



# Darshan University

A Project Report on

## **“Railway Food Management System”**

Under the subject

**Software Engineering (2101CS503)**

B. Tech, Semester – VI

Computer Science & Engineering Department

Submitted By

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Academic Year

(2023-2024)

Internal Guide

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**Computer Science & Engineering  
Department  
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**DECLARATION**

We hereby declare that the SRS, submitted along with the **Software Engineering (2101CS503)** for entitled “**Railway Food Management System**” submitted in partial fulfilment for the Semester-5 of **Bachelor Technology (B. Tech)** in **Computer Science and Engineering (CSE)** Department to Darshan University, Rajkot, is a record of the work carried out at **Darshan University, Rajkot** under the supervision of **Prof. Devangi Kotak** and that no part of any of report has been directly copied from any students’ reports, without providing due reference.

**Ajay Kumar Karmur**

Student’s Signature

Date: \_\_\_\_\_



**Computer Science & Engineering  
Department  
Darshan University**

**CERTIFICATE**

This is to certify that the SRS on “**Railway Food Management System**”  
**has** been satisfactorily prepared by **Ajay Kumar Karmur (21010101007)**  
under my guidance in the fulfillment of the course **Software Engineering**  
**(2101CS503)** work during the academic year 2023-2024.

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## ACKNOWLEDGEMENT

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Thus, in conclusion to the above said, I once again thank the faculties and members of **Darshan University** for their valuable support in completion of the project.

Thanking You

**Ajay Kumar Karmur**

## **ABSTRACT**

Our Proposed system is online food ordering system that enable ease for the customer while traveling long distance by train the main problem we faced is food, to overcome such problem we want to develop web application through which we are ordering food online. The person wants to order food he/her can directly order the food so that the food is delivered directly to the seat and different payment process can take place.

Main purpose of this system is to reduce human efforts as much as possible.

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# 1 Introduction

## 1.1 Product perspective

The railway food delivery system aims to streamline and enhance the process of food delivery on train. This software required specification document outline the function and the non-functional requirement for the development of the system. It provides a comprehensive overview of the system scope, objective and features.

## 1.2 Product Features

1.2.1 There are four different users who will be using this product:

1.2.2 Passenger/Customer

- A user who can place food orders, makes payments and track their delivery.

1.2.3 Kitchen Staff

- Responsible for then preparing and packing food items based on orders.

1.2.4 Delivery Person

- In charge of delivering food order to the respective compartment seat.

1.2.5 Admin

- Add. Remove, keep records of the food, Bills.

## 1.3 Functional Requirement

1.3.1 Passenger

- Registration and authentication: Passengers should be able to login register in to the system.
- Browse Menu: Users can view the available food items and their details.
- Place Order: Can select menu customized it and place order.
- Payment Processing: Integration with payment gateway for the secure online transactions.
- Order Tracking: Users can track the status and location of their food order.
- Order History: Users should have access to their past orders and invoices.
- Reviews: Uses can give review about the meal and services.
- Order Cancelation: Users can able to cancel the order before it is out for delivery.

1.3.2 Kitchen Staff

- Order management: Kitchen staff can view and manage the incoming orders.
- Food Preparation: Staff should have digital interface to prepare food items based on received orders.
- Packing: Packaging options should be available for different food items.
- Order Completion: Mark order as ready for the delivery when the food is prepared and packaged.

1.3.3 Delivery Person

- Order assignment: Delivery person should receive notification for the assigned order.
- Delivery Conformation: Confirm successful delivery and update the status in the system.

1.3.4 Admin

- Menu Management: Add, Update and remove food items from the menu.
- User Management: Manage user accounts, Permission and roles.
- Report and analytics: Generate report and order revenue and system performance.

## 1.4 Non-Functional Requirement

1.4.1 Performance:

- System should handle a large number of concurrent users and process orders efficiently.

1.4.2 Security:

- Implement robust security measures to protect user data, including encryption and secure payment processing.

1.4.3 Reliability:

- The architecture should allow for easy scalability to accommodate future growth and increasing demand.

1.4.4 User Interface:

- Design on intuitive and user-friendly interface for a no scam user experiment.

1.4.5 Compatibility:

- The System should be compatible with different devices and platforms.

