

# ORDER FOOD ON RAILS

By

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Under Guidance

of

Dr. Hardik Pandit

Submitted to



Smt. Chandaben Mohanbhai Patel Institute of Computer  
Applications

CHARUSAT

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Accredited with Grade A+ by NAAC,

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

## Acknowledgement

Knowledge in itself is a continuous process. At this moment of our substantial enhancement, We rarely find words to express our gratitude towards those who were constantly involved with us.

The completion of any inter disciplinary project depends upon coordination, cooperation and combined efforts of several resources of knowledge, creativity, skill, energy and time. The work being accomplished now, we feel our sincerest urge to recall and knowledge through these lines, trying our best to give full credit wherever it deserves.

We would like to thank our project guide. **Dr. Hardik Pandit**, I/C Principal **Dr. Dharmendra Patel** and I/C Dean **Dr. Sanskruti Patel** who advised and gave us moral support through the duration of our project. Without their constant encouragement we could not have been able to achieve what we have.

It's our good fortune that we had support and well wishes of many. We are thankful to all and those names which have been forgotten to acknowledge here but contributions have not gone unnoticed.

With Sincere Regards,

**23MCA117 Disha Patel**

# Table of Contents

Sr. No		Subject	Page Number
1		<b>Project Profile &amp; Company Profile</b>	
2		<b>Introduction to tools</b>	
3		<b>System Study</b>	
	1.	Existing System	
	2.	Proposed System	
	3.	Scope of the Proposed System	
	4.	Aim and Objective of the Proposed System	
5		<b>System Design</b>	
		Data Dictionary	
		Screen Layouts	
6		<b>System Testing</b>	
		Testing Strategies	
		Test Cases	
7		<b>Future Enhancement</b>	
8		<b>Bibliography/References</b>	
9		<b>Reporting Report (to be collected from respective internal guide)</b>	

# PROJECT PROFILE

- Project Name:  
Order Food on Rails
- Type of Application:  
Website
- Description:  
This project aims to develop a robust and user-friendly food ordering website on rails using PHP Laravel. This website will allow users to browse menus from various restaurants, select items, and place orders for delivery.  
It provides a powerful platform for users to conveniently browse menus and place orders from local restaurants. This guide will walk you through the key components and considerations for building such websites. This website allows foodies to put food order through internet by locating the nearest restaurant.  
What I propose is to make a website for passengers travelling through rails has various options for their breakfast, lunch or dinner and not only rely on station vendors for the same. The main advantage of this website is that it greatly simplifies the ordering process for customers and receiving orders for vendors. And after selecting the item and adding to their order

# COMPANY PROFILE

InnoBrain Technologies is a leading MSME registered IT company that specializes in cutting-edge software solutions and technology consulting services. With a focus on innovation, creativity and reliability, InnoBrain Technologies has established itself as a trusted partner for businesses seeking to leverage technology for competitive advantage. The company is passionate about delivering exceptional results and exceeding client expectations.

At InnoBrain Technologies, the range of services offered spans across multiple domains including software development, mobile app development, web development, data analytics and more. The company is known for its ability to understand the unique needs of each client and tailor solutions that align with their business goals and objectives. By leveraging the latest technologies and industry best practices, InnoBrain Technologies delivers state-of-the-art solutions that drive operational efficiencies, enhance customer experiences, and fuel business growth.

With a commitment to excellence, InnoBrain Technologies maintains a customer-centric approach, placing client satisfaction at the forefront of their operations. The company's dedication to quality, timely delivery, and cost-effectiveness has earned them a strong reputation in the IT industry. As a forward-thinking IT company, InnoBrain Technologies continues to push the boundaries of innovation, helping businesses stay ahead in today's competitive digital landscape.



# INTRODUCTION TO TOOLS

- Frontend Tools:

1. HTML:

Hypertext Markup Language (HTML) is the standard markup language used to create and design documents on the World Wide Web. It is the foundation of all web pages and is used to structure content, format text, add images, create links, and more.

2. Bootstrap:

Bootstrap is a popular open-source front-end framework for developing responsive and mobile-first web pages. Originally created by Mark Otto and Jacob Thornton at Twitter, Bootstrap provides a collection of CSS and JavaScript tools that enable developers to quickly design and customize websites.

3. JavaScript:

JavaScript is a versatile, high-level programming language that is widely used to create interactive and dynamic content on the web. It is an essential component of the modern web development stack, enabling developers to build responsive user interfaces, handle events, manipulate the Document Object Model (DOM), and communicate with servers.

4. jQuery:

jQuery is a popular, fast, and lightweight JavaScript library designed to simplify client-side scripting. It provides an easy-to-use API for handling HTML document manipulation, event handling, animations, and AJAX calls, ensuring cross-browser compatibility. With its concise syntax, jQuery allows developers to perform complex tasks like DOM manipulation, CSS styling, and asynchronous requests with minimal code. Although modern JavaScript frameworks have reduced its usage, jQuery remains widely used in legacy projects and simple web applications.

- Backend Tools:

1. Laravel:

Laravel is a powerful, open-source PHP framework designed for building modern web applications. It follows the MVC (Model-View-Controller) architecture and provides built-in features like routing, authentication, database management (Eloquent ORM), and caching. Laravel simplifies development with an elegant syntax, robust security, and tools like Artisan CLI, Blade templating, and Laravel Mix for asset management. Its scalability, rich ecosystem, and seamless integration with APIs make it a popular choice for developers building secure and efficient web applications.

2. MySQL:

MySQL is an open-source relational database management system (RDBMS) known for its speed, reliability, and ease of use. It uses SQL (Structured Query Language) to manage and manipulate data and supports features like indexing, transactions, and ACID compliance. MySQL is widely used in web applications, often paired with PHP and frameworks like Laravel. It offers scalability, security, and support for large-scale applications, making it a popular choice for businesses and developers.

- Tools Used:

1. Visual Studio Code:

Visual Studio Code (VS Code) is a free, open-source code editor developed by Microsoft for Windows, macOS, and Linux. It is known for its speed, simplicity, and robust set of features that support a wide range of programming languages and development tasks. VS Code is highly extensible and customizable, making it a popular choice among developers for various types of projects.

# SYSTEM STUDY

- **Existing System:**

In the existing train food ordering, passengers have limited food options available at specific stations for ordering meals during their journey. Generally, they rely on station vendors and pantry services, which often lack variety and quantity. Also, there are no real-time updates on their orders which leads to uncertainty about delivery times and order statuses. Communication barriers, freshness of food and hygiene of food provided by vendors and some more concerns of consumers, leading to dissatisfaction and health risks. Vendors at railway stations might not cover a wide variety of cuisines, limiting the choices available to passengers. They are solely dependent on the availability and quality of station-based food services, which might not always meet their expectations. Further limited avenues for passengers to address issues or provide feedback makes it difficult to improve service quality. Passengers with specific dietary requirements or allergies might face challenges in finding suitable food options, risking their health and satisfaction.

- **Proposed System:**

The proposed “Order Food on Rails” aims to transform the dining experience for train travellers. This website connects passengers with a wide range of culinary delights, allowing them to order food seamlessly during their journeys. By integrating user-friendly interfaces, passengers can track their orders in real-time with the real-time updates of their order status, which ensures transparency and reduces anxiety about meal delivery and provides a delightful and convenient dining experience on trains. Here vendors are accountable for order accuracy and timely delivery, ensuring a high level of service quality and customer satisfaction. Passengers can provide feedback and ratings, encouraging vendors to maintain high quality standards and fostering a culture of continuous improvement. This website facilitates direct communication between vendors and passengers, allowing clarifications on orders and ensuring accurate deliveries. Passengers can report issues directly through website, enabling prompt problem resolution and enhancing overall customer satisfaction. Passengers can place orders using PNR number or Train

number, ensuring precise deliveries and reducing errors in order delivery process.

- **Scope of the Proposed System:**

The proposed “Order Food on Rails” aims to provide a convenient and delightful dining experience for train travellers. The scope of the proposed system is summarized as follows:

- (1) Key Functionality:

- It connects passengers with a variety of food options.
    - Enables seamless food ordering options throughout train journeys.
    - Providing real-time updates on food availability and order status.

- (2) Target Users:

- The passengers travelling in train and seeking convenient dining options.

- (3) Primary Goals:

- Enhances the overall dining experience for train passengers.
    - Increase convenience and accessibility of food options during their travel.

- (4) System Boundaries:

- The system will only operate within the context of train travel, focusing on delivery of food in trains.

- **Aim of the Proposed System:**

The primary aim of the proposed system “Order Food on Rails” is to revolutionize the dining experience for train passengers by providing a seamless, efficient and user-friendly food ordering platform. This system aims to bridge the gap between passengers and vendors by enabling passengers to select and order meals from a variety of restaurant partners at designated stations.

- **Objectives of the Proposed System:**

- (1) Enhanced Passenger Convenience

- To develop an intuitive and accessible platform that allows passengers to order food effortlessly via a website.

- Enable passengers to schedule their food orders in advance based on their travel itinerary.

(2) Wide Range of Meal Options

- Partner with multiple food vendors and restaurants to offer diverse meal choices catering to different dietary preferences, including vegetarian, non-vegetarian and regional specialities.
- Provide a menu filtering based on dietary restrictions, price range, and cuisine preferences.

(3) Timely and Reliable Food Delivery

- Implement real-time tracking that ensures food is prepared and delivered at the right station and time.
- Notify passengers about the status of their food orders including accepted, delivered.

(4) Secure and Flexible Payment Methods

- Integrate payment gateways including credit/debit cards, UPI, net-banking and cash on delivery options.
- Ensure secure transactions through encryption and compliance with payment security standards.

(5) Seamless Vendor Management

- Develop an easy-to-use vendor dashboard for restaurants and food providers to update their menus, manage orders and track deliveries.
- Enable vendors to receive real-time notifications for new orders and process them efficiently.

(6) User-Friendly Interface and Accessibility

- Design an intuitive and responsive user interface that enhances the user experience across different devices.
- Provide multilingual support to cater to passengers from diverse linguistic backgrounds.

(7) Real-Time Order Tracking and Notifications

- Offer live tracking of food orders, allowing passengers to monitor order status and estimated arrival time.

- Implement SMS, email or app notifications for order updates and important alerts.

