - Customer_ID

Field Names	Data Types	Data Size	Description
Customer_ID	Text	05	Customer ID
First_Name	Text	15	Customer First Name
Last_Name	Text	15	Customer Last Name
Customer_Email	Text	25	Customer Email
House_No	Text	05	Customer Address House No
Street	Text	15	Customer Address Street
City	Text	15	Customer Address City
Cus_NIC_&Passport	Text	12	Customer NIC or Passport no
Customer_Gender	Text	10	Customer Gender
Record Size	117		

Table No: 2

Table Name: Customer Phone

Foreign Key: Customer_ID

Field Names	Data Types	Data Size	Description
Customer_ID	Text	05	Customer_ID
Customer_Phone	Number	10	Customer Phone
Record Size	15		

Table No: 3

Table Name: Room Reservation

Primary key: - Room_reservation_ID

Foreign Key: - Customer_ID, Receptionist_ID

Field Names	Data Types	Data Size	Description
Room_reservation_ID	Text	05	Room Reservation ID
Room_Reservation_Date	Date	10	Room Reservation Date
Check_in_date&time	DateTime	15	Check in date and time
Check_out_date&time	DateTime	15	Check in date and time
No_of_Guests	Number	05	Number of Guests
Room_Reservation_Total_amount	Number	10	Room Reservation Total amount
Customer_ID	Text	05	Customer ID
Receptionist_ID	Text	05	Receptionist_ID
Record Size	70		

Table No: 04

Table Name: Room

Primary Key: - Room_ID

Foreign Key :- RoomType_ID

Field Name	Data Types	Data Size	Description
Room_ID	Text	05	Room ID
RoomType_ID	Text	05	Room Type ID
Room_Description	Text	20	Room Description
Room_Status	Text	05	Room Status
Record Size	35		

Table No: 05

Table Name : Room Reservation Room

Primary Keys : Room_reservation_ID, Room_ID

Foreign Keys: Room_reservation_ID, Room_ID

Field Name	Data Types	Data Size	Description
Room_reservation_ID	Text	05	Room reservation ID
Room_ID	Text	05	Room ID
No_of_rooms	Number	05	Number of rooms
Room_Reservation_Sub_total	Number	10	Room reservation Sub Total
Record Size	25		

Table No: 06

Table Name : RoomType

Primary key : RoomType_ID

Foreign key: Room_ID

Field Name	Data Types	Data Size	Description
RoomType_ID	Text	05	Room Type ID
Room_ID	Text	05	Room ID
RoomType_Name	Text	10	Room Type Name
Room_Price	Number	05	Room Type Price
Record Size	20		

Table No: 07

Table Name: Vehicle Reservation

Primary key: - Vehicle_reservation_ID

Foreign Key: - Customer_ID, Receptionist_ID

Field Names	Data Types	Data Size	Description
Vehicle_reservation_ID	Text	05	Vehicle Reservation ID
Vehicle_Reservation_Date	Date	10	Vehicle Reservation Date
Pickup_Date&time	DateTime	15	Pickup Date and Time
Pickup_location	Text	10	Pickup location
Drop_Date&time	DateTime	15	Drop Date and Time
Drop_Location	Text	10	Drop Location
Vehicle_Reservation_Total_Amount	Number	10	Vehicle Reservation Total amount
Customer_ID	Text	05	Customer ID
Receptionist_ID	Text	05	Receptionist_ID
Record Size	85		

Table No: 08

Table Name: Vehicle

Primary Key: - Vehicle_ID

Foreign Key: - VehicleType_ID

Field Names	Data Types	Data Size	Description
Vehicle_ID	Text	05	Vehicle ID
VehicleType_ID	Text	05	Vehicle Type ID
Vehicle_Description	Text	20	Vehicle Description
Vehicle_Status	Text	10	Vehicle Status
NumberPlate	Text	15	Vehicle Number Plate
Record Size	55		

Table No: 09

Table Name: Vehicle Reservation Vehicle

Primary keys : Vehicle_reservation_ID, Vehicle_ID

Foreign keys : Vehicle_reservation_ID, Vehicle_ID

Field Name	Data Types	Data Size	Description
Vehicle_reservation_ID	Text	05	Vehicle reservation ID
Vehicle_ID	Text	05	Vehicle ID
No_of_cars	Number	10	Number of Cars
Vehicle_Reservation_Sub_Total	Number	10	Reservation Sub Total
Record Size	30		

Table No: 10

Table Name: Vehicle Type

Primary Key: VehicleType_ID

Field Name	Data Types	Data Size	Description
VehicleType_ID	Text	05	Vehicle Type ID
VehicleType_Name	Text	10	Vehicle Type Name
Vehicle_Price	Number	10	Vehicle Price
Record size	25		

Table No: 11

Table Name: Food Order

Primary Key: Food_Order_ID ,

Foreign keys: Custome_ID, Receptionist_ID

Field Name	Data Types	Data Size	Description
Food_Order_ID	Text	05	Food Order ID
Customer_ID	Text	05	Customer ID
Receptionist_ID	Text	05	Receptionist ID
Order_Date	Date	10	Food Order Date
Order_Unit_price	Number	05	Food order unit Price
Order_Total_amount	Number	10	Food order total amount
Record Size	40		

Table No: 12

Table Name : Food Item

Primary Key: Fooditem_id

Field Name	Data Type	Data Size	Description
Fooditem_id	Text	05	Food Item ID
Food_Item_name	Text	10	Food Item Name
Food_item_price	Number	10	Food item price
Record Size	25		