## 2 Design and Implementation Constraints

### 2.1 Use case diagram

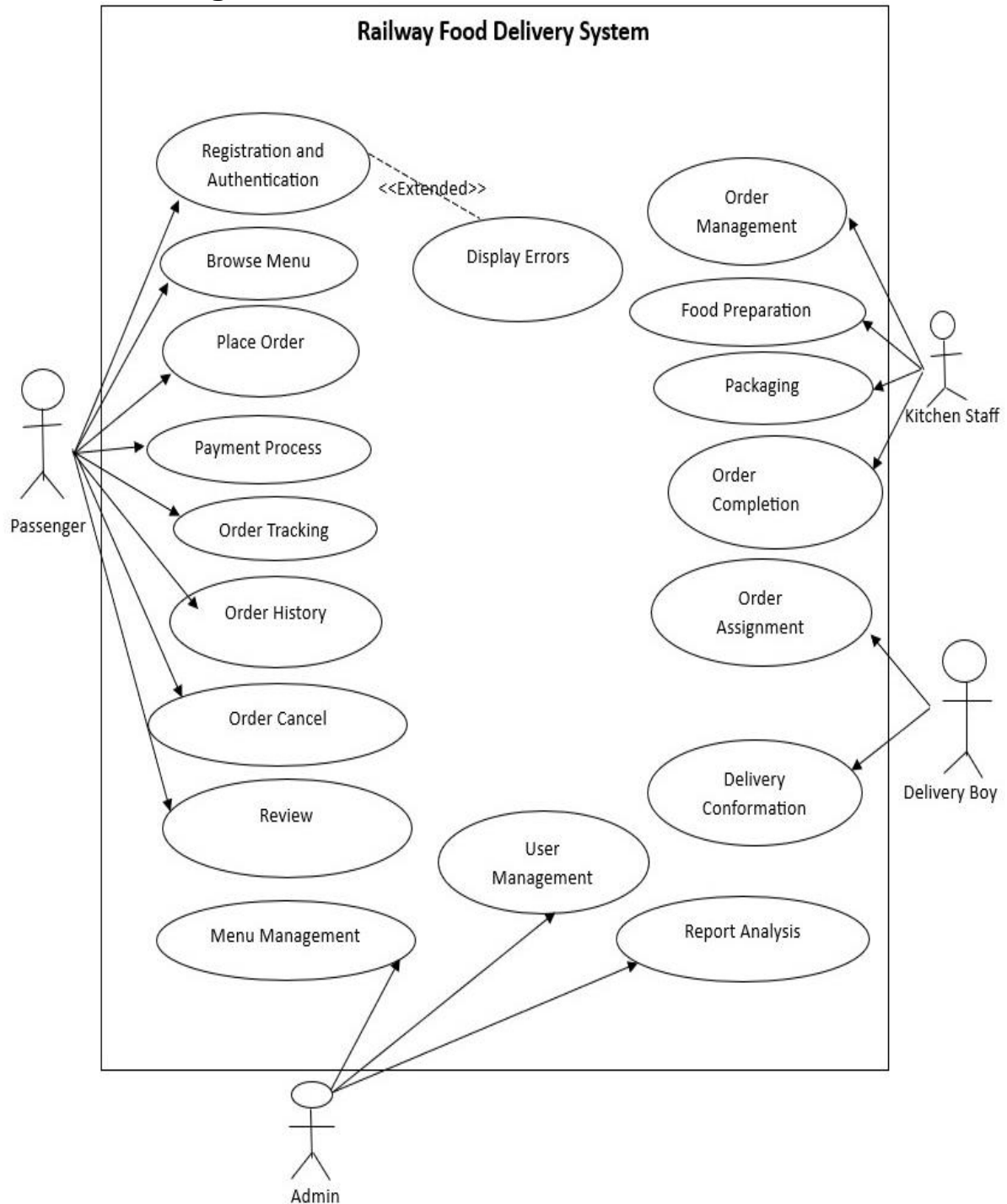


Figure 2.1-1 Use case diagram for Railway Food Delivery System

## 2.2 Activity diagram and Swimlane diagram

### 2.2.1 Activity Diagram for Login

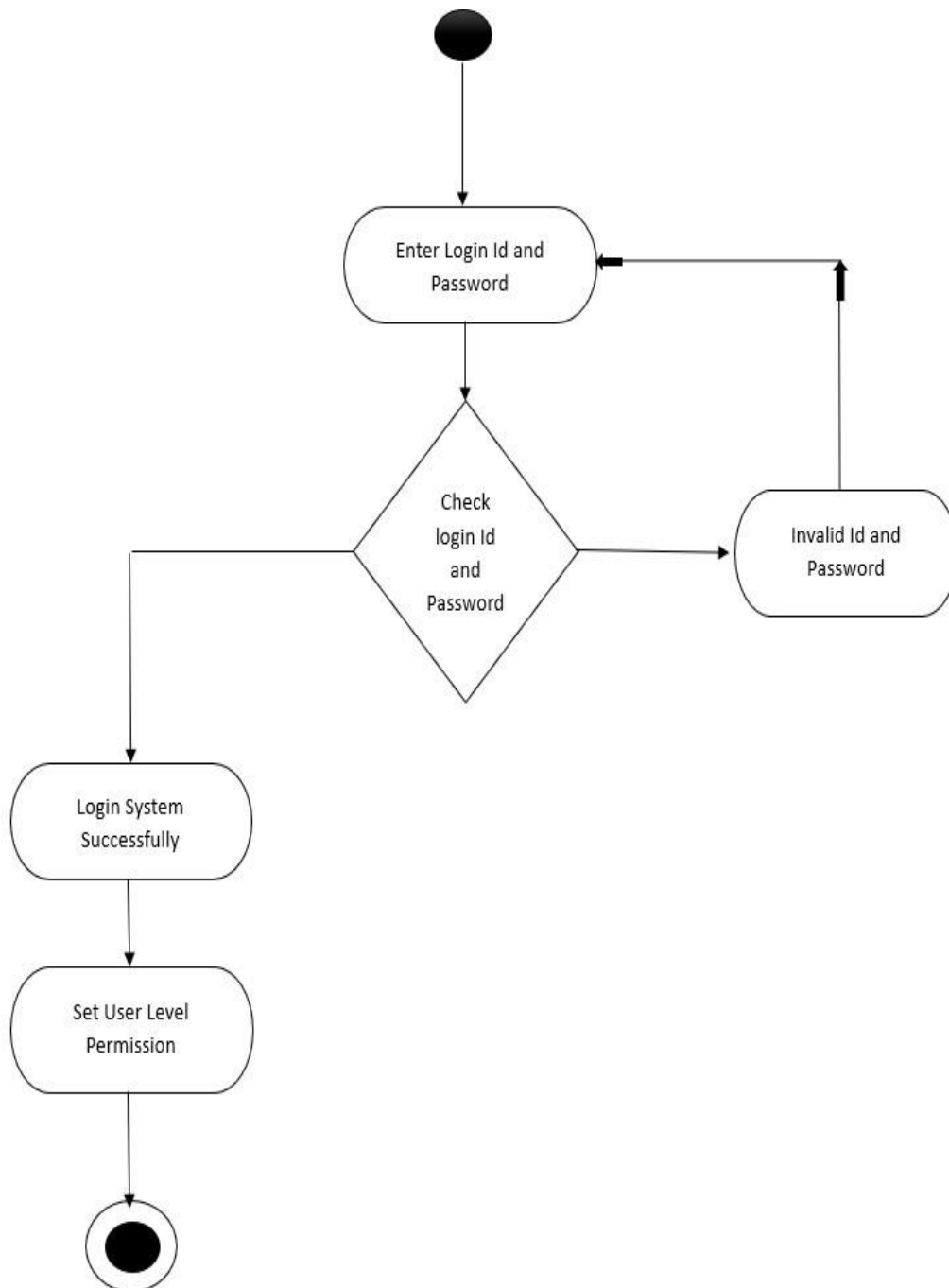


Figure 2.2-1 Activity diagram for Login

### 2.2.2 Activity Diagram for Edit Menu by Admin

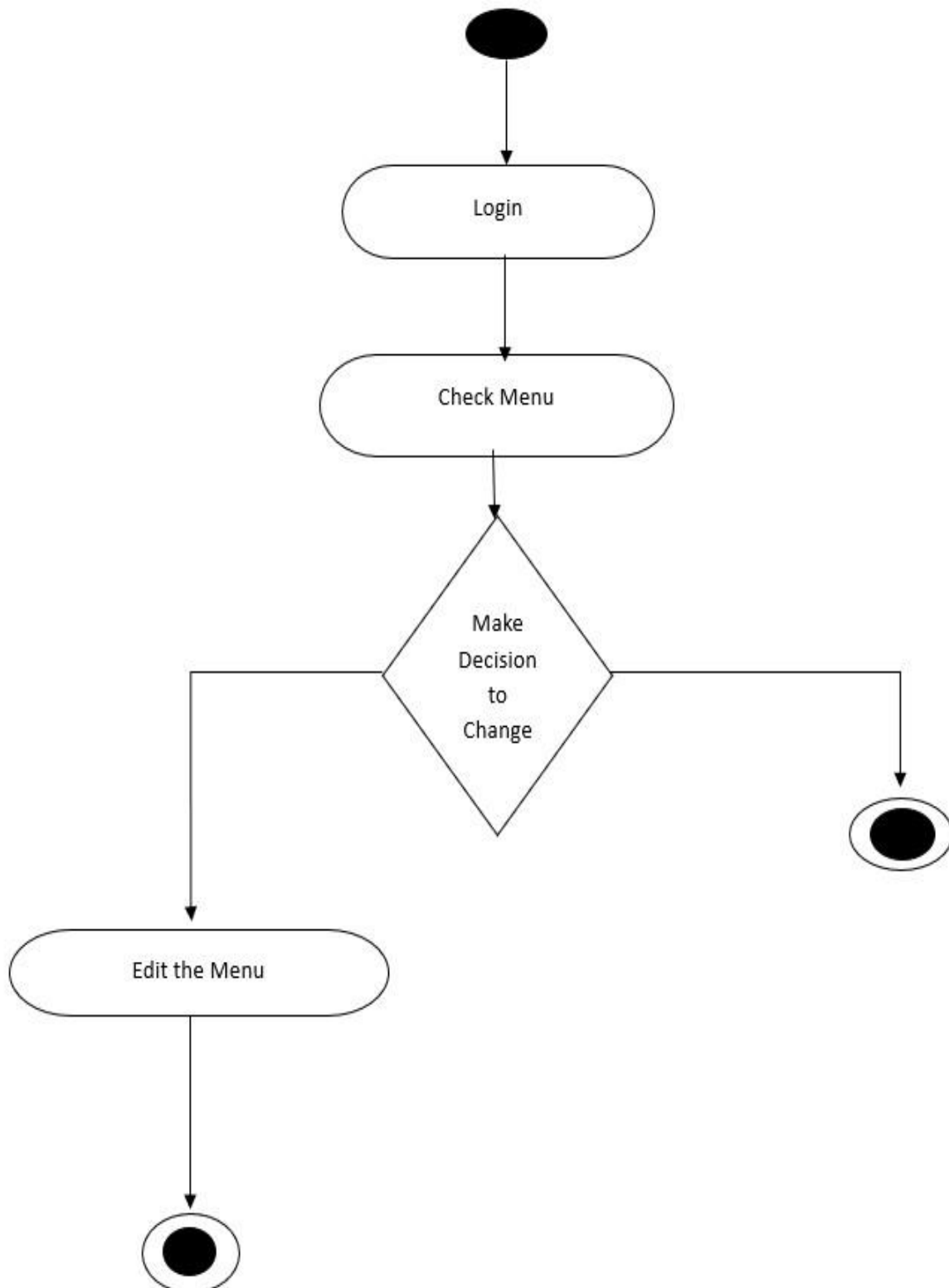


Figure 2.2-2 Activity diagram for Edit Menu by Admin

## 2.2.3 Activity Diagram for Place Order

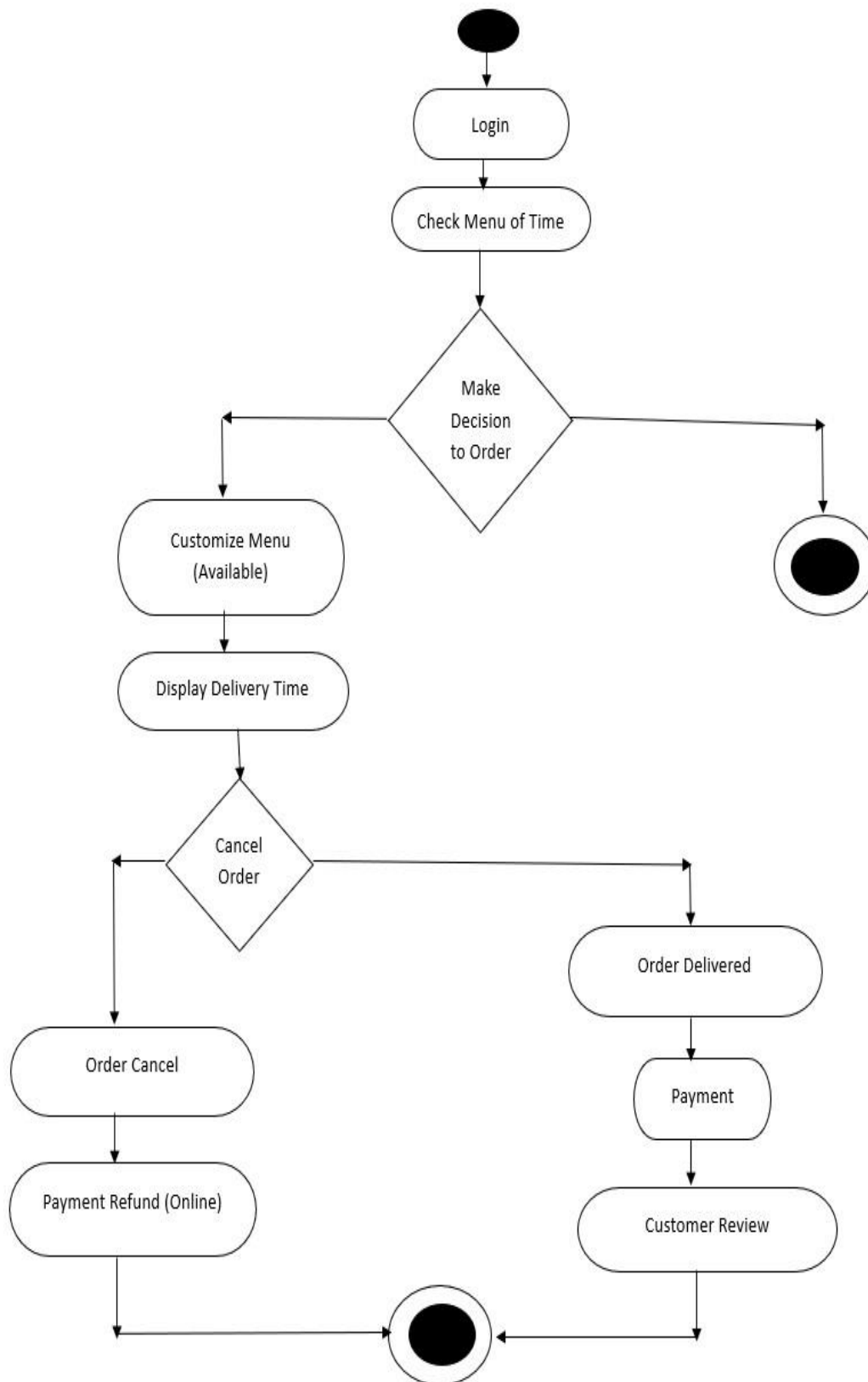


Figure 2.2-3 Activity diagram for Placing Order

## 2.2.4 Swimlane diagram

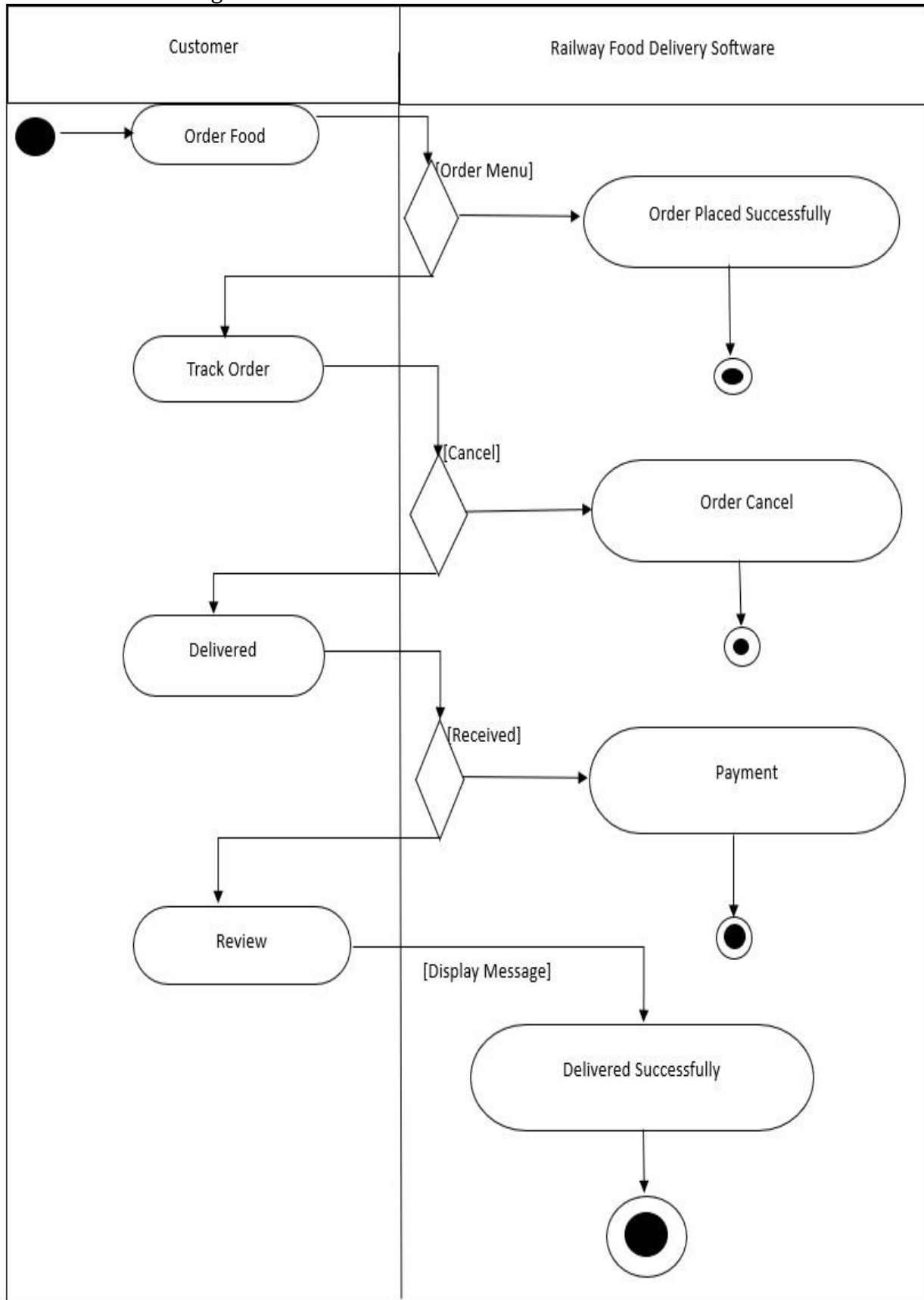


Figure 2.2.4 Swimlane diagram for Order



