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Perfect Food Website

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List of Abbreviations

ERD: Entity Relationship Diagram.

UML: Unified modeling Language.

Certification

I certify that this work has not been accepted in substance for any academic degree and is not being concurrently submitted in candidature for any other degree. Any portions of this thesis for which I am indebted to other sources are mentioned and explicit references are given.

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Abstract

Because of the burdens and pressures of life, many people resort to getting meals by ordering ready-made food or going to one of the restaurants that offers distinctive and fresh food. Thus, they search online for restaurants near them or that provide delivery services, and their first interest is also to search for the best restaurants that offer... The most delicious types of food. Therefore, the possibility of ordering and reserving a table in a restaurant via the Internet has become an urgent necessity in our current time. You may find that most of those who come to visit your restaurant are only people close to your location. On the contrary, when you design a website for a restaurant, you can bring in many Visitors from different regions, your presence on the Internet helps spread the brand and many people know the restaurant's activities and the types of food served, thus increasing demand. Designing a website for a restaurant is very important to learn about the restaurant's activities, as it is the primary destination to attract many customers, especially those who have not visited the restaurant before, and thus obtain the first impression of the restaurant through their visit to your website. It highlights the most important and delicious foods it offers, in addition to the presence of some advanced services within the site, such as the ability to reserve a dining table, and also the ability to update the menu, in addition to adding the latest offers. Designing a restaurant website is the best way to reach a large fan base.

Introduction

In light of the changes and developments taking place in the world, especially in the world of marketing and offering products and services.

Most organizations that aim to satisfy customers in order to make a profit use all means that help in marketing and promoting their products or services that they provide to improve customer service. One of the best of these current means via the Internet is the website, where prospective customers can know a lot of information about the restaurant, including services, offers and prices, and thus get their first impression of the restaurant and the food items it offers and its quality through your website.

Scope for Project Of perfect food (Website)

For the convenience of customers and improving service, the website helps provide information about the restaurant and deal with it easily, as they can see the working hours, available food and prices without the need to call or go to the restaurant and make meals.

The main goal of this work is to satisfy customers by helping customers to find the required information about the restaurant and obtain offers and prices.

Objectives

- 1- It helps customers identify the items you offer by adding pictures of the menu and the best dishes. And also post deals or special offers.
- 2- Complete comfort for the customer, as information is provided about the restaurant and dealing with it with ease, as they can see the working hours, available food, and prices without the need to call or go to the restaurant.
- 3- The ability to target customers much faster.

1.2 Beneficiaries

Customers of all ages.

Businessman.

Working woman.

Restaurant owners and restaurant staff.

perfect food Website (Purpose)

Features offered by perfect food web site:

- 1- The possibility of ordering an online order with the availability of shipping, delivery and table reservation.**
- 2- It helps customers to identify the items you offer by adding pictures of the menu and the best dishes. And also post deals or special offers.**
- 3- Complete comfort for the customer, as information is provided about the restaurant and dealing with it with ease, as they can see the working hours, available food, and prices without the need to call or go to the restaurant.**
- 4- The website helps in providing information about the restaurant and dealing with it easily, as they can see the working hours, available foods and prices without the need to call or go to the restaurant and make meals for working women and events in the restaurant such as birthdays.**
- 5- It is also possible to evaluate and submit suggestions by customers on the service provided.**