(8) Customer Feedback and Support

- Integrate a review and rating system to gather passenger feedback on food quality, delivery service, and overall experience.
- Provide 24/7 customer support to address complaints, refunds or any assistance related to orders.

(9) Sustainability and Hygiene

- Encourage eco-friendly packaging to reduce waste and promote sustainability.
- Ensure all partnered vendors comply with food safety and hygiene standards to provide high quality meals.

(10) Scalability and Future Expansion

- Develop a scalable system that can accommodate an increasing number of passengers, restaurants and railway routes.
- Explore additional features such as AI-based meal recommendations, loyalty rewards and subscription meal plans for frequent travellers.



# FEASIBILITY STUDY

- **Operational Feasibility:**

The operational feasibility of the proposed system “Order Food on Rails” can be evaluated as follows:

(1) Partnership with Food Vendors:

- The success of system depends on partnerships with food vendors. Establishing and maintaining these partnerships will be crucial to ensuring a diverse range of food options.

(2) Logistics and Supply Chain Management:

- The system will require efficient logistics and supply chain management to ensure timely delivery of food to passengers.

(3) Training and Support:

- The system will require training and support for food vendors, train staff and passengers to ensure a seamless user experience.

(4) Scalability:

- The system should be designed to scale up or down depending on the number of users and demand for food.

- **Technical Feasibility:**

The technical feasibility of the proposed system “Order Food on Rails” can be evaluated as follows:

(1) Mobile App Development:

- This system will require the development of a user-friendly and intuitive mobile app that can handle a large number of transactions.

(2) Integration with Train Systems:

- The system will need to integrate with existing train systems, including ticketing and passenger information systems.

(3) Real-Time Updates:

- The system will require real-time updates on food availability, order status and train schedules.

(4) Payment Gateway Integration:

- The system will need to integrate with secure payment gateways to facilitate transactions.

- **Economical Feasibility:**

The economical feasibility of the proposed system “Order Food on Rails” can be evaluated as follows:

(1) Revenue Streams:

- The system can generate revenue through commission-based sales, advertising and partnerships with food vendors.

(2) Cost Structure:

- The system’s cost structure will include development and maintenance costs, marketing and advertising expenses, and operational costs such as logistics and supply chain management.

(3) Break-Even Analysis:

- A break-even analysis will be necessary to determine the point at which the system’s revenue equals its total fixed and variable costs.

(4) Return on Investment (ROI):

- The system’s ROI will need to be evaluated to determine its viability and potential for growth.

# SYSTEM ANALYSIS

- System Modules:

1. Admin

- Login
- Approve Vendor
- View Sales

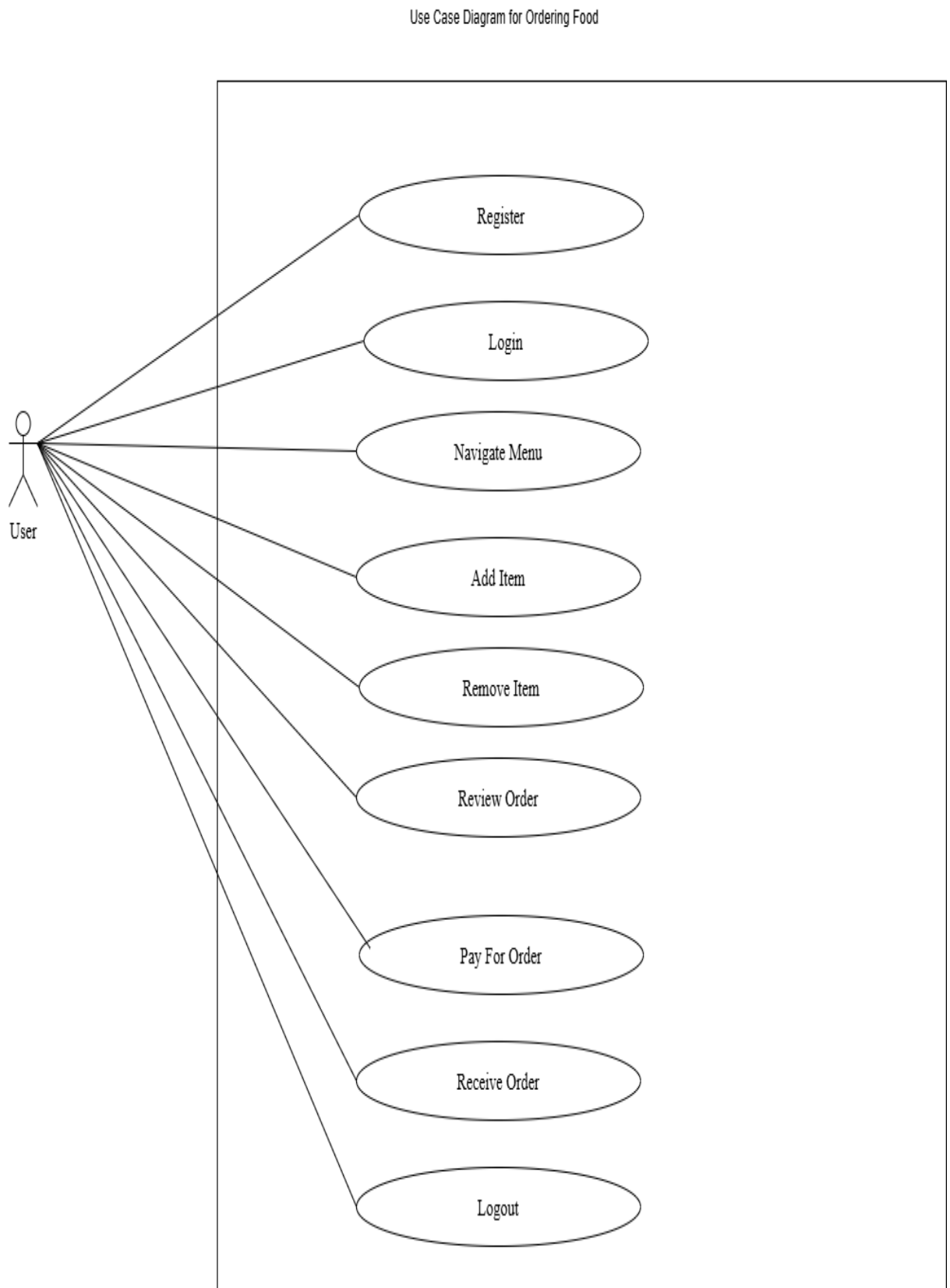
2. Vendor

- Register
- Login
- Add Food Item
- Delete Food item
- Update Status – Pending, Accepted, Delivered
- View Feedback & Rating
- My Profile

3. Customer

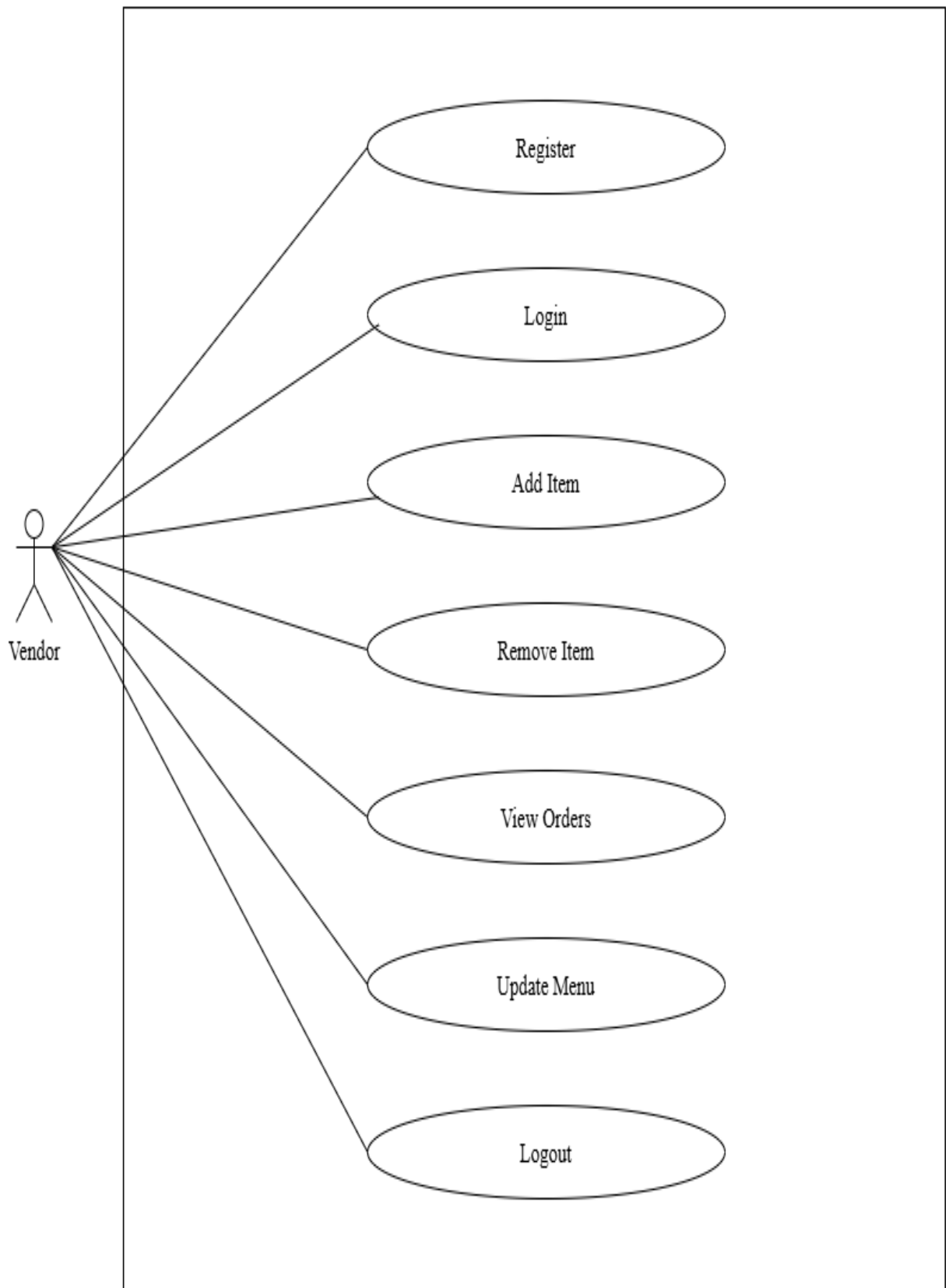
- Register
- Login
- Search restaurant
- Search food item
- Add to cart
  - Update qty
  - Remove item
- Place order
- My Order
- View order status