## 2.3 Sequence diagram

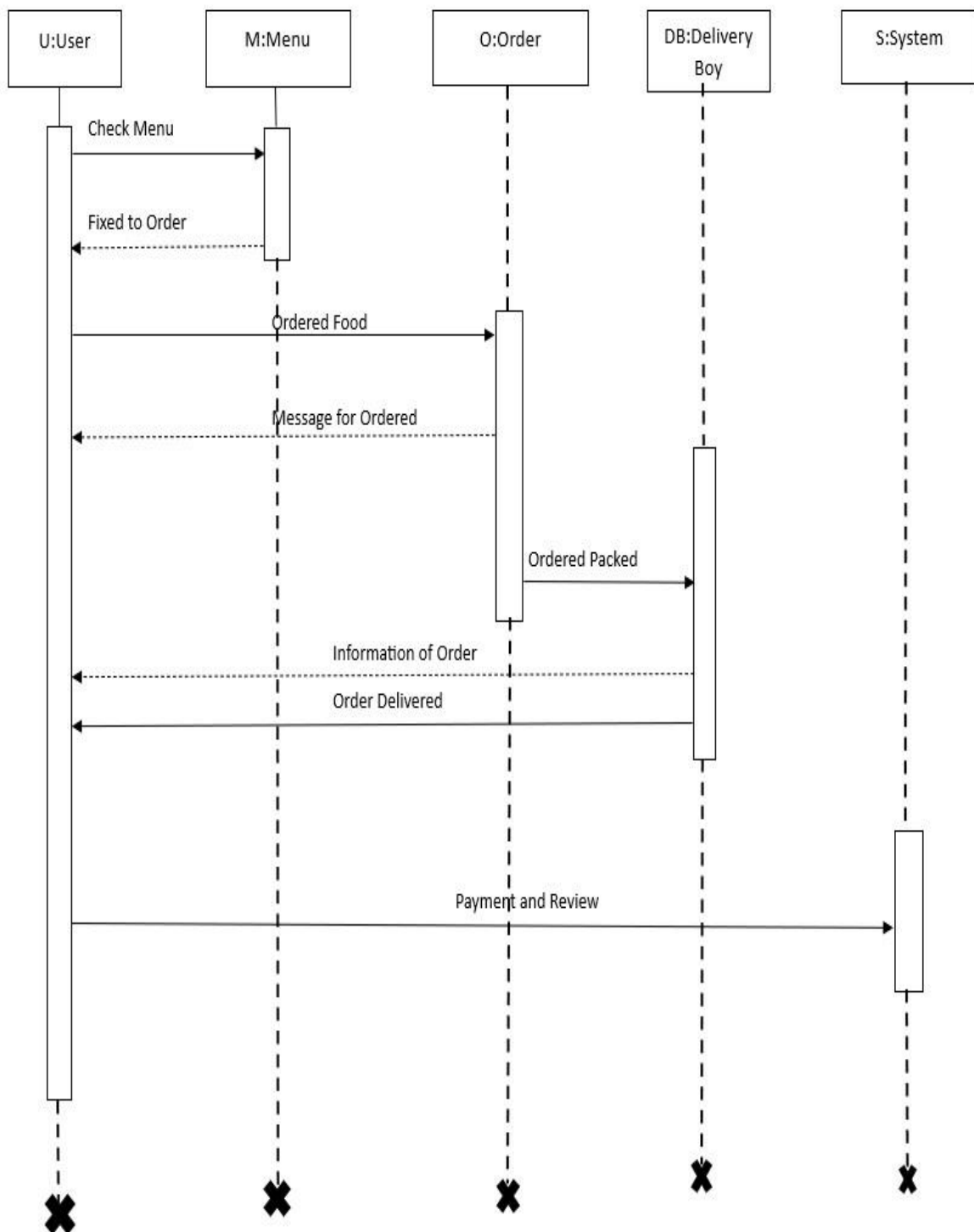


Figure 2.3-1 Sequence diagram for Order

## 2.4 State diagram

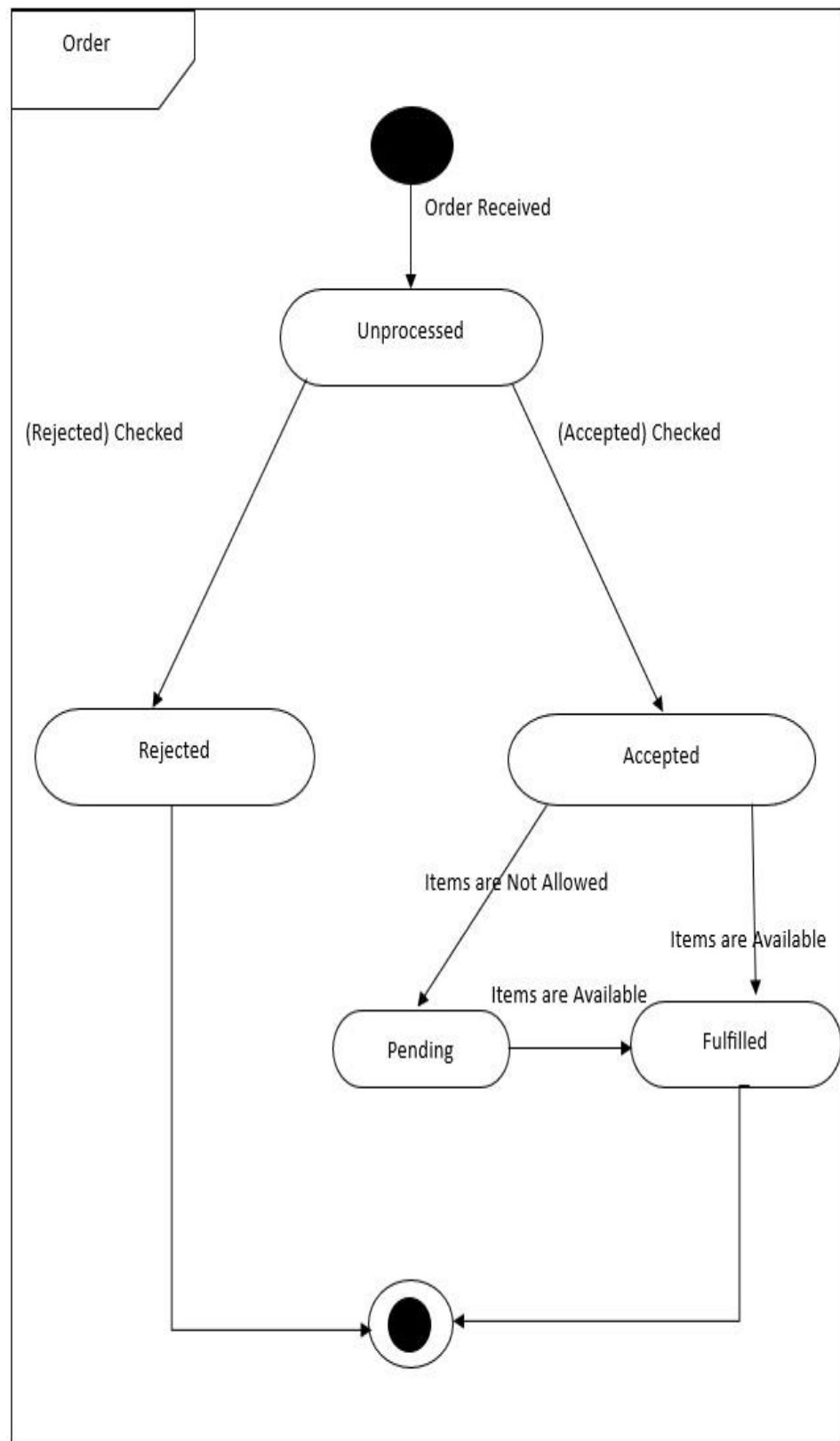


Figure 2.4-1 State diagram of Order

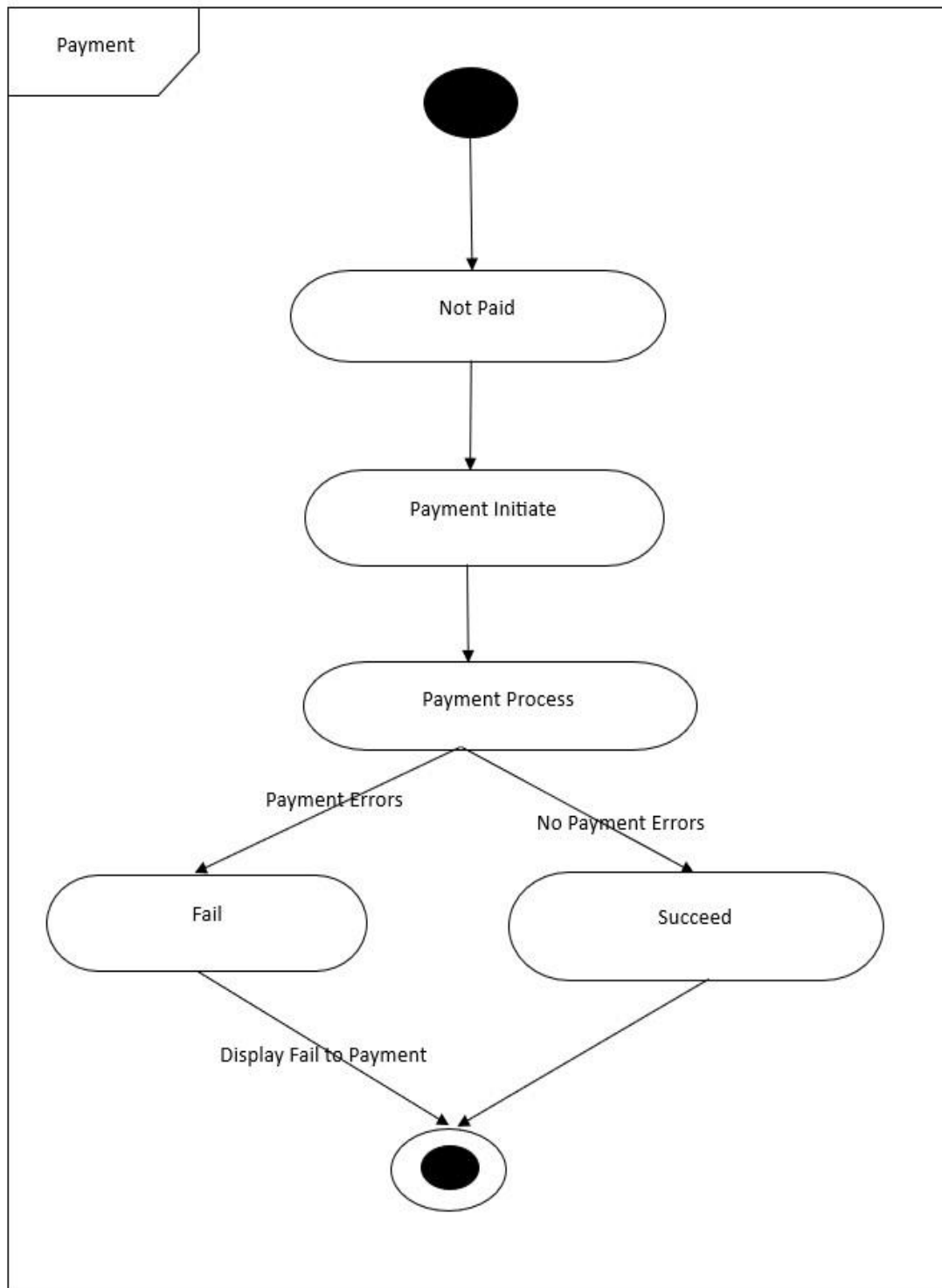


Figure 2.4-2 State diagram for Payment

## 2.5 Class diagram

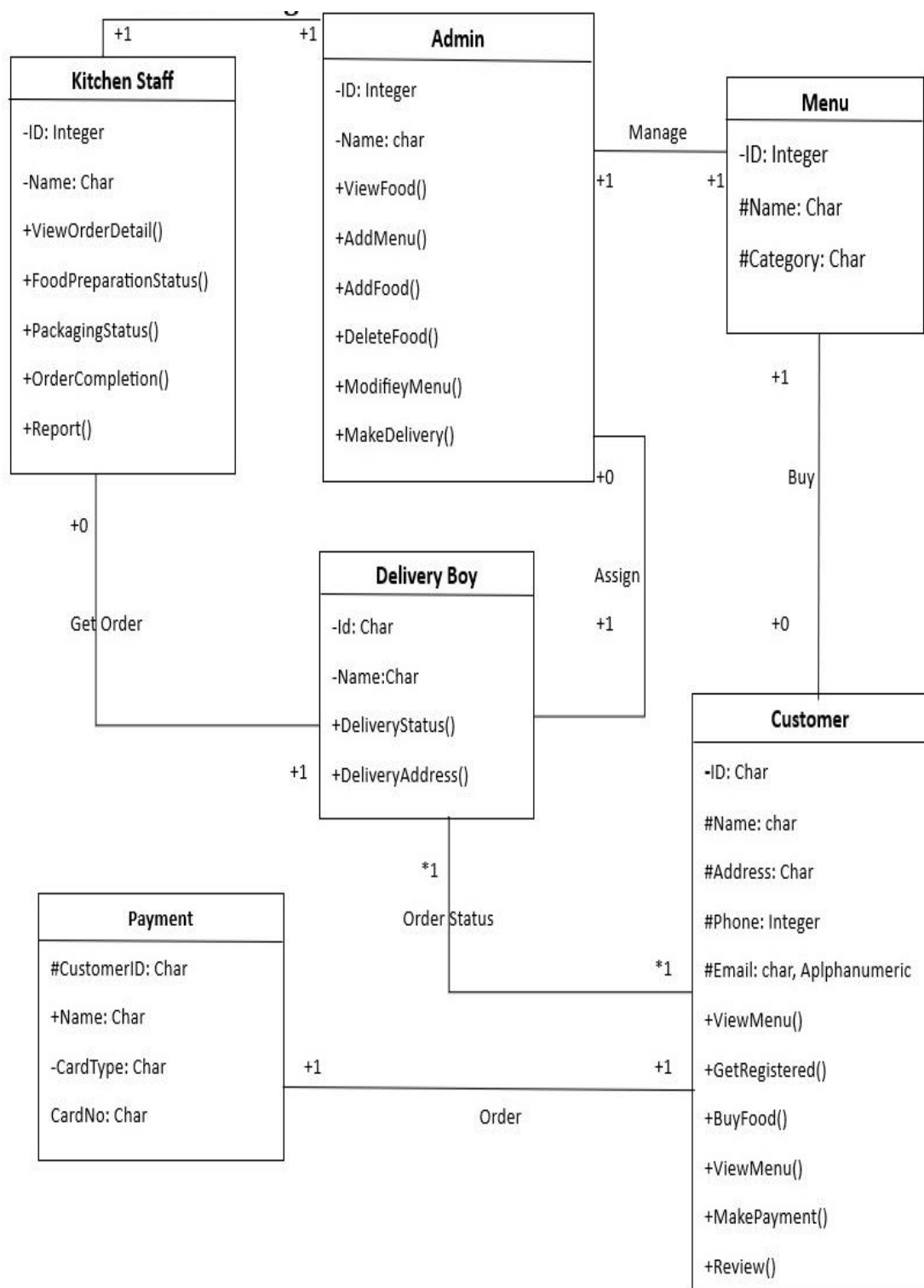


Figure 2.5-1 Class diagram for Railway Food Delivery System

## 2.6 Data flow diagram

### 2.6.1 Context diagram (level-0)

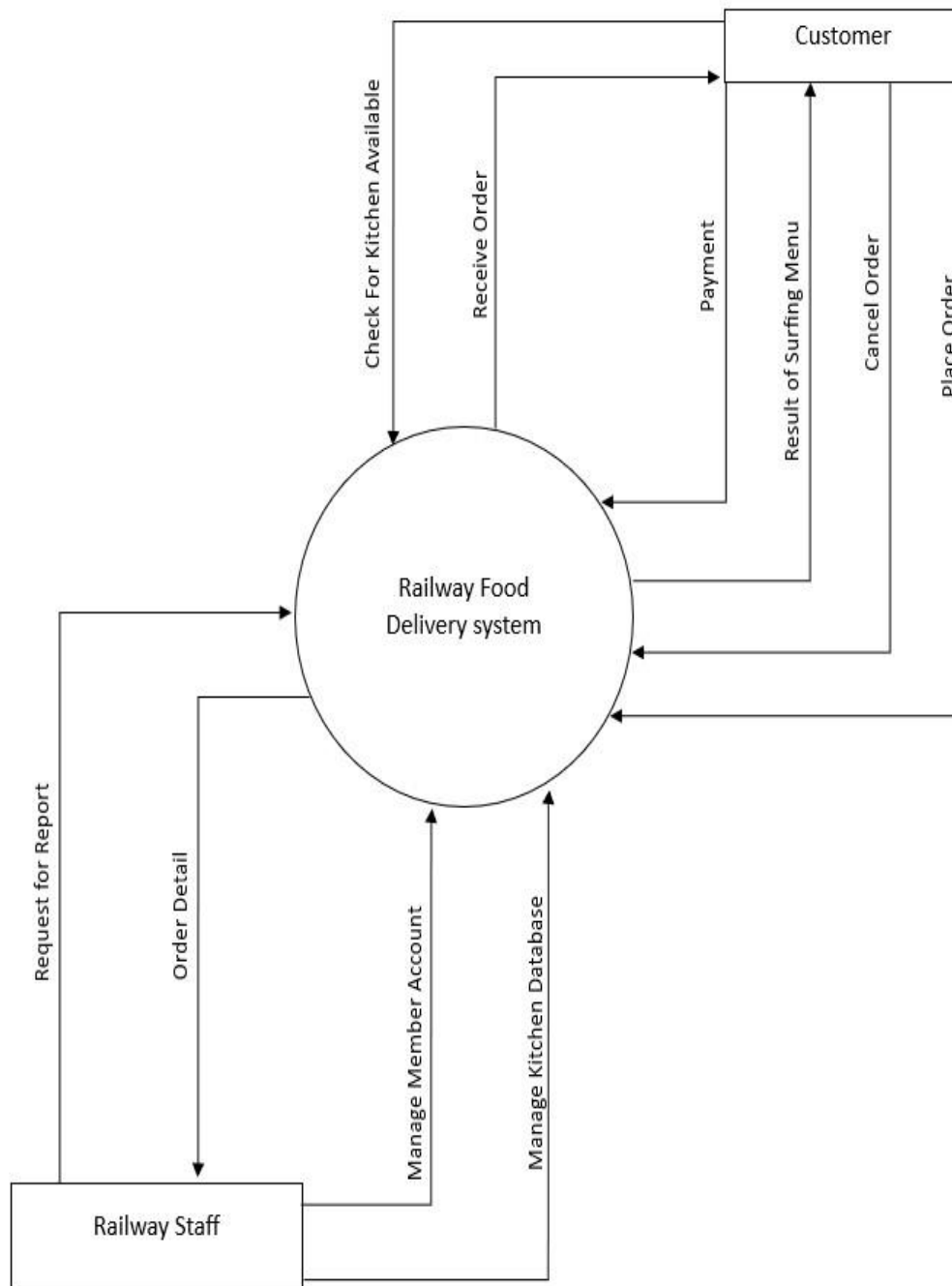


Figure 2.6-1 Context diagram for Railway Food Delivery System

## 2.6.2 DFD Level-1

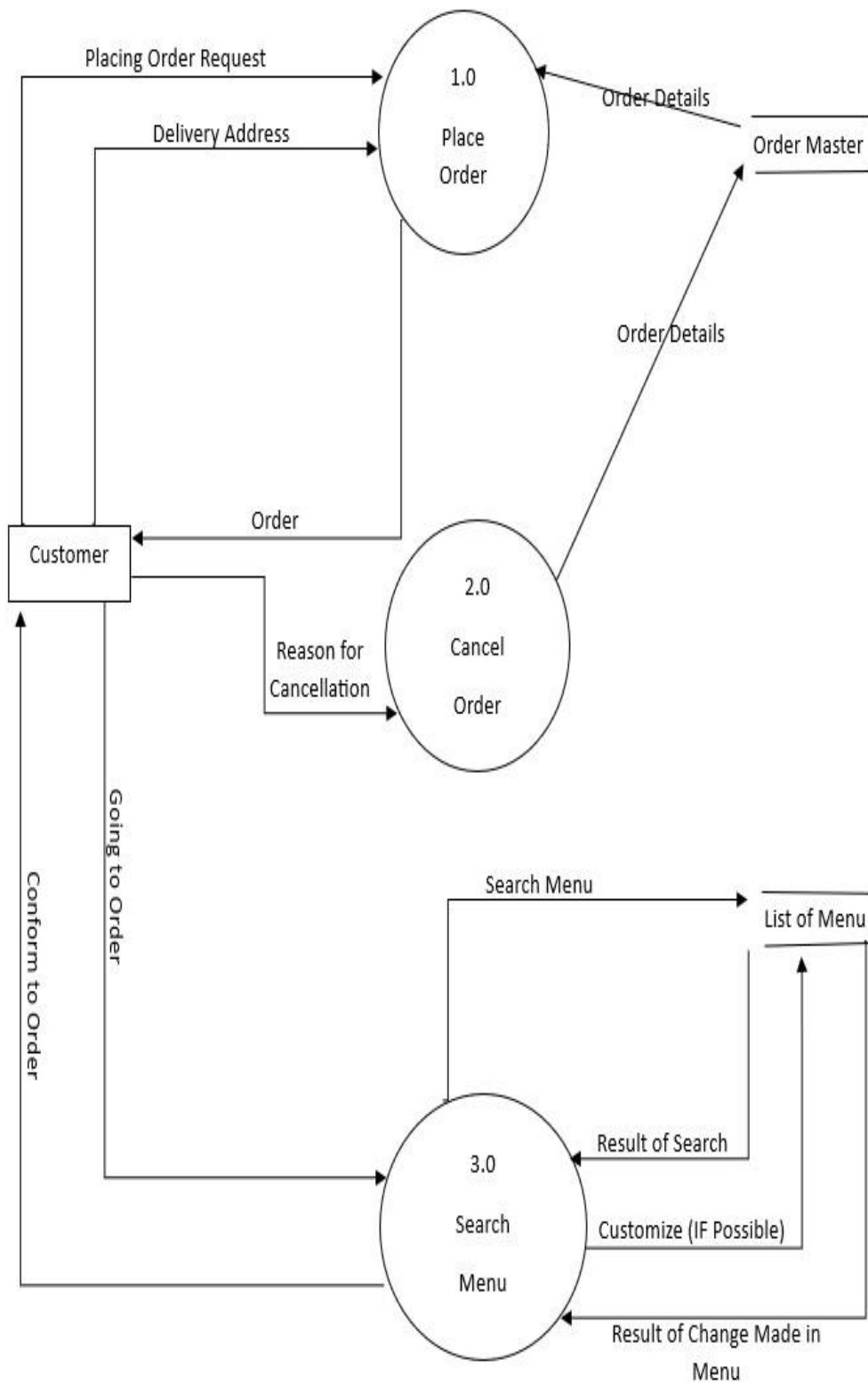


Figure 2.6-2 DFD level-1 for Railway Food Delivery Food