Client-Server architecture

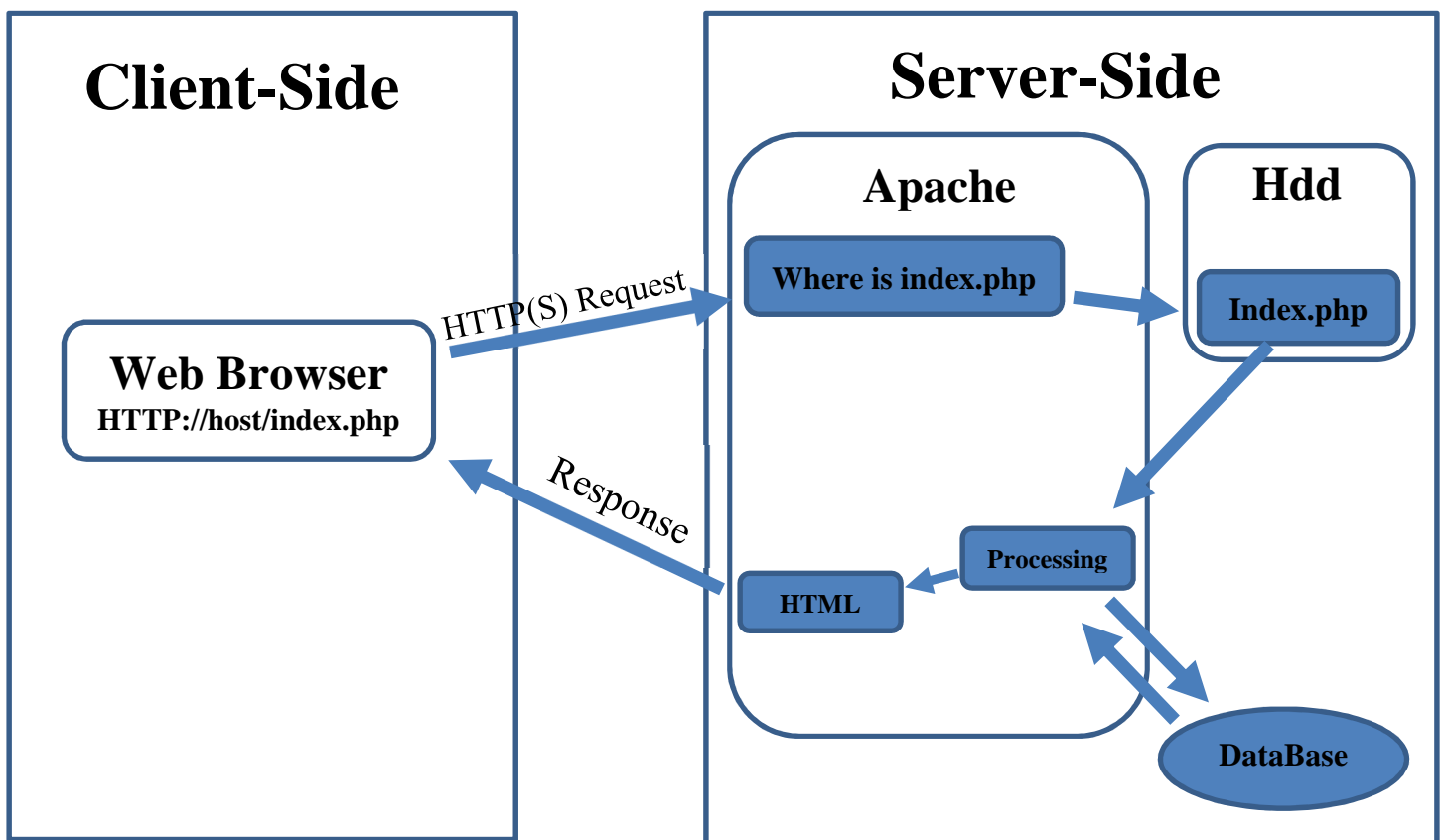


Figure 1.1

Requirement Specification

This section contains all the software requirements at a level of detail sufficient to enable designers to design a system to satisfy those requirements, and testers to test that the system satisfies those requirements. this analysis contains functional and non- functional requirements.

1. Online Menu:

- Display the complete menu with prices for food and beverages.
- Provide subpages for each food category (appetizers, main courses, desserts), and specify vegetarian or dietary options.

2. Online Reservation System:

- If your restaurant offers seating service, include an online reservation system to facilitate the booking process for customers.

3. Contact Information:

- Show the restaurant's address and working hours.
- Include a "Contact Us" page

4. Customer Reviews and Ratings:

- Provide a space for customers to leave reviews and comments on the food and service.

5. Delivery and Online Ordering Options:

- If the restaurant offers delivery service, include an online ordering system.

6. Responsive Design for Mobile Devices:

- Ensure that the website is compatible with all devices, including mobile phones and tablets.

7. Security and Data Protection:

- Implement security standards to protect customer information and sensitive data.

Function Requirements for the restaurant website:

Table 1.1

Identifier	Priority	Requirement
REQ001	5	The system shall allow users to securely register.
REQ002	5	The system shall allow users to securely login.
REQ003	5	The system shall allow users to securely logout.
REQ004	4	The system shall ensure that customers receive discounts based on their total orders prices using a tiered system.
REQ005	5	The system shall enable customers to access and view menus.
REQ006	5	The system shall enable customers to add multiple items to shopping cart.
REQ007	4	The system shall enable customers to delete items.
REQ008	5	The system shall enable customers to proceed to checkout and confirm the order.
REQ009	5	The system shall enable customers to display a summary of cart items, quantities, subtotals, and total order amount on the checkout page.
REQ010	3	The system shall enable customers to edit delivery details for the current order.
REQ011	3	The system shall allow customers to rate completed orders on a scale of 1 to 5 and provide optional comments.
REQ012	4	The system shall allow customers to make booking by providing the branch with location, date, time, and number of guests.
REQ013	3	The system shall allow customers to delete booking.
REQ014	3	The system shall enable customers to rate completed bookings on a scale of 1 to 5 and provide optional comments.
REQ015	5	The system shall allow users to update their accounts details, including password, name, address, and contact numbers.
REQ016	4	The system shall allow users to delete their accounts.
REQ017	3	The system shall allow customers to search for menu items based on criteria like minimum price, maximum price, or

		menu category.
REQ018	4	The system shall enable admin and branch manager to create and edit menus, including name, description, and status.
REQ019	3	The system shall allow admin and branch manager to delete menu.
REQ020	4	The system shall allow admin and branch manager to create and edit individual menu items, including image URL, price, description, and name.
REQ021	3	The system shall allow admin and branch manager to delete menu item.
REQ022	4	The system shall allow admin and branch manager to view a list of all orders.
REQ023	5	The system shall allow admins and branch manager to change orders statuses.
REQ024	4	The system shall allow admin and branch manager to cancel orders.
REQ025	4	The system shall allow admin and branch manager to view a list of all bookings.
REQ026	5	The system shall allow admins and branch-manager to change bookings statuses.
REQ027	4	The system shall allow admin and branch manager to cancel bookings.
REQ028	4	The system shall allow admin to view list of all users.
REQ029	4	The system shall allow admin to edit and delete all users' accounts.