- Use Case Diagram (User):



- Use Case Diagram (Vendor):

Use Case Diagram for Ordering Food



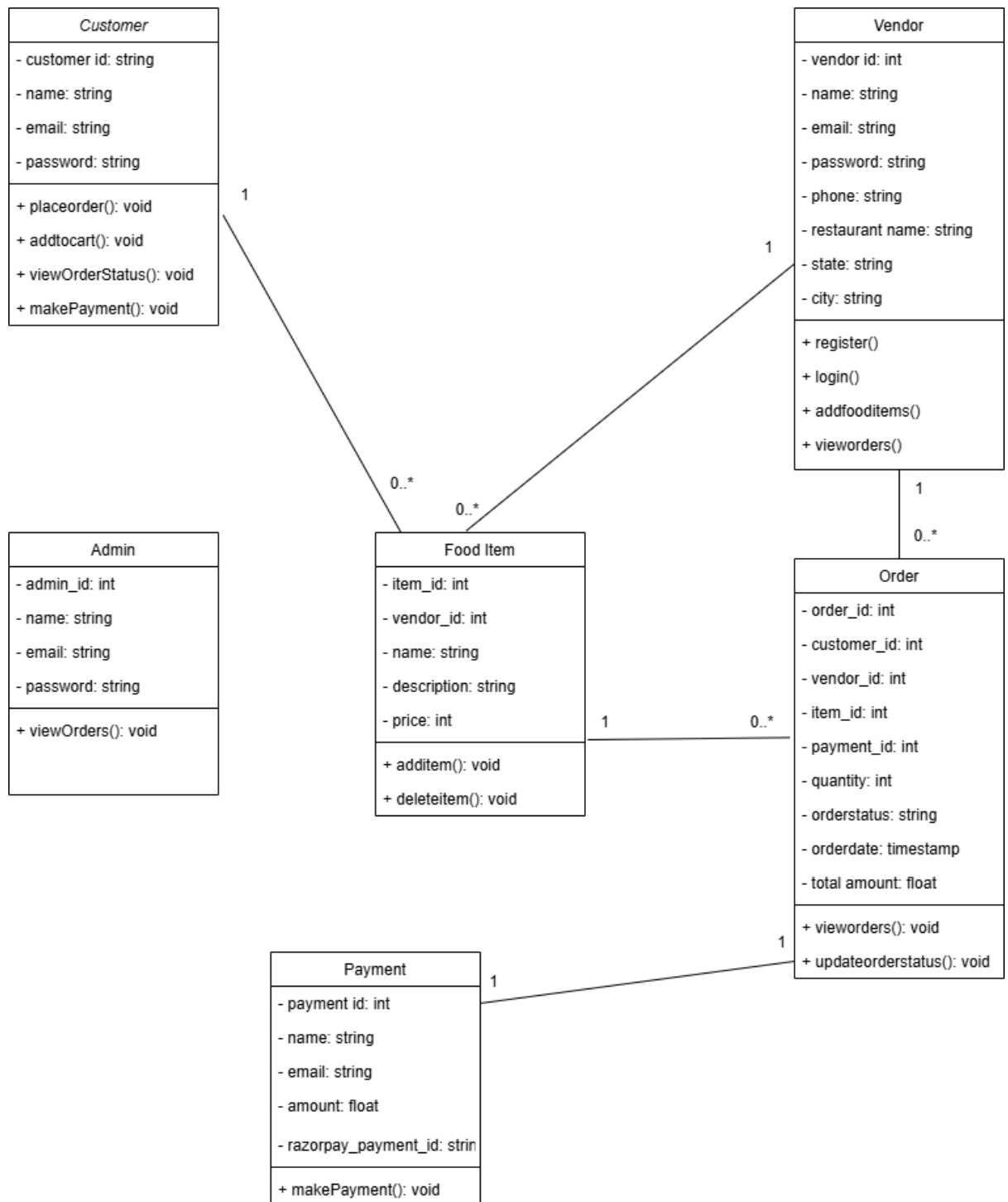
- Use Case Diagram (Admin):

Use Case Diagram for Ordering Food

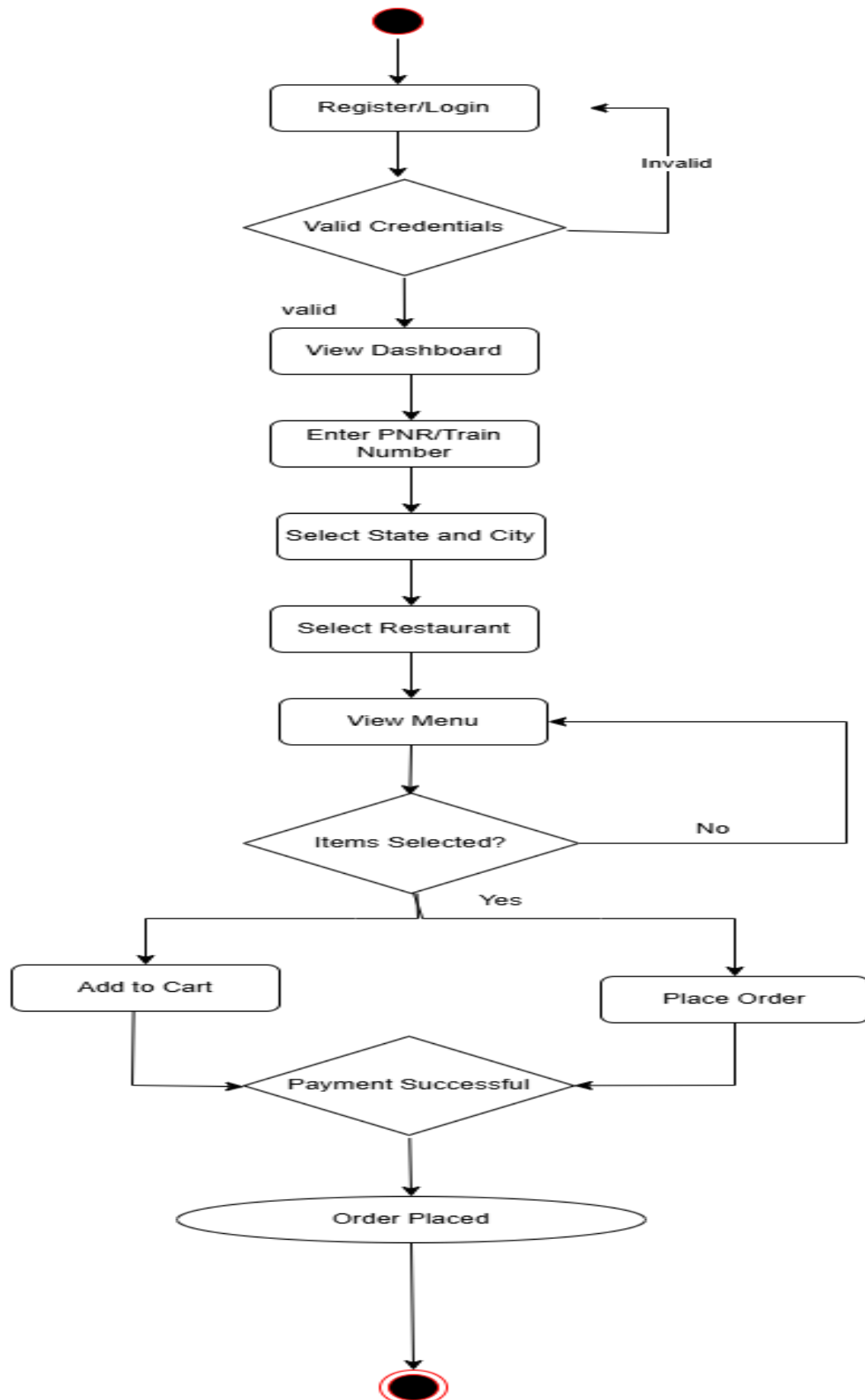




- Class Diagram:

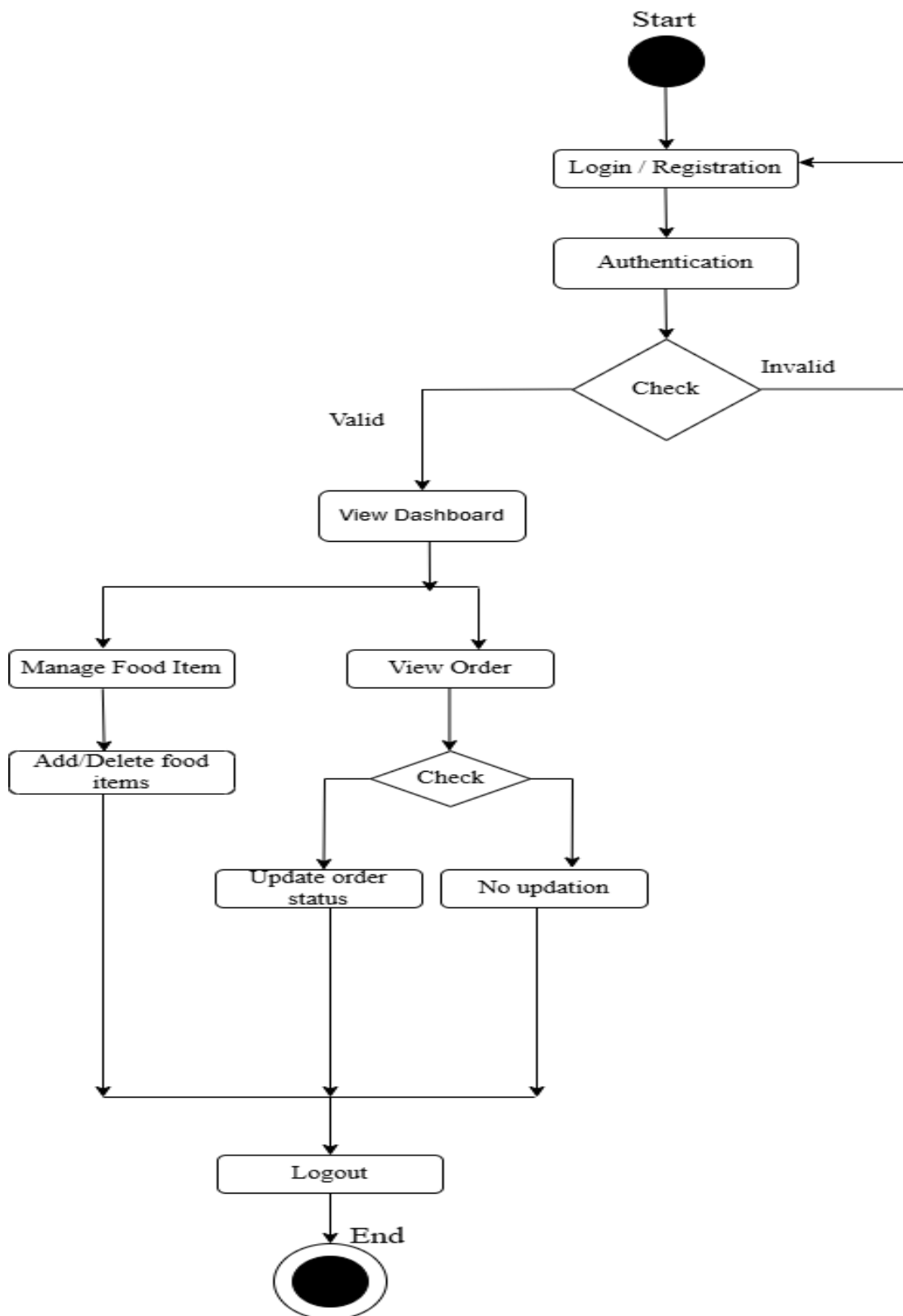


- Activity Diagram(User):



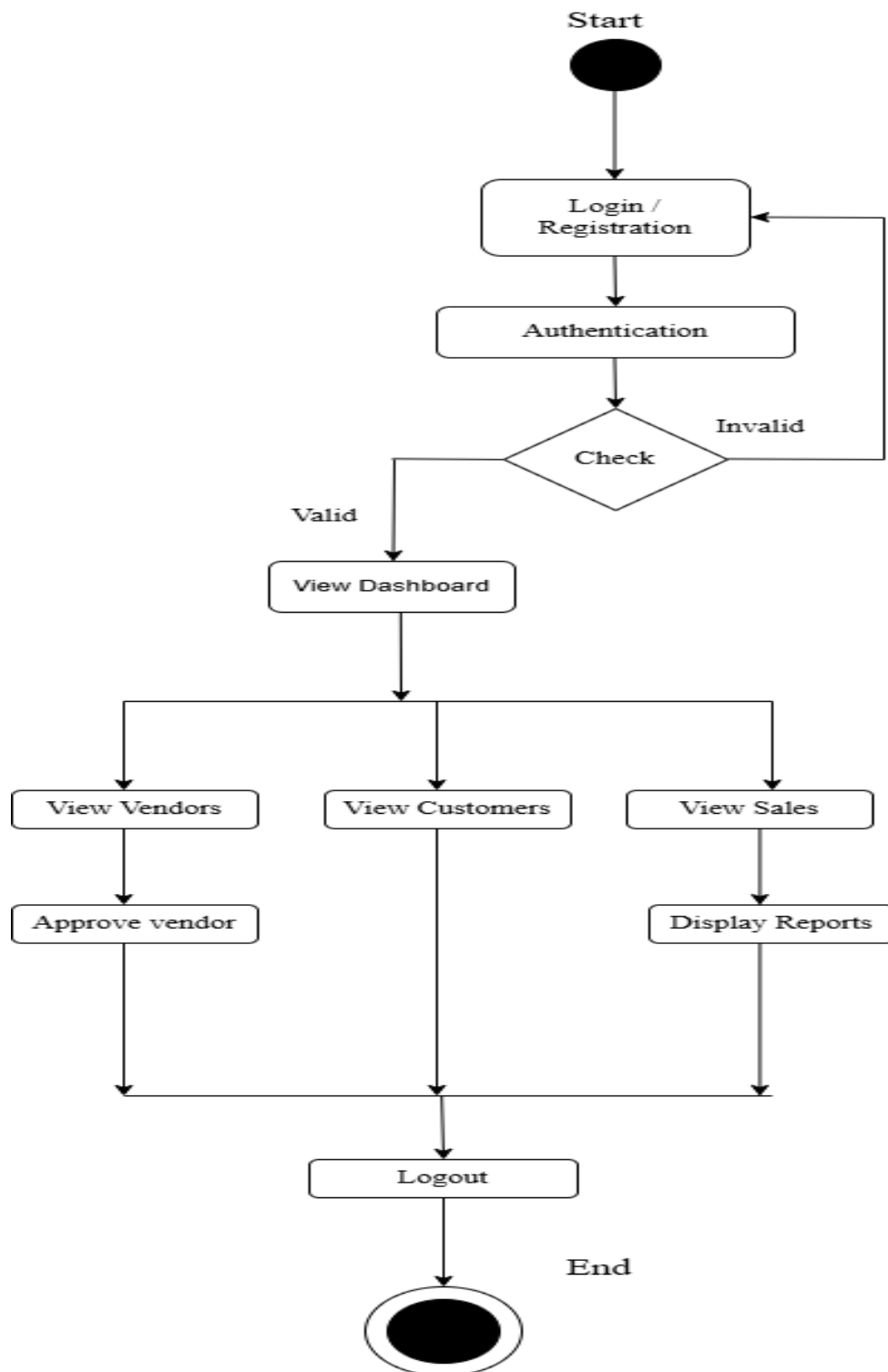
- Activity Diagram(Vendor):

### Activity Diagram for Vendor Side



- Activity Diagram(Admin):

### Activity Diagram for Admin Side



# SYSTEM DESIGN

- Data Dictionary:

(1) Table Name: vendors

Column Name	Data Type	Description
vendor_id	int(11)	Primary Key, Auto Increment
owner_name	varchar(50)	Full name
restaurant_name	varchar(50)	Restaurant Name
mobile_number	varchar(15)	Mobile Number
email	varchar(50)	Email Address
password	varchar(255)	Hashed Password
state	varchar(50)	State of Restaurant
city	varchar(50)	City of Restaurant
gst_number	varchar(50)	GST Number
is_approved	enum(pending, approved, rejected)	Approval from Admin

(2) Table Name: customers

Column Name	Data Type	Description
customer_id	int(11)	Primary Key, Auto Increment
email	varchar(50)	Email Address
name	varchar(50)	Full Name
mobile_number	varchar(50)	Mobile Number
password	varchar(255)	Hashed Password

(3) Table Name: admin

Column Name	Data Type	Description
admin_id	int(11)	Primary Key
name	varchar(50)	Email Address
email	varchar(50)	Full Name
password	varchar(50)	Hashed Password

## (4) Table Name: fooditems

Column Name	Data Type	Description
item_id	int(11)	Primary Key Auto Increment
image_path	varchar(255)	Path of Food Image Stored
name	varchar(50)	Name of Food Item
price	varchar(50)	Price of Food Item
vendor_id	int(11)	Foreign Key referencing vendor_id
deleted_at	timestamp	Time at which item was deleted

## (5) Table Name: orders

Column Name	Data Type	Description
order_id	int(11)	Primary Key Auto Increment
item_id	int(11)	
vendor_id	int(11)	Foreign Key referencing vendor_id
customer_id	int(11)	Foreign Key referencing customer_id
payment_id	int(11)	Foreign Key referencing payment_id in payments table
quantity	int(11)	Quantity of food ordered
order_status	<u>enum('pending', 'accepted', 'delivered', 'canceled')</u>	Order Status (i.e. Pending, Accepted, Delivered, Canceled)
order_date	timestamp	Order Placement Date

total_amount	decimal(8,2)	Total Price of Order
created_at	timestamp	Time at which order is made

## (6) Table Name: carts

Column Name	Data Type	Description
id	int(11)	Primary Key, Auto Increment
customer_id	int(11)	Foreign Key referencing customer_id in customers table
item_id	int(11)	Foreign Key referencing item_id in fooditems table
quantity	int(11)	Quantity of the item the customer wants to buy
created_at	timestamp	Time at which the item is added to cart

## (7) Table Name: payments

Column Name	Data Type	Description
payment_id	int(11)	Primary Key Auto Increment
order_id	int(11)	Foreign Key referencing order_id
customer_id	int(11)	Foreign Key referencing customer_id
vendor_id	int(11)	Foreign Key referencing vendor_id
amount	number	Total Amount to be Paid
razorpay_payment_id	varchar(50)	ID from razorpay app



status	tinyint(1)	Payment successful or not
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(8) Table Name: states