## 2.6.3 DFD Level-2

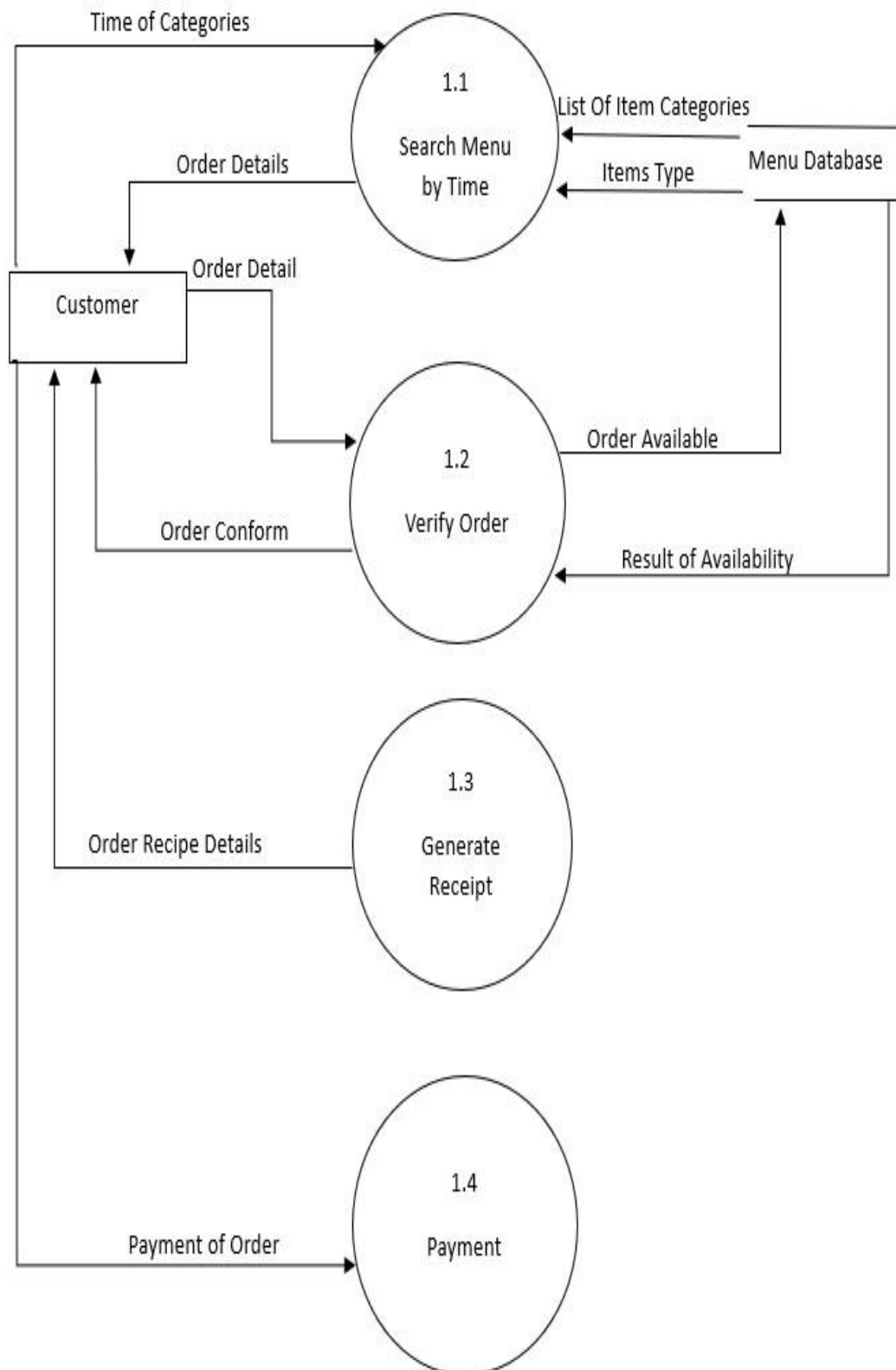


Figure 2.6-3 DFD level-2 for Order

### 3 External interface requirement (Screens)

#### 3.1 Screen-1: Home

Railway Food Management System

Check For Availability

Train No:

Figure 3.1-1 Screen-1: Home Screen

**Purpose:** It helps the passenger or customer to check whether kitchen or pantry available in train or not without logging in to system.

Table 3.1-1 Screen element of Home

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Train no	Textbox	M	1	Enter Train no in Numeric, it should be valid train number
2	Check	Button	-----	-----	Check Input in Database and display message according to it



### 3.2 Screen-2: Menu Screen for Customer

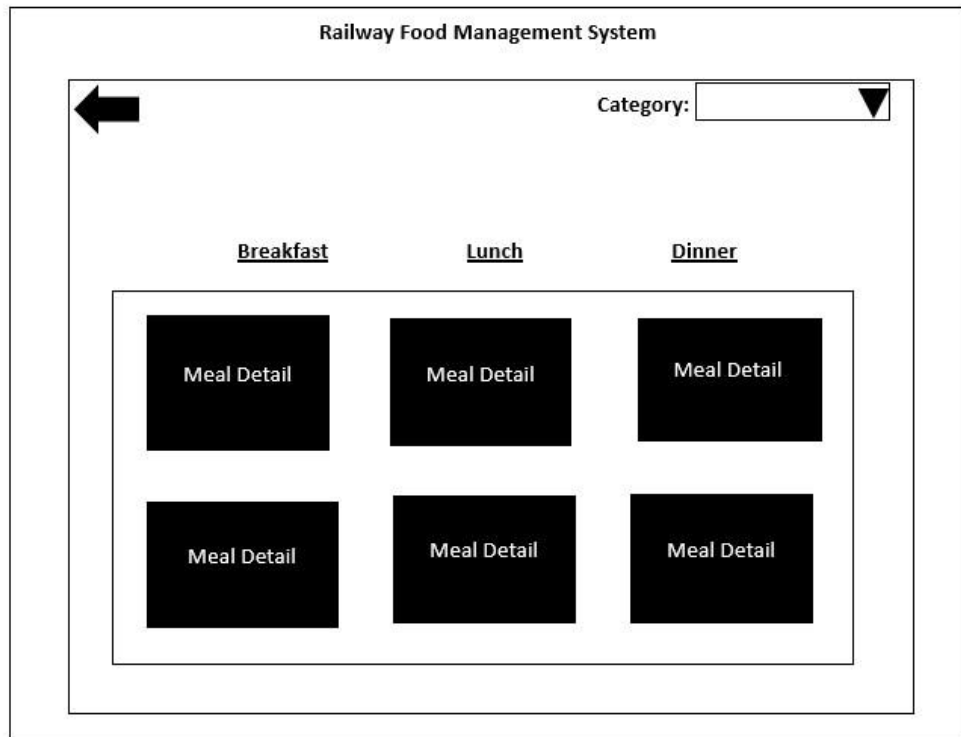