User Story for the restaurant website:
Table 1.2

Identifier	User Story	Size
ST-1	As an authorized customer, I can securely register on the system.	8pt
ST-2	As an authorized customer, I can securely log in to the system using my registered credentials.	6pt
ST-3	As an authorized customer, I can securely log out of the system to ensure the security of my account.	6pt
ST-4	As an authorized customer, I can receive discounts based on my total order price using a tiered system.	6pt
ST-5	As an authorized customer, I can access and view the menu of available items from the system interface.	4pt
ST-6	As an authorized customer, I can add multiple items to my shopping cart to create my order.	5pt
St-7	As an authorized customer, I can delete items from shopping cart	2pt
ST-8	As an authorized customer, I can view a summary of my cart items before proceeding to checkout.	5pt
ST-9	As an authorized customer, I can edit delivery details for my current order on the checkout page.	6pt
ST-10	As an authorized customer, I can check out my order and receive a success notification.	4pt
ST-11	As an authorized customer, I can rate completed orders on a scale of 1 to 5 and provide optional comments.	5pt
ST-12	As an authorized customer, I can make bookings by providing the branch with location, date, time, and number of guests.	4pt
ST-13	As an authorized customer, I can delete bookings	2pt
ST-14	As an authorized customer, I can rate completed bookings on a scale of 1 to 5 and provide optional comments.	5pt
ST-15	As an authorized customer, admin or branch manager I can update my account details.	4pt
ST-16	As an authorized customer, or branch manager I can delete my account.	4pt
ST-17	As an authorized customer, I can search for menu items based on criteria like price and category.	8pt

ST-18	As an authorized admin or branch manager, I can add and edit menu, including name, description, and status.	8pt
ST-19	As an authorized admin or branch manager, I can delete menu.	3pt
ST-20	As an authorized admin or branch manager, I can create and edit individual menu item, including image URL, price, description, and name.	8pt
ST-21	As an authorized admin or branch manager, I can delete menu item.	3pt
ST-22	As an authorized admin or branch manager, I can view a list of all orders.	2pt
ST-23	As an authorized admin or branch manager, I can change order status.	2pt
ST-24	As an authorized admin or branch manager, I can cancel orders.	2pt
ST-25	As an authorized admin or branch manager, I can view a list of all bookings.	2pt
ST-26	As an authorized admin or branch manager, I can change booking status.	2pt
ST-27	As an authorized admin or branch manager, I can cancel bookings.	2pt
ST-28	As an authorized admin, I can view list of all users' accounts.	2pt
ST-29	As an authorized admin, I can edit and delete all users' accounts.	4pt

Table of Product / Works backlog

Table 1.3

Work items	User story	Iteration No.	Estimated work duration
1	ST-1 Register	Iteration 1	8pt (4 days)
2	ST-2 Login	Iteration 1	6pt (3 days)
3	ST-3 Logout	Iteration 1	6pt (3 days)
4	ST-4 Dynamic Discounts	Iteration 1	6pt (3 days)
5	ST-5 View Menu Items	Iteration 1	4pt (2 days)
6	ST-6 Add Items to Shopping Cart	Iteration 1	5pt (2.5 days)
7	ST-7 Delete Items from Shopping Cart	Iteration 1	2pt (1 day)
8	ST-8 View Cart Summary	Iteration 1	5pt (2.5 days)
9	ST-9 Edit Delivery Details	Iteration 1	6pt (3 days)
10	ST-10 Check out Order	Iteration 1	4pt (2 days)
11	ST-11 Rate Order	Iteration 1	5pt (2.5 days)
12	ST-12 Make Booking	Iteration 1	4pt (2 days)
13	ST-13 Delete Booking	Iteration 1	2pt (1 day)
14	ST-14 Rate Booking	Iteration 1	5pt (2.5 days)
15	ST-15 Update Account	Iteration 1	4pt (2 days)
16	ST-16 Delete Account	Iteration 1	4pt (2 days)
17	ST-17 Search for Menu by price and category	Iteration 1	8pt (4 days)

18	ST-18 Create and edit Menu	Iteration 1	8pt (4 days)
19	ST-19 Delete Menu	Iteration 1	3pt (1.5 day)
20	ST-20 Create and edit Menu Item	Iteration 1	8pt (4 days)
21	ST-21 Delete Menu Item	Iteration 1	3pt (1.5 day)
22	ST-22 view a list of all orders	Iteration 1	2pt (1 day)
23	ST-23 change order status	Iteration 1	2pt (1 day)
24	ST-24 Cancel orders	Iteration 1	2pt (1 day)
25	ST-25 view a list of all bookings	Iteration 1	2pt (1 day)
26	ST-26 change bookings statuses	Iteration 1	2pt (1 day)
27	ST-27 Cancel bookings	Iteration 1	2pt (1 day)
28	ST-28 View all users' accounts	Iteration 1	2pt (1 day)
29	ST-29 Edit and delete all users' accounts	Iteration 1	4pt (2 days)

Time and effort estimation (Project duration)

Time Velocity:

Our team can complete 2 points per day.

Total work size = \sum points-for-story i ($i = 1 \dots N$)

For our case

Project duration

$8+6+6+6+4+5+2+5+6+4+5+4+2+5+4+4+8+8+3+8+3+2+2+2+2+2+2+2+4 = 126$ points.