Table No: 13

Table Name: Food Order Food Item

Primary Keys: Food_Order_ID, Fooditem_id

Foreign keys: Food_Order_ID, Fooditem_id

Field Name	Data Types	Data Size	Description
Food_Order_ID	Text	05	Food Order ID
Order_Date	Date	10	Food Order Date
Food_Item_ID	Text	05	Food Item ID
Order_Sub_Total	Number	10	Order Sub Total
Order_Quantity	Number	10	Order Quantity
Record Size	40		

Table No: 14

Table Name: Food Menu

Primary Key: Food_Menu_ID

Field Name	Data Types	Data Size	Description
Food_Menu_ID	Text	05	Food Menu ID
Food_Menu_Name	Text	10	Food Menu Name
Record Size	15		

Table No: 15

Table Name: Food Menu Item

Primary Keys: Fooditem_ID, Food_Menu_ID

Foreign Keys: Fooditem_ID, Food_Menu_ID

Field Name	Data Type	Data Size	Description
Fooditem_ID	Text	05	Food Item ID
Food_Menu_ID	Text	05	Food Menu ID
FoodMenu_Item_Quantity	Number	10	Food Menu Item Quantity
Record Size	20		

Table No: 16

Table Name: Payment

Primary key: - Payment_ID

Foreign Keys : - Customer_ID, Room_reservation_ID, Vehicle_reservation_ID , Food_order_ID, Receptionist ID

Field Names	Data Types	Data Size	Description
Payment_ID	Text	05	Payment ID
Customer_ID	Text	05	Customer ID
Receptionist_ID	Text	05	Receptionist ID
Room_reservation_ID	Text	05	Room reservation ID
Vehicle_reservation_ID	Text	05	Vehicle reservation ID
Food_Order_ID	Text	05	Food Order ID
Payment_Date	Date	10	Payment Date
Payment_method	Text	05	Payment Method
Payment_amount	Number	15	Payment Amount
Record Size	60		

Table No: 17

Table Name: Final Bill

Primary key: - Bill_ID

Foreign Keys: - Payment_ID, Room_reservation_ID, Vehicle_reservation_ID, Food_order_ID ,
Receptionist_ID

Field Names	Data Types	Data Size	Description
Bill_ID	Text	05	Bill ID
Payment_ID	Text	05	Payment ID
Room_reservation_ID	Text	05	Room reservation ID
Vehicle_reservation_ID	Text	05	Vehicle reservation ID
Food_order_ID	Text	05	Food order ID
Receptionist_ID	Text	05	Receptionist ID
Issue_date	Date	10	Bill Issue date
Record Size	40		

Table No: 18

Table Name: Receptionist

Primary Key:- Receptionist_ID

Field Names	Data Types	Data Size	Description
Receptionist_ID	Text	05	Receptionist ID
Receptionist_Name	Text	15	Receptionist Name
Rec_Email	Text	25	Receptionist Email
Rec_Telephone	Number	10	Receptionist Telephone
Receptionist_Address	Text	20	Receptionist Address
Username	Text	10	Receptionist Username
Password	Text	08	Receptionist Password
Record Size	93		

4.5 Report Layout Design

Report Layout No.1

Report Layout Name. Monthly Room Reservation Report

Description: System generated room reservation report

VILLA
CEYLON

**Monthly Hotel Room Reservation
Income Report
January 2023**

Generated Date and time : 1st of March 2023 05.00 PM

Room Type	No of Rooms Reserved	Room Price	Total Amount
Single Rooms	30	Rs 5000	Rs 400,000
Double Rooms	15	Rs 7000	Rs 600,000
Triple Rooms	10	Rs 10,000	Rs 800,000
Family Rooms	15	Rs 20,000	Rs 1000,000
Revenue	Rs 2800,000		

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Date

.....
Signature

Report Layout No.2

Report Layout Name. Monthly Food Order Report

Description: System generated Monthly food order report

VILLA
CEYLON

**Monthly Hotel Food Order
Income Report
January 2023**

Generated Date and time : 1st of March 2023 05.00 PM

Food Name	Food Price	Quantity Sold	Final Amount
Chicken rice	Rs 800	200	Rs 160,000
Sea Food rice	Rs 900	100	Rs 90,000
Nasi Goo ran rice	Rs 1000	200	Rs 200,000
Revenue	Rs 450,000		

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Date

.....
Signature

Report Layout No.3

Report Layout Name. Monthly Vehicle Reservation Report

Description: System generated Monthly Vehicle Reservation Report

VILLA
CEYLON

**Monthly Hotel Vehicle Reservation
Income Report
January 2023**

Generated Date and time : 1st of March 2023 05.00 PM

Vehicle Type	No of Vehicle Reserved	Vehicle Rental Price	Total Amount
Small Cars	05	Rs 600	Rs 1000,000
Medium Size Cars	10	Rs 800	Rs 150,000
Vans	11	Rs 1000	Rs 1600,000
Revenue	Rs 2750,000		

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Date

.....
Signature

4.6 Chapter Summary

This chapter contains all the interfaces which include interface number, interface names, database designs which includes table numbers, table names and report layout designs which includes report layout number, report layout names of the proposed system.

Chapter 5: Conclusion

Our client's need was to implement a computerized system as the restaurant was having a manual system with lots of paperwork. By gathering the information required from our client according to his needs we were able to create a computerized system which suits his

requirements. The designing of the interfaces and reports were designed by Figma, the use case diagrams, class diagrams, sequence diagrams and er diagrams were designed using the draw.io tool. This proposed system software will enable the client to reduce problems in his existing system and carry out the business efficiently and effectively.

References

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- **What is a Goods Received Note (GRN) & Why Do You Need it Published 21.11.2022**
[What is a Goods Received Note \(GRN\) & Why Do You Need it \(kissflow.com\)](#)
- **Entity-Relationship Diagram Symbols and Notation**
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