Figure 3.2-1 Screen-2: Menu Screen for Customer

**Purpose:** It helps passengers to browse menu by different categories and types (Name, Region, etc.), and select their choice for order.

Table 3.2-1 Screen element of Menu Screen for Customer

Sr.no	Screen Type	Type Of SE	O/M	1/N	Rules
1	Category	Dropdown Button	O	1	You can select different Food Category (Chinese, etc.)
2	Back Button	Button	-----	-----	You can Navigate Back to Main Screen by Clicking on it
3	Breakfast	Button	-----	-----	You can view Breakfast meal by Clicking on it
4	Lunch	Button	-----	-----	You can view Lunch meal by Clicking on it
5	Dinner	Button	-----	-----	You can view Dinner meal by Clicking on it

### 3.3 Screen-3: Order Screen

The screenshot shows a window titled "Railway Food Management System". Inside the window, there are five input fields arranged vertically:

- Name:** followed by a text input box.
- Compartment No:** followed by a text input box.
- Seat No:** followed by a text input box.
- Quantity:** followed by a dropdown menu with a downward arrow.
- Payment Method:** followed by a dropdown menu with a downward arrow.

Below these input fields, centered, is a button labeled "Order".

Figure 3.3-1 Screen-3: Add Order Screen

**Purpose:** It is screen that will be display when passenger wants to order meal. Passenger just order their meal by fulfilling requirement and get their meal order on their seat. It is mainly related your order detail.