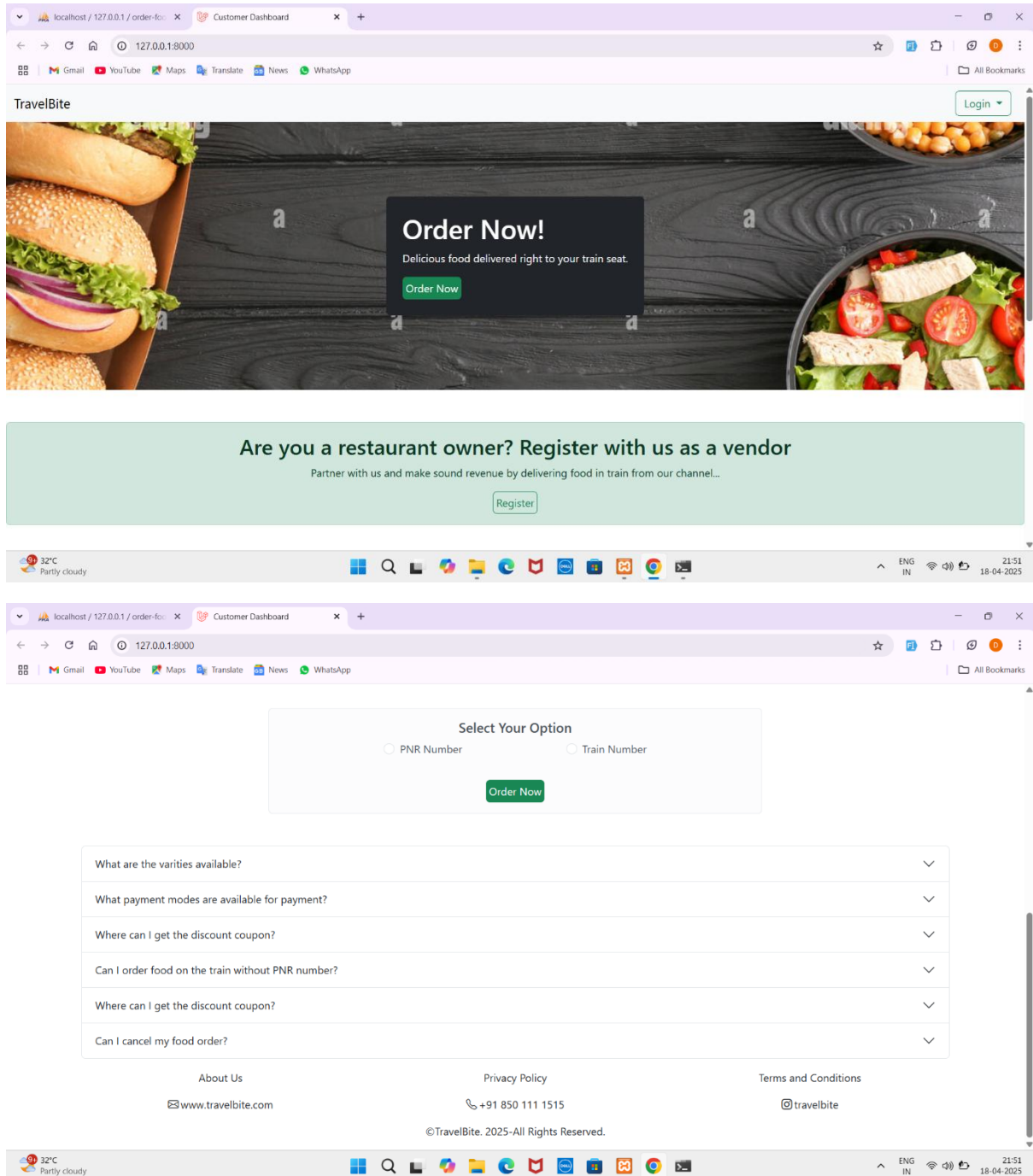
Column Name	Data Type	Description
state_id	int(11)	Primary Key, Auto Increment
state_name	varchar(30)	Name of state

(9) Table Name: cities

Column Name	Data Type	Description
city_id	int(11)	Primary Key, Auto Increment
city_name	varchar(30)	Name of city
state_id	int(11)	Foreign key referencing state_id in states table

- Screen Layouts:

## Customer Dashboard



## Customer Login Page

TravelBite

### Login Here!

Email address:

Password:

[New Here! Register Now.](#)

About Us      Privacy Policy      Terms and Conditions

✉ www.travelbite.com      ☎ +91 850 111 1515      @travelbite

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## Customer Registration Page

TravelBite

### Register Here!

Please fill the details below to get registered and order delicious food.

Email address:

Name:

Mobile Number:

Password:

[Already Registered? Login Here.](#)

About Us      Privacy Policy      Terms and Conditions

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## Order Now Page

localhost / 127.0.0.1 / order-now x Order Now x +

127.0.0.1:8000/order-now

TravelBite Welcome, Nisarg Shah More Logout

State: City:

Select State Select City

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32°C Partly cloudy

localhost / 127.0.0.1 / order-now x Order Now x +

127.0.0.1:8000/order-now

TravelBite Welcome, Nisarg Shah More Logout

State: City:

Select State Select City

Gujarat

Madhya Pradesh

Maharashtra

Punjab

Rajasthan

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## ORDER FOOD ON RAILS

localhost / 127.0.0.1 / order-fo: x Order Now x +

127.0.0.1:8000/order-now

Gmail YouTube Maps Translate News WhatsApp

TravelBite Welcome, Nisarg Shah More Logout

State: Gujarat

City: Select City

Select City

Vadodara

Ahmedabad

Gandhinagar

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32°C Partly cloudy

ENG IN 21:52 18-04-2025

localhost / 127.0.0.1 / order-fo: x Order Now x +

127.0.0.1:8000/order-now

Gmail YouTube Maps Translate News WhatsApp

TravelBite Welcome, Nisarg Shah More Logout

State: Gujarat

City: Vadodara

Hot and Spicy

Vendor Name: Disha Patel

Get Menu

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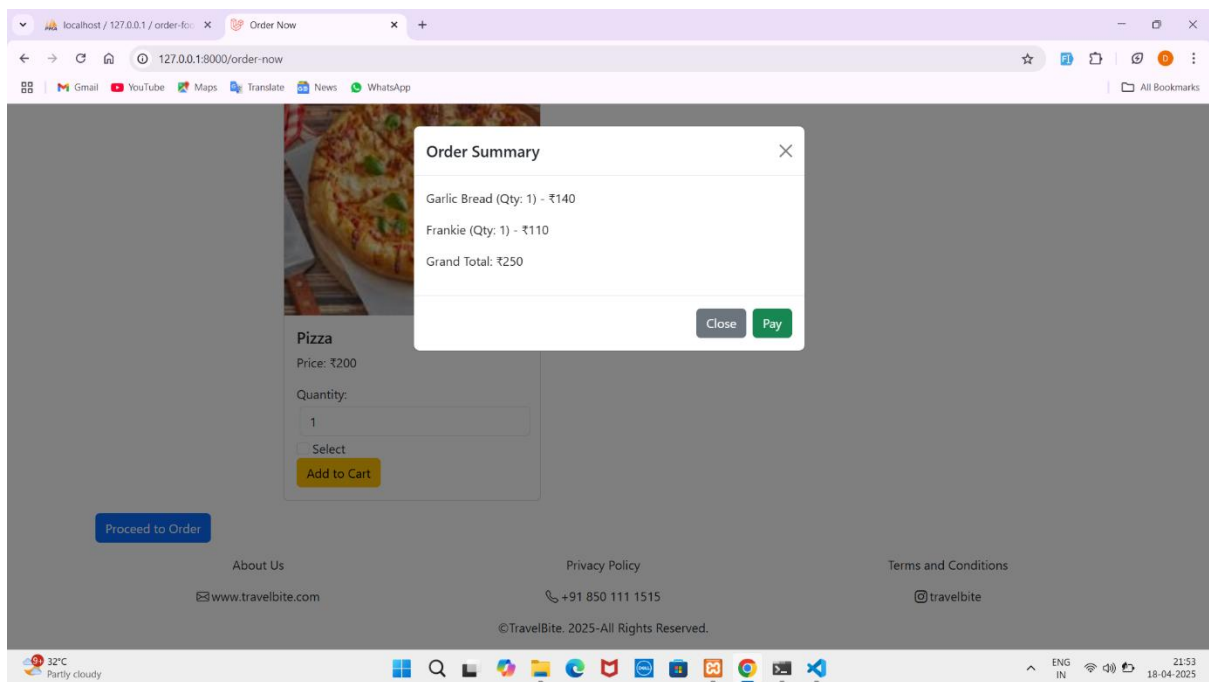
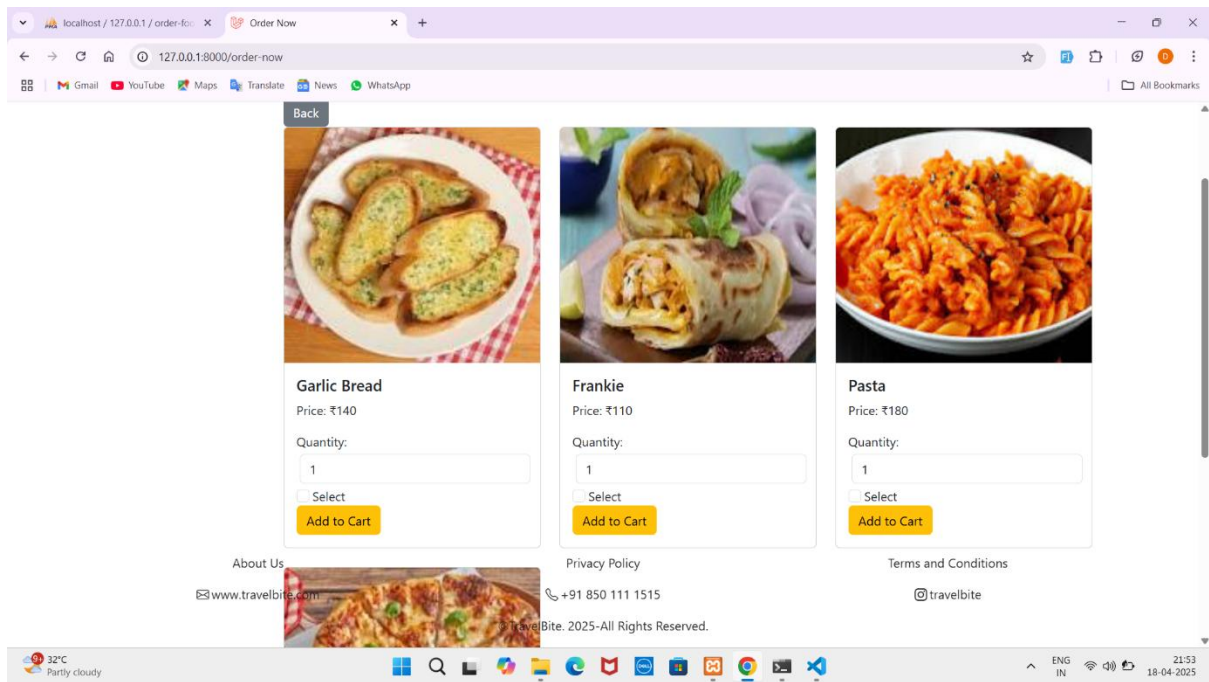
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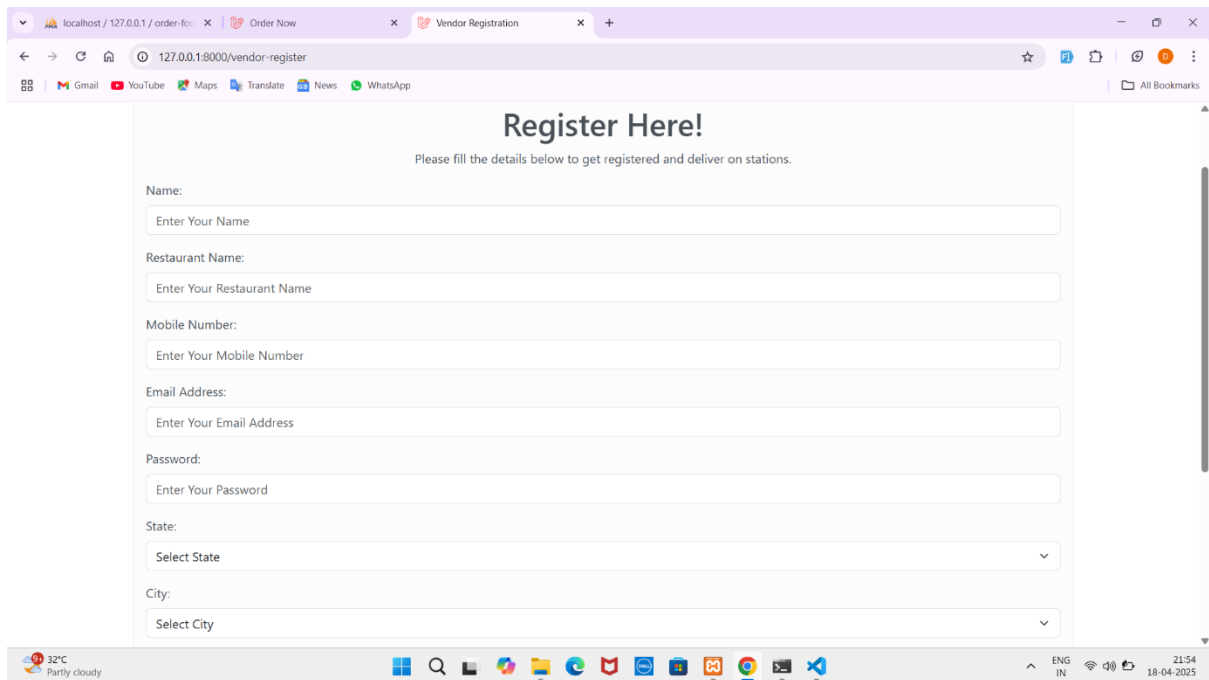
32°C Partly cloudy