Project duration = path size / Travel velocity

Project duration = $124 / 2 = 62$ days

Use case diagram

Perfect Food Website Use Case Diagram

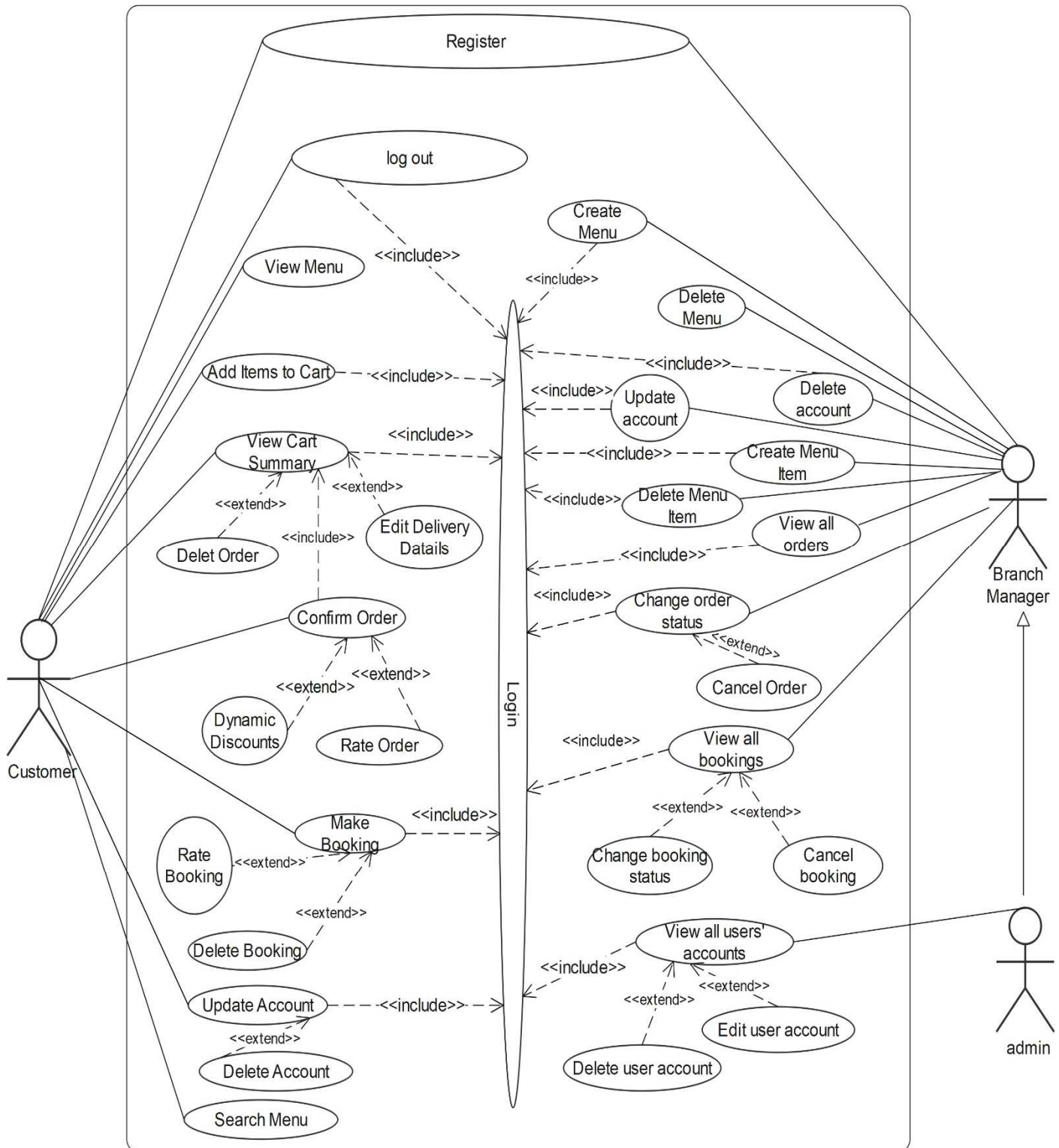


Figure 1.2

Perfect food actor's description

Table 1.4

Actor	Actor's Goal	Use case name
User	Create a new customer	Signup
Customer	Login to the site	Login
Customer	Log out of the site	Logout
Customer	View menu items	View Item
Customer	Add many items from menu to the cart	Add Items to Cart
Customer	View a summary of his cart items	Cart Summary
Customer	Delete items from shopping cart	Delete items
Customer	Edit delivery details for the current order	Edit Delivery Details
Customer	Confirm his order	Confirm Order
Customer	Rate completed orders	Rate Orders
Customer	Receive discounts based on his total order price	Dynamic Discounts
Customer	Booking a table online	Make a Booking
Customer	Delete booking	Delete a Booking
Customer	Rate completed Bookings	Rate Bookings
Customer	Changes the data on his account he created before	Account Management
Customer	Search for menu items	Search Menu
Admin and Branch Manager	Create and edit individual menu items	Create Menu Item
	View a list of all orders	All Orders
	change orders statuses	Change Order Status
	cancel orders	Cancel Orders
	view a list of all bookings	All Bookings
	change bookings statuses	Change Booking Status
	cancel bookings	Cancel Bookings
Admin	View list of all users and edit their accounts	All Users