Table 3.3-1 Screen Element of Order Screen

Sr.no	Screen Element	Type of SE	O/M	1/N	Rules
1	Home	Textbox	M	1	Enter Name (Character Only)
2	Compartment No	Textbox	M	1	Enter Compartment no (Digit Only)
3	Seat No	Textbox	M	1	Enter Seat no (Digit Only)
4	Quantity	Dropdown	O		Select Quantity (By Default it is 1)
5	Order	Textbox			
6	Payment Method	Dropdown	M		Select Payment method

## 4 Database design

### 4.1 List of Tables

- Staff
- FoodItem
- Passenger
- Order
- Train
- Ticket

Table 4.1-1 Table: Staff

Column	Data Type	Null	Keys & constrains	Default Value & Description
<b>StaffID</b>	int	NN	PK (Auto Increment)	
<b>StaffName</b>	varchar(100)	AN		
<b>IsAdmin</b>	Boolean	AN		
<b>Designation</b>	varchar(100)	AN		

Table 4.1-2 Table: FoodItem

Column	Data Type	Null	Key & constrains	Default Value & Description
<b>FoodItemID</b>	Int	NN	PK	
<b>FoodName</b>	Varchar(100)	AN		
<b>Price</b>	Int	NN		
<b>Type</b>	Varchar(100)	AN		

Table 4.1-3 Table: Passenger

Column	Data Type	Null	Key & constrains	Default Value & Description
<b>PassengerID</b>	Int	NN	PK	
<b>PassengerName</b>	Varchar(100)	AN		
<b>Age</b>	Int	AN		
<b>TicketNumber</b>	Int	NN	FK	
<b>TrainID</b>	Int	NN	FK	

Table 4.1-4 Table: Order

Column	Data Type	Null	Key & constrains	Default Value & Description
<b>OrderID</b>	Int	NN	PK	
<b>PassengerID</b>	Int	NN	FK	
<b>FoodItemID</b>	Int	NN	FK	
<b>Quantity</b>	Int	NN		
<b>OrderType</b>	Varchar(100)	AN		

Table 4.1-5 Table: Train

Column	Data Type	Null	Key & constrains	Default Value & Description
<b>TrainID</b>	Int	NN	PK	
<b>TrainName</b>	Varchar (100)	AN		
<b>SourceStation</b>	Varchar(100)	AN		
<b>DestinationStation</b>	Varchar(100)	AN		

Table 4.1-6 Table: Ticket

Column	Data Type	Null	Key & constrains	Default Value & Description
<b>TicketNumber</b>	Int	NN	PK	
<b>TicketType</b>	Varchar(100)	AN		
<b>SeatNumber</b>	Int	NN		
<b>TrainID</b>	int	NN	FK	

## 5 Stories and Scenario

### 5.1 Story-1: Place Order

<b>Story # S1</b>	: As a customer I want to order food from the railway pantry So that I get my order on my seat
<b>Priority</b>	: High
<b>Estimate</b>	: XXL
<b>Reason</b>	: The development of placing order page is crucial because that is the main function in our management system.

#### 5.1.1 Scenario# S1.1

<b>Scenario# S1.1</b>	: Customer book the order with the correct details, name, seat number, quantity, Payment details
<b>Prerequisite</b>	: Webpage of placing order should be launched properly
<b>Acceptance Criteria</b>	: <b>Given:</b> Customer navigate to the placing order page. <b>When:</b> Customer fill the right order requirement and payment method of online <b>Then</b> user will be navigated to the payment screen Display order detail. Display price of order. Display approximate time of delivery. Display total amount, GST, Payable amount.

#### 5.1.2 Scenario# S1.2

<b>Scenario# S1.2</b>	: Customer book the order with the correct details, name, seat number, quantity, Payment details
<b>Prerequisite</b>	: Webpage of placing order should be launched properly
<b>Acceptance Criteria</b>	: <b>Given:</b> Customer navigate to the placing order page. <b>When:</b> Customer fill the right order requirement and payment method of Cash on delivery <b>Then</b> user will be navigated to the Your order details screen Display order detail. Display price of order. Display approximate time of delivery.

#### 5.1.3 Scenario# S1.3

<b>Scenario# S1.3</b>	: Customer book the order with the without correct details, name, seat number, quantity, Payment details
<b>Prerequisite</b>	: Webpage of placing order should be launched properly
<b>Acceptance Criteria</b>	: <b>Given:</b> Customer navigate to the order booking page again. <b>When:</b> User Click "Order" button. <b>Then:</b> show error message for "Enter Correct name". And show error message for "Enter correct seat number". And show error message for "select payment method".

## 5.2 Story-2: Cancel Order

<b>Story # S2</b>	:	<b>As a</b> customer, <b>I want to</b> change my Train (Reason) <b>So that</b> Cancel the order.
<b>Priority</b>	:	High
<b>Estimate</b>	:	XL
<b>Reason</b>	:	If money is paid then refund is necessary.

### 5.2.1 Scenario# S2.1

<b>Scenario# S2.1</b>	:	Customer cancel the order by clicking cancel button and writing reasons of cancellation
<b>Prerequisite</b>	:	Webpage of cancel order should be launched properly
<b>Acceptance Criteria</b>	:	<b>Given:</b> Customer navigate to the Cancel order page. <b>When:</b> Customer fill the reasons for cancellation and his payment method is online <b>Then</b> user will be navigated to the order status screen Display order cancel. Display Money will be refunded within 24 hours.

### 5.2.2 Scenario# S2.2

<b>Scenario# S2.2</b>	:	Customer cancel the order by clicking cancel button and writing reasons of cancellation
<b>Prerequisite</b>	:	Webpage of cancel order should be launched properly
<b>Acceptance Criteria</b>	:	<b>Given:</b> Customer navigate to the Cancel order page. <b>When:</b> Customer fill the reasons for cancellation and his payment method is Cash on delivery <b>Then</b> user will be navigated to the order status screen Display order cancel.

## 5.3 Story-3: Add New Menu

<b>Story # S3</b>	:	<b>As An</b> Admin, <b>I want to</b> add new menu <b>So that</b> Customer can order.
<b>Priority</b>	:	Medium
<b>Estimate</b>	:	M
<b>Reason</b>	:	To increase the variety of menu so that customer can face no problem while travelling

### 5.3.1 Scenario# S3.1

<b>Scenario# S3.1</b>	:	Admin enter the new menu with the correct details
<b>Prerequisite</b>	:	Webpage of adding menu page should be launched properly
<b>Acceptance Criteria</b>	:	<b>Given:</b> Admin navigate to the add menu page. <b>When:</b> Admin add the menu with correct details. <b>Then</b> admin will be navigated to the menu screen Display menu detail. Display price of menu. Display type of menu. Display category of menu.

## 5.3.2 Scenario# S3.2

<b>Scenario# S3.2</b>	: Admin enter the new menu with the incorrect details
<b>Prerequisite</b>	: Webpage of adding menu page should be launched properly
<b>Acceptance Criteria</b>	<b>Given:</b> Admin navigate to the add menu page again. <b>When:</b> User Click “Add menu” button. <b>Then:</b> show error message for “Enter name of menu”. And show error message for “Enter Price of menu”. And show error message for “Category of menu”. And show error message for “type of menu”. And show error message for “Enter menu details”.

## 5.4 Story-4: Check pantry is available or not

<b>Story # S4</b>	: <b>As a</b> customer, <b>I want to</b> check whether the pantry is available or not <b>So that</b> I can order the food.
<b>Priority</b>	: Low
<b>Estimate</b>	: S
<b>Reason</b>	: Check is necessary because based on this order will be made

## 5.5 Story-5: Place an order with customized menu

<b>Story # S5</b>	: <b>As a</b> customer, <b>I want to</b> place orders with customized, <b>So that</b> Food is not wasted and my requirement is fulfilled.
<b>Priority</b>	: Medium
<b>Estimate</b>	: M
<b>Reason</b>	: Some customer might not want all items we provide so the food wastage is reduced.

## 5.6 Story-6 Add Employee

<b>Story # S6</b>	: <b>As a</b> admin, <b>I want to</b> add employee, <b>So that</b> delivery can be done fast.
<b>Priority</b>	: Medium
<b>Estimate</b>	: M
<b>Reason</b>	: It is important so that delivery can be made fast.

## 5.7 Story-7 Order History

<b>Story # S7</b>	: <b>As a</b> customer, <b>I want to</b> check my order history, <b>So that</b> I can made my decision for order.
<b>Priority</b>	: Medium
<b>Estimate</b>	: M
<b>Reason</b>	: It is important because customer can check whether he can try something new or same menu.

## 5.8 Story-8 Reviews

<b>Story # S8</b>	:	<b>As a</b> customer, <b>I want</b> to give any suggestion or my views about management, <b>So that</b> quality can be improved.
<b>Priority</b>	:	Medium
<b>Estimate</b>	:	XS
<b>Reason</b>	:	It helps us to understand the system and improve it.