ENG IN 21:53 18-04-2025

## ORDER FOOD ON RAILS



## Vendor Registration Page



The screenshot shows a web browser window with the URL `127.0.0.1:8000/vendor-register`. The page has a light gray background and a white registration form. The form is titled "Register Here!" and includes a subtext: "Please fill the details below to get registered and deliver on stations." The form fields are: Name (text input), Restaurant Name (text input), Mobile Number (text input), Email Address (text input), Password (text input), State (dropdown menu), and City (dropdown menu). The browser's taskbar at the bottom shows the Windows logo, search icon, and various application icons. The system tray on the right indicates the date and time as 18-04-2025, 21:54.

Register Here!

Please fill the details below to get registered and deliver on stations.

Name:  
Enter Your Name

Restaurant Name:  
Enter Your Restaurant Name

Mobile Number:  
Enter Your Mobile Number

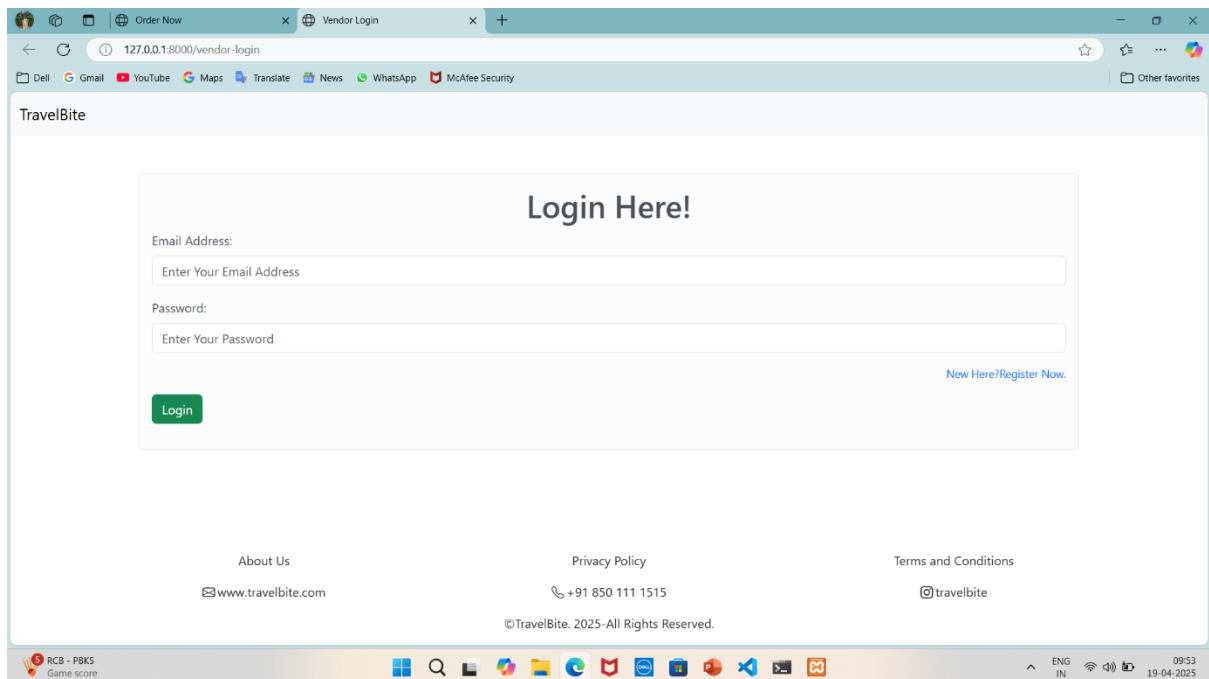
Email Address:  
Enter Your Email Address

Password:  
Enter Your Password

State:  
Select State

City:  
Select City

## Vendor Login Page



The screenshot shows a web browser window with the URL `127.0.0.1:8000/vendor-login`. The page has a light blue background and a white login form. The form is titled "Login Here!" and includes the following fields: Email Address (text input) and Password (text input). A green "Login" button is located below the password field. A link "New Here/Register Now." is positioned to the right of the password field. The footer of the page contains links for "About Us", "Privacy Policy", and "Terms and Conditions", along with the website URL `www.travelbite.com`, a phone number `+91 850 111 1515`, and a social media handle `@travelbite`. The browser's taskbar at the bottom shows the Windows logo, search icon, and various application icons. The system tray on the right indicates the date and time as 19-04-2025, 09:53.

Login Here!

Email Address:  
Enter Your Email Address

Password:  
Enter Your Password

[New Here/Register Now.](#)

Login

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## Vendor Dashboard

localhost / 127.0.0.1 / order-fo: x Order Now x Vendor Dashboard x +

127.0.0.1:8000/vendor-dashboard

Gmail YouTube Maps Translate News WhatsApp All Bookmarks

TravelBite Logout

## Welcome, Disha Patel

- My Profile
- Add Items
- View Orders
- Past Orders
- Trashed Items

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ENG IN 21:55 18-04-2025

localhost / 127.0.0.1 / order-fo: x Order Now x Vendor Dashboard x +


127.0.0.1:8000/vendor/displayitems

Gmail YouTube Maps Translate News WhatsApp All Bookmarks


TravelBite Logout

## Welcome, Disha Patel


### My Items



**Garlic Bread**  
Price: ₹140  
[Delete](#)



**Frankie**  
Price: ₹110  
[Delete](#)



**Pasta**  
Price: ₹180  
[Delete](#)

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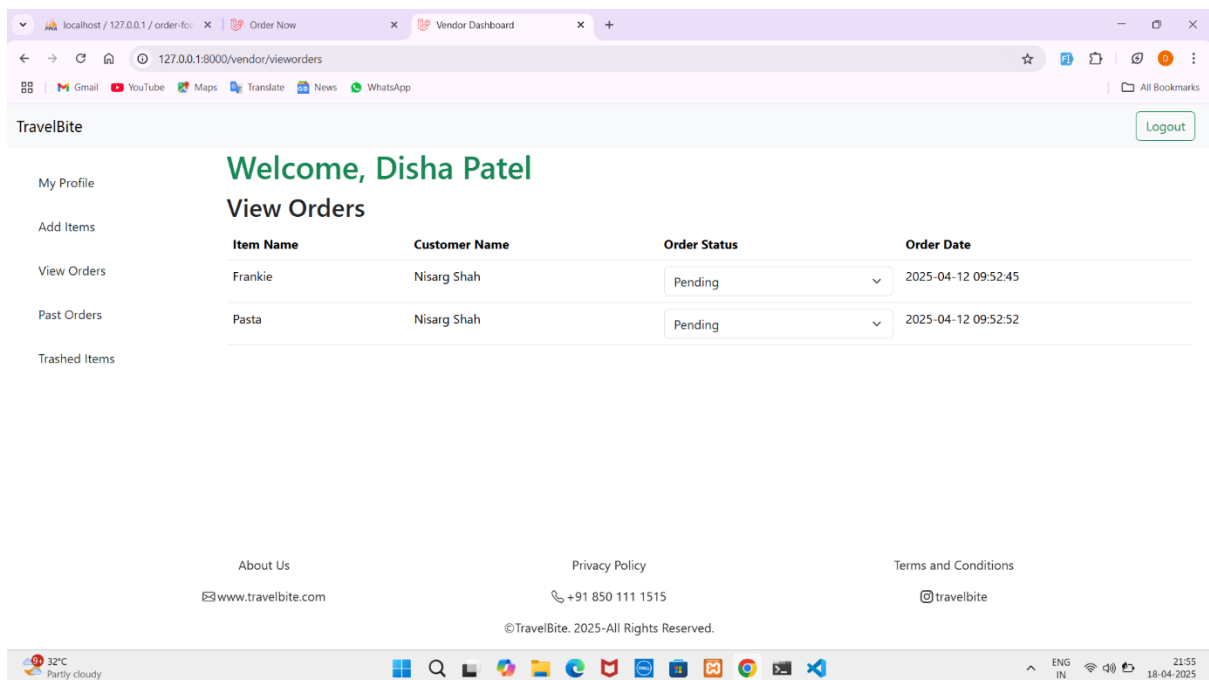
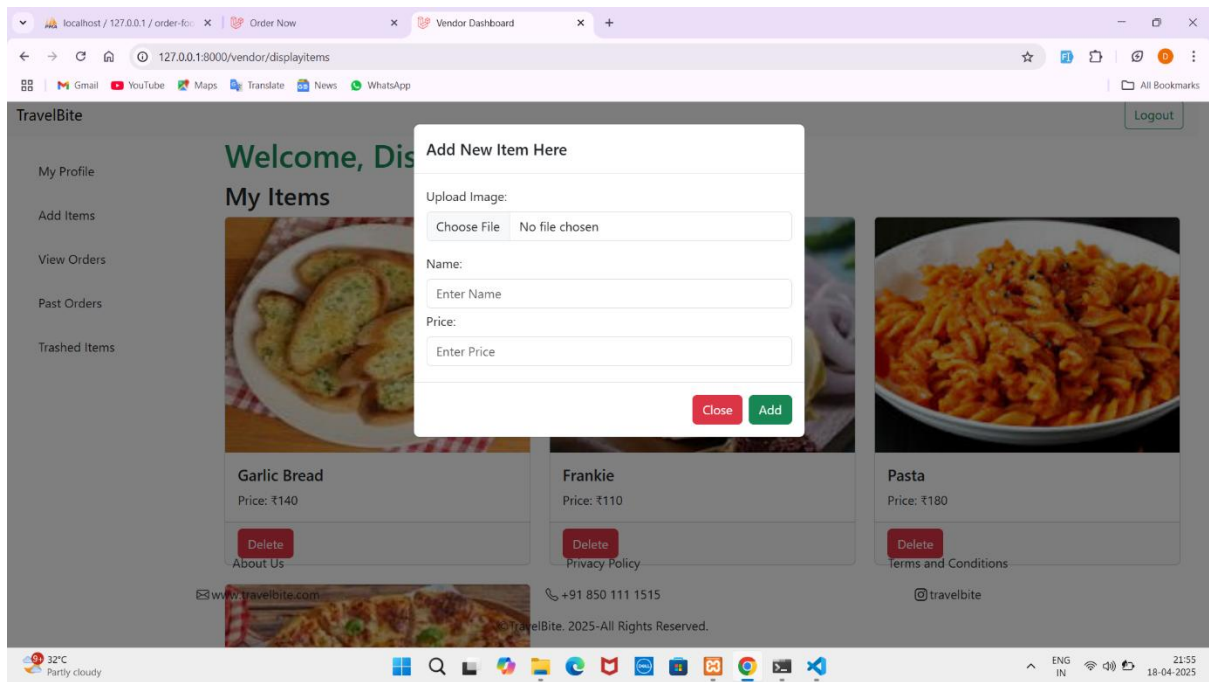
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32°C Partly cloudy