Use case Description

Table 1.5

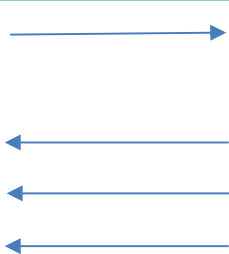

Use case 1-(uc-1)	
Related Requirements	REQ-1, REQ-2, REQ-3
Initiating Actor:	Users
Actor's Goal:	Create a new user and validate his/her account.
Participating Actors	
Preconditions:	<ul style="list-style-type: none"> -The system has functions of register, login and log out for a user. -The system database contains all the data about the user
Post conditions:	<ul style="list-style-type: none"> -The system will check the validity of data for the user. -The system will save the customer data in the database.
Flow of Events for main success scenario:	
	<p>1-the customer will enter his personal data required for registration or login</p> <p>2-the system will check if the data is valid or not.</p> <p>3-if the data is valid the system will show message” created successfully”</p> <p>4-the system will save the data in the database.</p>
Flow of Events for Extensions (Alternate scenarios):	
	<p>1-The entered data is incorrect.</p> <p style="padding-left: 20px;">-System will send message “Email or password is invalid”</p> <p>2-the data is invalid.</p> <p style="padding-left: 20px;">-System will send message “Email or password is invalid”</p>

Table 1.6

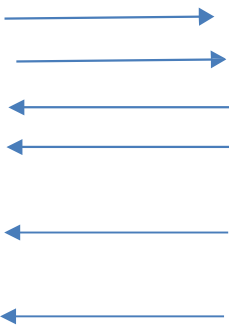

Use case 2-(uc-2)	
Related Requirements	REQ-4, REQ-6, REQ-8, REQ-9
Initiating Actor:	Customer
Actor's Goal:	Applying Tiered Discounts Based on Total Order Price
Participating Actors	
Preconditions:	<p>The customer has items in his/her shopping cart.</p> <p>The system presents the user with their shopping cart contents and prompts them to proceed to checkout.</p> <p>The system has a predefined tiered discount system based on total order price.</p>
Post conditions:	<p>The customer has completed the transaction.</p> <p>The system has updated the order status and sent confirmation to the user.</p>
Flow of Events for main success scenario:	
	<p>1-The customer has added items to the shopping cart.</p> <p>2-The customer proceeds to checkout.</p> <p>3-The system sends this message “Order successfully placed”</p> <p>4-The system calculates the total orders’ prices based on the items in the user's shopping cart.</p> <p>5-The system evaluates the total order price against predefined tiers in the discount system.</p> <p>6-If the total order price falls within a specified tier:</p> <ul style="list-style-type: none"> -The system applies the corresponding discount to the user's order. -The discounted amount is subtracted from the total order price. -The customer is informed about the discount applied and the new total order price.
Flow of Events for Extensions (Alternate scenarios):	
	<p>4-If the total order price does not fall within any tier:</p> <ul style="list-style-type: none"> -The system does not apply any discount. -The customer is informed that no discount is applicable to their order.

Table 1.7

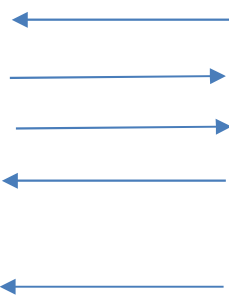

Use case 3-(uc-3)	
Related Requirements	REQ-5 and REQ-17
Initiating Actor:	customer
Actor's Goal:	Accessing and Viewing Menus
Participating Actors	
Preconditions:	The system has menus stored in its database.
Post conditions:	The user has viewed the menu and its contents. The system retains the user's session and any preferences they may have set during the menu viewing process.
Flow of Events for main success scenario:	
	1-The system presents the user with the main menu or homepage. 2-The user navigates to the section where menus are displayed. 3-The user selects a specific menu they want to view. 4-The system displays the selected menu, including categories, items, descriptions, and prices. 5- The system provides filtering or search options based on criteria like price and category to help the user find specific items within the menu.
Flow of Events for Extensions (Alternate scenarios):	
	5-If the user enters a price that does not exist in the search field. -The system will send this message” No items found within the selected price range and menu.”

Table 1.8

Use case 4-(uc-4)	
Related Requirements	REQ-7
Initiating Actor:	customer
Actor's Goal:	Deleting Items from the cart
Participating Actors	
Preconditions:	<p>The customer is logged into their account.</p> <p>The customer has items saved in their account that are available for deletion.</p>
Post conditions:	<p>The selected item(s) have been removed from the user's account.</p> <p>The system updates the user interface to reflect the changes in the item list</p>
Flow of Events for main success scenario:	
<pre> sequenceDiagram actor Customer Customer->>1-The customer navigates to the cart shopping where items are listed for deletion. 1-The customer navigates to the cart shopping where items are listed for deletion.->>2-The system retrieves the list of items available for deletion. 2-The system retrieves the list of items available for deletion.->>3-The customer selects the item(s) they wish to delete. 3-The customer selects the item(s) they wish to delete.->>5-The customer clicks on the delete button. 5-The customer clicks on the delete button.->>6-The system will send this message 'Item removed from cart' 6-The system will send this message 'Item removed from cart'->>End </pre>	
Flow of Events for Extensions (Alternate scenarios):	
<pre> sequenceDiagram actor Customer Customer->>2-The order does not exist. 2-The order does not exist.->>5-The order is already deleted. 5-The order is already deleted.->>-The system prevents the user from deleting and doesn't display any item to delete. -The system prevents the user from deleting and doesn't display any item to delete.->>End </pre>	