## 5.9 Story-9 Order Packed

<b>Story # S9</b>	:	<b>As a</b> Kitchen staff, <b>I want</b> to make order packed, <b>So that</b> delivery boy can pick up and deliver to customer.
<b>Priority</b>	:	Medium
<b>Estimate</b>	:	XL
<b>Reason</b>	:	It is important because from this admin can assign order to delivery boy

## 5.10 Story-10 Order Delivered

<b>Story # S10</b>	:	<b>As a</b> Delivery boy, <b>I want</b> to make delivery done, <b>So that</b> customer can enjoy the food and system can get to know about it.
<b>Priority</b>	:	Medium
<b>Estimate</b>	:	XL
<b>Reason</b>	:	Report can be made on these details only so it is important



## 6 Test cases

<b>Project Name:</b>	<b>Railway food delivery system</b>	<b>Test Designed by:</b>	<b>Ajay kumar Karmur</b>
<b>Module Name:</b>	Payment	<b>Test Designed date:</b>	8/22/2023
<b>Release Version:</b>	1.0	<b>Test Executed by:</b>	
		<b>Test Execution date:</b>	

<b>Pre-condition</b>	Web application should be accessible		
<b>Test Case ID</b>	<b>Test Title</b>	<b>Test Type</b>	<b>Description</b>
TC_001	Payment (Debit/Credit) Card with Valid Credential	Functional	Payment To Railway Food Delivery System Through Valid Credential
TC_002	Payment (Debit/Credit Card) With Invalid Credential	Functional	Payment To Railway food delivery Management System Through Invalid Credential
TC_003	Verify Payment Page Elements	GUI	verify that all elements are available on Payment page

<b>Test Case Title</b>	Payment (Debit/Credit) Card with Valid Credential
<b>Test Type</b>	Functional
<b>Test Priority</b>	High
<b>Pre-condition</b>	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Access Web application URL	The site launched properly		Ready to Test	-		
2	Verify that the user is able to save card information or not.	Card (input box) Should be editable and accept card details		Ready to Test			

		and save details.					
3	Verify that the user is able to see the correct currency or not.	User must able to see country wise currency.		Ready to Test			
4	Verify that the user is able to proceed with the blocked card or not	If card details incorrect or card block so, user cannot proceed and display message card blocked.		Ready to Test			
5	Verify that the user is able to proceed with expired card data or not	Your payment has no longer proceed		Ready to Test			
6	Verify that the user is able to get a confirmation message for successful payment.	User get message "Payment successfully"		Ready to Test			
7	Verify that the pop-up window is displayed when the	User can see the pop-up window when payment		Ready to Test			

	session has expired	session has expired					
8	Verify that click on the back button of the browser button while the payment process	User can able to click back button and navigate on proper screen.		Ready to Test			

<b>Test Case Title</b>	Payment (Debit/Credit) Card with Invalid Credential
<b>Test Type</b>	Functional
<b>Test Priority</b>	High
<b>Pre-condition</b>	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Verify if the payment gateway stops responding while transaction	display message "Transaction Failed"		Ready to Test		-	
2	Verify that the Payment Process when the session expires	display message "Session Expired try again..."		Ready to Test			
3	Verify that the payment transaction process while disconnecting	display message "Transaction Failed"		Ready to Test			

	network connection						
4	Verify that back button functionality while payment process	display message "Transaction has procced"		Ready to Test			
5	Verify that refresh button functionality while payment process	display message "Transaction Failed"		Ready to Test			

<b>Test Case Title</b>	Verify Payment Page Elements
<b>Test Type</b>	GUI
<b>Test Priority</b>	
<b>Pre-condition</b>	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Launch application with the given URL	The site launched properly		Ready to Test		-	
2	Verify that payment options are displayed or not. for Exa credit card, debit card.	All listed control displayed properly on the page		Ready to Test			
3	Verify that each option is	List of all element selectable		Ready to Test			

	selectable or not.						
4	Verify that dropdown button is working properly or not	Dropdown work properly		Ready to Test			
5	Verify that all mandatory fields are displayed with red "*" mark or not	All mandatory fields are displayed with red* mark		Ready to Test			
6	Verify that validation message for all mandatory fields.	Display validation message properly for all mandatory fields		Ready to Test			

<b>Project Name:</b>	<b>Railway food delivery system</b>	<b>Test Designed by:</b>	<b>Ajay kumar Karmur</b>
<b>Module Name:</b>	Order	<b>Test Designed date:</b>	8/23/2023
<b>Release Version:</b>	1.0	<b>Test Executed by:</b>	
		<b>Test Execution date:</b>	

<b>Pre-condition</b>	Web application should be accessible					
<b>Test Case ID</b>	<b>Test Title</b>	<b>Test Type</b>			<b>Description</b>	
TC_004	Verify order With Valid Credential	Functional			ordering menu with Valid Credential	
TC_005	Verify order With Invalid Credential	Functional			ordering menu with Invalid Credential	

TC_006	Verify order Screen	GUI	Verify That All Elements Are Available On order Page
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<b>Test Case Title</b>	Verify order With Valid Credential
<b>Test Type</b>	Functional
<b>Test Priority</b>	High
<b>Pre-condition</b>	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Access Web application URL	The site launched properly		Ready to Test		-	
2	Check by entering a valid quantity number or Plate	Quantity should be selected or by default 1 will be selected		Ready to Test		1/1/1900	
3	Check by entering a valid customer name	Contain valid customer name		Ready to Test		Name: xyz	
4	Check by entering valid Seat number	contain compartment number and seat number		Ready to Test		E-12	
5	Check by selecting payment method	kindly select payment methods		Ready to Test		Cash on delivery	

<b>Test Case Title</b>	Verify order With Invalid Credential
<b>Test Type</b>	Functional
<b>Test Priority</b>	High
<b>Pre-condition</b>	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Not Access Web application URL Successfully	The site not launched properly				-	
2	Check by not entering a customer name	Please enter Customer name		Ready to Test		xyzy	
3	Check by entering a invalid seat number	please enter valid seat number		Ready to Test		E-21	
4	Check by not entering not selected payment method	please select payment method		Ready to Test		Cash on delivery	

<b>Test Case Title</b>	Verify order Screen
<b>Test Type</b>	GUI
<b>Test Priority</b>	
<b>Pre-condition</b>	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
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1	Launch application with the given URL	The site launched properly		Ready to Test		-	
2	Verify the all element should be display properly	All listed control displayed properly on the page		Ready to Test			
3	Verify that each option is selectable or not.	List of all element selectable		Ready to Test			
4	Verify that dropdown button is working properly or not	Dropdown work properly		Ready to Test			
5	Verify that all mandatory fields are displayed with red “*” mark or not	All mandatory fields are display with red* mark		Ready to Test			
6	Verify that validation message for all mandatory fields.	Display validation message properly for all mandatory fields		Ready to Test			
7	Verify if the message “order placed successfully” is displayed after	Message display after clicking order button		Ready to Test			



	clicking on the order button.						
8	Verify if the user is able to click on the back button and is navigated to the homepage.	Navigati on works properly		Ready to Test			

<b>Project Name:</b>	<b>Railway food delivery system</b>	<b>Test Designed by:</b>	<b>Ajay kumar Karmur</b>
<b>Module Name:</b>	Add Menu	<b>Test Designed date:</b>	8/24/2023
<b>Release Version:</b>	1.0	<b>Test Executed by:</b>	
		<b>Test Execution date:</b>	

<b>Pre-condition</b>	Web application should be accessible					
<b>Test Case ID</b>	<b>Test Title</b>	<b>Test Type</b>			<b>Description</b>	
TC_007	Add Menu with Valid Credential	Functional			adding new menu with Valid Credential	
TC_008	Add menu With Invalid Credential	Functional			adding menu with Invalid Credential	
TC_009	Verify Add menu Page Elements	GUI			Verify that all elements are available on add menu page	

<b>Test Case Title</b>	Add Menu with Valid Credential
<b>Test Type</b>	Functional
<b>Test Priority</b>	High
<b>Pre-condition</b>	Web application should be accessible

<b>Test Step</b>	<b>Test Case</b>	<b>Expected Result</b>	<b>Actual</b>	<b>Status</b>	<b>Comment</b>	<b>Data</b>	<b>Bug ID</b>
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	<b>Descript ion</b>		<b>Resu lt</b>				
1	Access Web applicati on URL	The site launche d properly		Ready to Test		-	
2	check by entering Proper menu name	Contain Proper Menu name		Ready to Test		Pannir-365	
3	Check by entering Proper Categor y of menu	Categor y name should be valid		Ready to Test		Chinese	
4	check by entering descripti on of menu	Descript ion should be valid		Ready to Test		Chinese with xyzzy items	
5	check by entering Price	price should be Written		Ready to Test		550	

<b>Test Case Title</b>	Add menu With Invalid Credential
<b>Test Type</b>	Functional
<b>Test Priority</b>	High
<b>Pre-condition</b>	Web application should be accessible

<b>Test Step</b>	<b>Test Case Descript ion</b>	<b>Expecte d Result</b>	<b>Actu al Resu lt</b>	<b>Status</b>	<b>Comment</b>	<b>Data</b>	<b>Bug ID</b>
1	Not Access Web applicati on URL Successf ully	The site not launche d properl y				-	
2	check by not entering Proper	menu name should be		Ready to Test		panir-365	

	menu name	entered Properly					
3	Check by entering Proper Category of menu	Category should be valid		Ready to Test		Chinese	
4	check by entering description of menu	description should be valid		Ready to Test		consist of -----	
5	check by entering Price	not writing price		Ready to Test			

<b>Test Case Title</b>	Verify Add menu Page Elements
<b>Test Type</b>	GUI
<b>Test Priority</b>	
<b>Pre-condition</b>	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Launch application with the given URL	The site launched properly		Ready to Test		-	
2	Verify the all element should be display properly	All listed control displayed properly on the page		Ready to Test			
3	Verify that each option is selectable or not.	List of all element selectable		Ready to Test			
4	Verify that dropdown	Dropdown work properly		Ready to Test			

	n button is working properly or not						
5	Verify that all mandatory fields are displayed with red "*" mark or not	All mandatory fields are display with red* mark		Ready to Test			
6	Verify that validation message for all mandatory fields.	Display validation message properly for all mandatory fields		Ready to Test			
7	Verify if the message "Add successfully placed" is displayed after clicking on the Add button.	Message display after clicking allocate button		Ready to Test			
8	Verify if the user is able to click on the back button and is navigated to the homepage.	Navigati on works properly		Ready to Test			

## 7 References

- [http://www.w3schools.com/html/html\\_intro.asp](http://www.w3schools.com/html/html_intro.asp)
- <https://www.w3schools.com/php/default.asp>
- <https://www.geeksforgeeks.org/srs-a-complete-guide-for-sde-preparation>
- <https://www.ixigo.com/trains>