ENG IN 21:55 18-04-2025



## ORDER FOOD ON RAILS



The screenshot shows a web browser window with the URL `127.0.0.1:8000/get-trashed-items`. The page is titled "TravelBite" and has a "Logout" button in the top right corner. On the left, there is a sidebar with links: "My Profile", "Add Items", "View Orders", "Past Orders", and "Trashed Items". The main content area displays a "Welcome, Disha Patel" message and a "Trashed Items" section. This section contains a card for an item named "Frankie" with a price of ₹110. Below the item name are two buttons: a green "Restore" button and a red "Delete Permanently" button. At the bottom of the page, there is a footer with links for "About Us", "Privacy Policy", and "Terms and Conditions", along with contact information: "www.travelbite.com", "+91 850 111 1515", and "@travelbite". The copyright notice "©TravelBite. 2025-All Rights Reserved." is also present. The browser's taskbar at the bottom shows the system clock as 21:56 on 18-04-2025, with a weather widget indicating 32°C and "Partly cloudy".

## Admin Login Page

The screenshot shows a web browser window with the URL `127.0.0.1:8000/admin-login`. The page is titled "TravelBite" and has a "Login" button in the top right corner. The main content area features a "Login Here!" heading and a login form. The form has two input fields: "Email Address:" and "Password:". Below the "Password:" field is a green "Login" button. At the bottom of the page, there is a footer with links for "About Us", "Privacy Policy", and "Terms and Conditions", along with contact information: "www.travelbite.com", "+91 850 111 1515", and "@travelbite". The copyright notice "©TravelBite. 2025-All Rights Reserved." is also present. The browser's taskbar at the bottom shows the system clock as 21:56 on 18-04-2025, with a weather widget indicating 32°C and "Partly cloudy".

## Admin Dashboard

localhost / 127.0.0.1 / order-fo... x

Order Now x

Vendor Dashboard x

Admin Dashboard x

+ x

127.0.0.1:8000/admin-dashboard

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TravelBite

Logout

Welcome, Admin

View Vendors

View Customers

Total Sales

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ENG IN

21:57 18-04-2025

localhost / 127.0.0.1 / order-fo... x

Order Now x

Vendor Dashboard x

Admin Dashboard x

+ x

127.0.0.1:8000/admin/view-vendors

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List of Registered Vendors

Vendor ID	Name	Restaurant Name	Mobile Number	Email	State	City	GST Number	Accept Vendors
1	Disha Patel	Hot and Spicy	8862546619	dishapatel01@gmail.com	1	1	7874662523	Accepted
2	Krishna Shah	Taste of Punjab	8852625410	krishashah01@gmail.com	3	7	7762345167	Accepted
3	Sahil Patel	The Morsel Restaurant	9898706412	sahilpatel01@gmail.com	5	13	6354940621	Accepted
4	Nidhi Joshi	The Food Point	8466256123	nidhijoshi01@gmail.com	5	13	6678901515	Accepted
5	Yash Vyas	Vegetarian Point	6366256123	yashvyas01@gmail.com	1	2	8765288661	Accepted
6	Mona Patel	White Potato	9488635412	monapatel01@gmail.com	4	11	7874556612	Accepted
7	Tisha Patel	Blue Lagoons	7466352667	tishapatel01@gmail.com	1	2	6656512302	Accepted
8	Isha Shah	Bombay Canteen	8862510978	ishashah01@gmail.com	2	4	6645365101	Accepted
9	Mona Patel	SkyDine	7476112725	monapatel01@gmail.com	1	2	6688231321	Accepted
10	Ketan Patel	SkyDine	9886254612	ketanpatel01@gmail.com	1	2	6688231212	Accepted

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127.0.0.1:8000/admin/view-customers

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localhost / 127.0.0.1 / order-fo... x Order Now x Vendor Dashboard x Admin Dashboard x +

127.0.0.1:8000/admin/view-customers

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List of Registered Customers

Customer ID	Email	Name	Mobile Number
1	kushpatel01@gmail.com	Kush Patel	8463551234
2	nisargshah01@gmail.com	Nisarg Shah	7874352127
3	kaushalpatel01@gmail.com	Kaushal Patel	9406226978

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## Payments:

Vendor Activity Diagram x classdiagram.png - draw.io x Order Now x +

127.0.0.1:8000/order-now

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Test Mode

TravelBite

Price Summary

₹610

Using as +91 63562 76179

Proceed to Order

Secured by Razorpay

Payment Options

Recommended

UPI QR

UPI

Cards

Netbanking

Wallet

Pay Later

Scan the QR using any UPI App

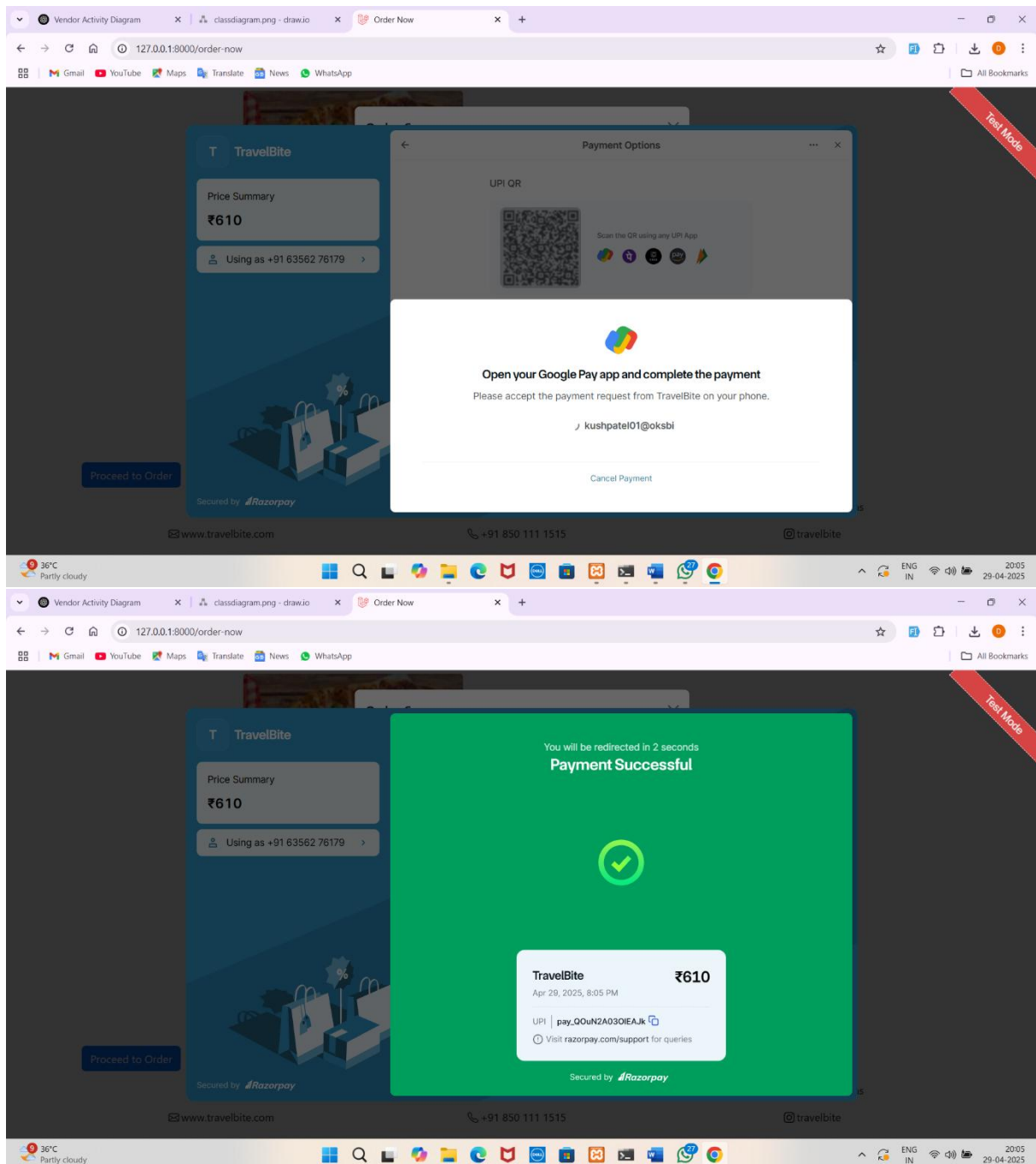
Recommended

UPI - Google Pay

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## ORDER FOOD ON RAILS



# SYSTEM TESTING

- **Testing Strategies:**

- Unit Testing**

- **Objective:** Test individual units/components of the system in isolation.
    - **Scope:**
      - Customer Registration, Login, Profile update functions.
      - Vendor Add/Edit/Delete Menu Item functionalities.
      - Admin Approve Vendor and Generate Reports functionalities.
    - **Tools:** PHPUnit for backend logic, Jest for any JavaScript-based utilities.