Table 1.9

Use case 5-(uc-5)	
Related Requirements	REQ-10
Initiating Actor:	customer
Actor's Goal:	Edit Delivery Details for Current Order
Participating Actors	
Preconditions:	<p>The customer must be authenticated and logged into their account.</p> <p>The customer must have an existing order in progress.</p> <p>The order must not have been dispatched or delivered.</p> <p>The user must have appropriate permissions to edit delivery details.</p>
Post conditions:	<p>The delivery details for the current order are successfully updated in the system.</p> <p>The customer receives a confirmation message indicating that the changes have been saved.</p>
Flow of Events for main success scenario:	
→	1- The customer has navigated to the section displaying his current orders.
→	2- The customer selects the specific order for which he wants to edit the delivery details.
→	3-The customer clicks on the "cart" button associated with the selected order.
←	4-The system presents the user with a form or interface to edit the delivery details.
→	5- The customer makes the necessary changes such as address, name or telephone.
←	6- The system validates the edited information.
→	7- Once the information is validated, the customer confirms the changes.
←	8- The system displays a confirmation message to the user, indicating that the delivery details have been updated.
Flow of Events for Extensions (Alternate scenarios):	




	2-If the order that has already been dispatched or delivered. -The system should display an error message indicating that modifications are not permitted at this stage.
	5-If the customer lacks the necessary permissions to edit delivery details. -The system should prompt the user to contact an administrator
	6-If the customer cancels the edit operation midway. -The system should revert any unsaved changes and return to the previous state.

Table 1.10

Use case 6-(uc-6)	
Related Requirements	REQ-11
Initiating Actor:	customer
Actor's Goal:	Rate Completed Orders
Participating Actors	
Preconditions:	<p>The order must be in a completed state.</p> <p>The customer must have permission to rate orders.</p>
Post conditions:	<p>-The customer's rating and optional comments for the completed order are successfully submitted and stored in the system.</p> <p>-The overall rating and comments used to calculate aggregate ratings or generate feedback reports.</p>
Flow of Events for main success scenario:	
→	1-The customer selects the specific completed order they want to rate.
→	2- The customer finds and clicks on the "Rate Order" associated with the completed order.
←	3- The system presents the user with a rating interface, typically a scale from 1 to 5.
←	4- The rating interface includes an optional comments section.
→	5- The customer selects the appropriate rating based on their satisfaction level with the order.
→	6- If desired, the customer enters additional comments to provide feedback regarding their rating.
→	7-The customer submits his feedback through the platform's interface by clicking the submit button.
←	8-The system sends a message informing the customer that the evaluation has been done successfully
Flow of Events for Extensions (Alternate scenarios):	
←	<p>1-The order is not completed and does not belong to the customer.</p> <p>- The system prevents the customer from rating.</p>
←	<p>2-The order has already been rated.</p> <p>-The system prevents the customer from rating.</p>

Table 1.11

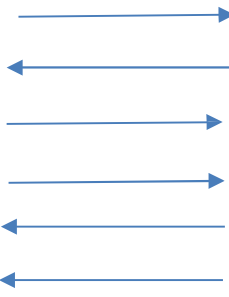

Use case 7-(uc-7)	
Related Requirements	REQ-12
Initiating Actor:	customer
Actor's Goal:	Make a booking
Participating Actors	
Preconditions:	<ul style="list-style-type: none"> - Customer is registered and logged into the system. -The system must have branches with available booking slots. -The customer must provide valid information such as location, date, time, and number of guests for the booking.
Post conditions:	<ul style="list-style-type: none"> -The system successfully processes the user's request for booking. -The booking is confirmed and saved in the system database. -The system sends a confirmation message to the user with booking details.
Flow of Events for main success scenario:	
	<ol style="list-style-type: none"> 1-The customer clicks on booking button in navbar. 2- The system presents the user with Book a Table interface. 3-The customer selects the branch, the date, the time and the guests. 4-The customer clicks on the submit button to confirm the booking. 5-The system saves booking details in the database. 6-The system will send this message” Booking successful”
Flow of Events for Extensions (Alternate scenarios):	
	<ol style="list-style-type: none"> 3-Invalid Input: If the customer provides invalid information (e.g., invalid date format, non-existent branch location). <ul style="list-style-type: none"> -The system should prompt the user to correct the input.

Table 1.12

Use case 8-(uc-8)	
Related Requirements	REQ-13
Initiating Actor:	Customer
Actor's Goal:	Delete a Booking
Participating Actors	
Preconditions:	-User must be authenticated and authorized to perform the delete booking action. -The booking to be deleted must exist in the system
Post conditions:	-The selected booking is successfully deleted from the system. -The user receives confirmation of the successful deletion action.
Flow of Events for main success scenario:	
→	1-User clicks on customer dropdown in the navbar then select My Bookings element.
←	2-The system presents the user with Bookings table interface.
→	3-User selects the specific booking he/she wishes to delete then clicks on the delete button.
←	4-System displays a warning message asks him/her “Are you sure you want to delete this booking?”
→	5-User confirms the deletion request by clicking OK button.
←	6-System removes the booking from the database.
←	7-System displays a confirmation message indicating the successful deletion of the booking.
Flow of Events for Extensions (Alternate scenarios):	
←	2-If the user does not have permission to delete bookings and That happens because the period specified for deleting the reservation has expired: -The system will prevent the user from deleting the reservation by hiding the delete button in front of the item
←	5- If the user cancels the deletion request: -The system returns to the list of bookings without deleting anything.

Table 1.13

Use case 9-(uc-9)	
Related Requirements	REQ-14
Initiating Actor:	customer
Actor's Goal:	Rate Completed Bookings
Participating Actors	
Preconditions:	<p>The booking must be in a completed state.</p> <p>The customer must have permission to rate bookings.</p>
Post conditions:	<p>-The customer's rating and optional comments for the completed booking are successfully submitted and stored in the system.</p> <p>-The overall rating and comments used to calculate aggregate ratings or generate feedback reports.</p>
Flow of Events for main success scenario:	
→	1-The customer selects the specific completed booking they want to rate.
→	2- The customer finds and clicks on the "Rate Booking" associated with the completed order.
←	3- The system presents the user with a rating interface, typically a scale from 1 to 5.
←	4- The rating interface includes an optional comments section.
→	5- The customer selects the appropriate rating based on their satisfaction level with the booking.
→	6- If desired, the customer enters additional comments to provide feedback regarding their rating.
→	7-The customer submits his feedback through the platform's interface by clicking the submit button.
←	8-The system sends a message informing the customer that the evaluation has been done successfully
Flow of Events for Extensions (Alternate scenarios):	
←	<p>1-The booking is not completed and does not belong to the customer.</p> <p>- The system prevents the customer from rating.</p>
←	<p>2-The booking has already been rated.</p> <p>-The system prevents the customer from rating.</p>

Table 1.14**Use case 10-(uc-10)**

Related Requirements	REQ-15
Initiating Actor:	users
Actor's Goal:	Update and Account Details
Participating Actors	
Preconditions:	User must be authenticated and logged into the system. User must have an existing account within the system.
Post conditions:	-User's account details are successfully updated in the system.
Flow of Events for main success scenario:	
→	1-User clicks on customer, admin or branch manager drop down list in the navbar.
→	2-User selects the Account option to update account details.
←	3-System presents a form or interface displaying the current account details.
→	4-User modifies the desired fields such as password, name, address, and contact numbers.
→	5-User confirms the changes and saves the updated information.
←	6-System validates the changes and updates the account details accordingly.
←	7-System displays a success message confirming the changes have been saved
Flow of Events for Extensions (Alternate scenarios):	
←	5-Invalid Input: If the user provides invalid input or misses required fields. -The system prompts the user to correct the errors and resubmit.
←	6.a- Error in Validation: If the system encounters errors while validating the changes. -It informs the user of the issue and prompts for corrections.
←	6.b- Conflict in Data: If the user attempts to change his email or username to one that is already in use. -The system notifies the user of the conflict and prompts for a different choice.

Table 1.15

Use case 11-(uc-11)	
Related Requirements	REQ-16
Initiating Actor:	Customer and branch manager
Actor's Goal:	Delete Account
Participating Actors	
Preconditions:	<p>The customer must have an existing account in the system.</p> <p>The customer must initiate the request for deleting their account.</p>
Post conditions:	<p>The customer account and all associated data are permanently removed from the system.</p> <p>The customer receives confirmation of the account deletion.</p>
Flow of Events for main success scenario:	
→	1-User clicks on customer, admin or branch manager drop down list in the navbar.
→	2-User selects the Account option.
←	3-System presents a form or interface displaying the current account details.
→	4- User clicks on delete button to delete his account.
←	5- The system sends warning message” Are you sure you want to delete your account?”
→	6-User confirms the deletion by clicking on the OK button.
←	7-System displays a success message confirming the changes have been deleted.
Flow of Events for Extensions (Alternate scenarios):	
←	<p>6-If the customer decides to cancel the account deletion request at any point during the process.</p> <ul style="list-style-type: none"> -The system halts the deletion process and informs the customer accordingly. -The account remains active, and no data is deleted.

Table 1.16

Use case 12-(uc-12)	
Related Requirements	REQ-18
Initiating Actor:	Admin
Actor's Goal:	Admin Menu Management (create and edit)
Participating Actors	
Preconditions:	The admin is authenticated and has appropriate permissions to access the menu management system. The system is operational and accessible.
Post conditions:	The system updates the menu database with any changes made by the admin. Newly created menus are available for use within the system. Changes to menu status are reflected in the system and affect menu availability accordingly.
Flow of Events for main success scenario:	
→	1- The admin logs into the system and navigates to the menu management section.
←	2- The system displays a list of existing menus along with options to edit or create new menus.
→	3-The admin selects the option to create a new menu.
←	4-The system prompts the admin to input the name, description, and status for the new menu.
→	5-The admin fills in the required details.
→	6-The admin submits the information to the system.
→	7-The admin selects an existing menu from the list.
←	8-The system displays the details of the selected menu, including its name, description, and status.
→	9-The admin modifies the necessary fields (name, description, or status).
→	10-The admin saves the changes.
Flow of Events for Extensions (Alternate scenarios):	
→	If the admin submits incomplete or invalid information when creating or editing a menu.
←	-The system displays an error message.
→	At any step during menu creation or editing, the admin may choose to cancel the operation.
←	-The system discards any unsaved changes and returns the admin to the menu management interface.

Table 1.17

Use case 13-(uc-13)	
Related Requirements	REQ-19, REQ21
Initiating Actor:	Admin
Actor's Goal:	Delete Menu or Menu Item
Participating Actors	Branch Manager
Preconditions:	The user must be logged in as an Admin or Branch Manager. The user must have the appropriate permissions to delete menus.
Post conditions:	The deleted menu or menu item is removed from the system and is no longer accessible to users.
Flow of Events for main success scenario:	
→	1-The Admin or Branch Manager navigates to the menu management section of the system.
→	2-The Admin or Branch Manager selects the menu or menu item they wish to delete.
→	3-The Admin or Branch Manager initiates the deletion process by selecting the "Delete" option.
←	4-The system prompts the Admin or Branch Manager to confirm the deletion action, ensuring that it is intentional.
→	5-The Admin or Branch Manager confirms the deletion action.
←	6-The system permanently removes the selected menu or menu item from the database.
←	7-A notification is displayed to the Admin or Branch Manager confirming the successful deletion of the menu.
Flow of Events for Extensions (Alternate scenarios):	
→	4-If the Admin or Branch Manager chooses to cancel the deletion action at any point before confirming,
←	-The system aborts the deletion process and returns to the menu management screen.
→	3-In the event of a system error or technical issue during the deletion process,
←	-The system displays an error message informing the user of the issue and advises them to try again later.