- Integration Testing**

- **Objective:** Ensure multiple modules/services interact properly.
    - **Scope:**
      - Order placement and vendor notification integration.
      - Payment gateway integration and order status update.
      - Vendor adding menu items and customer viewing updated menus.
    - **Tools:** Laravel Feature Tests (HTTP Testing), Postman Collection Testing.

- System Testing**

- **Objective:** Validate the complete and integrated web application.
    - **Scope:**
      - Customer journeys (Browse, Order, Pay).
      - Vendor operations (Manage menu, Handle orders).

- Admin operations (Approve vendors, View sales reports).
- **Tools:** Manual testing, Selenium (optional for automation).

### User Acceptance Testing (UAT)

- **Objective:** Validate the system from the end-user perspective.
- **Scope:**
  - Customer experience (ease of ordering, payment confirmation).
  - Vendor experience (ease of menu management, order tracking).
  - Admin experience (control panel access, viewing activities).
- **Approach:** Real-world scenario testing with sample users.

### Regression Testing

- **Objective:** Verify that recent changes have not broken existing functionality.
- **Scope:**
  - Retesting critical features such as order placement, login, payment processing, and reporting after every release.
- **Approach:** Maintain regression test cases for every major module and execute after code changes.

### Performance Testing

- **Objective:** Measure application responsiveness and stability under heavy load.
- **Scope:**



- Simulating high order traffic (e.g., 100+ simultaneous orders).
  - Checking vendor dashboard performance under bulk orders.
- **Tools:** JMeter, Laravel Telescope for monitoring.
- **Test Cases:**
  - 1. Customer Module Test Cases**

### 1.1 Customer Registration

Test Case ID	Test Scenario	Expected Result	Status
CUST_REG_01	Register with valid details	Account created successfully	PASS
CUST_REG_02	Register with missing required fields	Appropriate validation error shown	PASS
CUST_REG_03	Register with invalid email format	Error: "Invalid email address"	PASS
CUST_REG_04	Register with already used email	Error: "Email already registered"	PASS

### 1.2 Customer Login

Test Case ID	Test Scenario	Expected Result	Status
CUST_LOG_01	Login with valid credentials	Redirected to customer dashboard	PASS
CUST_LOG_02	Login with invalid credentials	Error: "Invalid email/password"	PASS
CUST_LOG_03	Attempt login with blank fields	Validation error shown	PASS

**1.3 Browse Restaurants**

Test Case ID	Test Scenario	Expected Result	Status
CUST_BRW_01	View list of available restaurants	Restaurants listed successfully	PASS
CUST_BRW_02	Search restaurant by name	Correct search results displayed	PASS
CUST_BRW_03	Filter restaurants by city/state	Filtered list displayed correctly	PASS

**1.4 View Menu Items**

Test Case ID	Test Scenario	Expected Result	Status
CUST_MENU_01	View menu items of a restaurant	Menu items displayed properly	PASS
CUST_MENU_02	Menu item details are correct	Correct name, description, price shown	PASS

**1.5 Place an Order**

Test Case ID	Test Scenario	Expected Result	Status
CUST_ORD_01	Add item to cart	Item added successfully	PASS
CUST_ORD_02	Modify quantity in cart	Quantity updated successfully	PASS
CUST_ORD_03	Place order with valid payment	Order placed successfully, confirmation shown	PASS
CUST_ORD_04	Place order with payment failure	Error message shown, order not placed	PASS

## 1.6 View Order Status

Test Case ID	Test Scenario	Expected Result	Status
CUST_STAT_01	View current orders	Current order status displayed	PASS
CUST_STAT_02	View past orders history	Past orders displayed correctly	PASS

## 2. Vendor Module

### 2.1 Vendor Registration

Test Case ID	Test Scenario	Expected Result	Status
VEND_REG_01	Register with valid details	Vendor account pending approval	PASS
VEND_REG_02	Register with missing fields	Validation error shown	PASS
VEND_REG_03	Register with existing email	Error: "Email already registered"	PASS

### 2.2 Vendor Login

Test Case ID	Test Scenario	Expected Result	Status
VEND_LOG_01	Login with approved vendor account	Redirected to vendor dashboard	PASS
VEND_LOG_02	Login with unapproved account	Error: "Account not approved yet"	PASS
VEND_LOG_03	Login with invalid credentials	Login fails, error shown	PASS

### 2.3 Add/Edit/Delete Menu Items

Test Case ID	Test Scenario	Expected Result	Status
VEND_MENU_01	Add new menu item	Menu item added successfully	PASS

VEND_MENU_02	Add menu item with missing required fields	Validation error shown	PASS
VEND_MENU_03	Delete an existing menu item	Menu item deleted successfully	PASS

## 2.4 View Orders

Test Case ID	Test Scenario	Expected Result	Status
VEND_ORD_01	View new incoming orders	Orders displayed in real-time	PASS
VEND_ORD_02	Update order status (Pending/Accepted/Delivered)	Status updated successfully	PASS

## 3. Admin Module Test Cases

### 3.1 Admin Login

Test Case ID	Test Scenario	Expected Result	Status
ADM_LOG_01	Login with valid credentials	Redirected to admin dashboard	PASS
ADM_LOG_02	Login with invalid credentials	Error: "Invalid email/password"	PASS

### 3.2 Manage Vendors

Test Case ID	Test Scenario	Expected Result	Status
ADM_VEND_01	View list of registered vendors	List displayed successfully	PASS
ADM_VEND_02	Approve vendor registration request	Vendor account approved	PASS
ADM_VEND_03	Reject vendor registration request	Vendor account rejected	PASS

### 3.3 Manage Customers

Test Case ID	Test Scenario	Expected Result	Status
ADM_CUST_01	View list of customers	Customers listed successfully	PASS

### 3.4 View Sales Reports

Test Case ID	Test Scenario	Expected Result	Status
ADM_REP_01	View weekly sales report	Weekly sales data displayed	PASS
ADM_REP_02	View monthly sales report	Monthly sales data displayed	PASS
ADM_REP_03	Filter sales report by city	Correct data filtered and shown	PASS

## 4. System-Wide Test Cases

### 4.1 Session Management

Test Case ID	Test Scenario	Expected Result	Status
SYS_SESS_01	Session timeout after inactivity	User logged out automatically	PASS
SYS_SESS_02	Logout functionality works correctly	Session cleared, redirected to login page.	PASS

## 4.2 Payment Integration

Test Case ID	Test Scenario	Expected Result	Status
SYS_PAY_01	Successful payment transaction	Payment successful, order placed	PASS
SYS_PAY_02	Failed payment transaction	No order created	PASS
SYS_PAY_03	Payment cancellation by user	Payment cancelled, return to cart	PASS

## 4.3 Security Test Cases

Test Case ID	Test Scenario	Expected Result	Status
SEC_01	Passwords are stored as hashes	Passwords hashed in database	PASS
SEC_02	CSRF Protection on forms	CSRF token required and verified	PASS

# FUTURE ENHANCEMENTS

### **Customer Module Enhancements**

- **Real-Time Order Tracking**  
Allow customers to track their food order status (e.g., "Preparing," "Out for Delivery," "Delivered") in real time.
- **Rating and Reviews**  
Enable customers to rate restaurants and write reviews after completing an order.
- **Loyalty and Rewards Program**  
Introduce reward points or discount coupons for frequent customers.
- **Personalized Recommendations**  
Suggest restaurants or dishes based on customer order history and preferences.
- **Order Scheduling**  
Allow customers to pre-schedule orders for a later time or date.

### **Vendor Module Enhancements**

- **Menu Management Enhancements**  
Allow vendors to create promotional offers (e.g., "Buy 1 Get 1 Free" or "Weekend Discounts") directly from their dashboard.
- **Sales Analytics Dashboard**  
Provide detailed reports for vendors (sales trends, popular items, peak hours, customer demographics).



- **Inventory Management**  
Allow vendors to manage item availability and update stock status.
- **Vendor Chat Support**  
Introduce direct communication between vendors and customers for customizations or order issues.

### **Admin Module Enhancements**

- **Advanced Reporting and Insights**  
Generate monthly/weekly sales, city-wise performance, and top-performing vendor reports.
- **Dispute Management System**  
Create a panel to handle customer complaints or disputes with vendors.
- **Dynamic Commission Management**  
Allow admins to set flexible commission rates for vendors based on their performance or tenure.
- **Marketing Tools**  
Enable admins to launch app-wide promotions (e.g., festive discounts, first-order discounts).

### **Overall Project Enhancements**

- **Mobile Application (iOS/Android)**  
Build a cross-platform mobile app for better reach and user engagement.
- **Push Notifications**  
Notify users (customers/vendors) about order updates, offers, and news.
- **Multi-Language Support**  
Add support for different languages to attract a wider user base.
- **Payment Gateway Integration**  
Expand payment options (Google Pay, Apple Pay, Wallets) for smoother transactions.

- **AI-Based Search and Filtering**  
Use AI/ML to enhance search accuracy and suggest restaurants or dishes dynamically.
- **Real-Time Chatbot Support**  
Implement a chatbot to help customers with FAQs or order issues instantly.

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