Table 1.18

Use case 14-(uc-14)	
Related Requirements	REQ-20
Initiating Actor:	Admin
Actor's Goal:	Creating and Editing Menu Items
Participating Actors	Branch Manager
Preconditions :	The Admin or Branch Manager is logged into the system. The user has appropriate permissions to create or edit menu items.
Post conditions:	The new menu item is added to the system's menu list. The edited menu item reflects the changes made by the user. Users can view and interact with the updated menu items accordingly.
Flow of Events for main success scenario:	
→	1-The Admin or Branch Manager navigates to the menu management section within the system.
→	2-They select the option to add a new menu item.
←	3-The system presents a form with fields for name, price, description, and image URL.
→	4- The Admin or Branch Manager fills in the required information
→	5- The Admin or Branch Manager submits the form.
←	6-The system validates the input data and saves the new menu item to the database.
←	7-A confirmation message is displayed to the user indicating successful creation.
Flow of Events for Extensions (Alternate scenarios):	
→	5-If the admin or branch manager attempts to create a menu item that exists before,
←	-The system shows an error message informs user that item already exists.
→	4-If the admin or branch manager submits incomplete or invalid information when creating or editing a menu item.
←	-The system displays an error message.

Table 1.19

Use case 15-(uc-15)	
Related Requirements	REQ-22, REQ-23, REQ-24, REQ-25, REQ-26, REQ-27
Initiating Actor:	Admin
Actor's Goal:	Viewing and Managing All Orders and All Bookings Statuses
Participating Actors	Branch Manager
Preconditions:	<ul style="list-style-type: none"> -The Admin and Branch Manager must be authenticated and authorized to access order and booking management functionalities. -Orders and Bookings must exist within the system.
Post conditions:	<ul style="list-style-type: none"> -The status of the selected orders or bookings are updated within the system. -Any relevant stakeholders are notified of the status changes if configured.
Flow of Events for main success scenario:	
→	1-The Admin or Branch Manager selects the "All Orders" or "All Bookings" option in the navbar.
←	2-The system displays a list of all orders or all bookings along with their current statuses.
→	3-The Admin or Branch Manager has the option to change the status of the order or booking.
→	4-The Admin or Branch Manager selects the desired status update from a predefined list of statuses (e.g., "Pending", "Mark as in Progress", "Mark as Completed", "Mark as Cancelled").
←	5-The system updates the status of the order or the booking accordingly and notifies relevant stakeholders if configured to do so.
Flow of Events for Extensions (Alternate scenarios):	
→	4-If the Admin or Branch Manager encounters an error while updating the order status (e.g., invalid status selection, system error),
←	-An appropriate error message is displayed, and the user is prompted to retry or contact support.

Table 1.20

Use case 16-(uc-16)	
Related Requirements	REQ-28, REQ-29
Initiating Actor:	Admin
Actor's Goal:	Editing, and Deleting User Accounts
Participating Actors	
Preconditions:	-The admin has appropriate permissions to edit, and delete user accounts.
Post conditions:	<ul style="list-style-type: none"> - The list of all user accounts is updated with any changes made. - Any relevant stakeholders are notified of the account changes if configured.
Flow of Events for main success scenario:	
	<p>1- The Admin selects the "User Accounts" option in the navbar.</p> <p>2- The system displays a list of all user accounts along with their details.</p> <p>3- The Admin has the option to view, edit, or delete a user account. To Edit: The Admin selects a user account to edit and modifies the necessary details (e.g., user role, contact information). To Delete: The Admin selects a user account to delete and confirms the deletion.</p> <p>4- The system updates the user account information or removes the user account from the list accordingly</p>
Flow of Events for Extensions (Alternate scenarios):	
	<p>4- If the Admin encounters an error while editing or deleting a user account (e.g., invalid input, system error), -An appropriate error message is displayed, and the user is prompted to retry .</p>

Traceability Matrix
Table 1.21

requirements	Pw	Uc-1	Uc-2	Uc-3	Uc-4	Uc-5	Uc-6	Uc-7	Uc-8	Uc-9	Uc-10	Uc-11	Uc-12	Uc-13	Uc-14	Uc-15	Uc-16
Req 1	5	X															
Req 2	5	X															
Req 3	5	X															
Req 4	4		X														
Req 5	5			X													
Req 6	5		X														
Req 7	4				X												
Req 8	5		X														
Req 9	5		X														
Req 10	3					X											
Req 11	3						X										
Req 12	4							X									
Req 13	3								X								
Req 14	3									X							
Req 15	5										X						
Req 16	4											X					
Req 17	3			X													
Req 18	4												X				
Req 19	3													X			
Req 20	4														X		
Req 21	3													X			
Req 22	4															X	
Req 23	5															X	
Req 24	4															X	
Req 25	4															X	
Req 26	5															X	
Req 27	4															X	
Req 28	4																X
Req 29	4																X
Max Pw		5	5	5	4	3	3	4	3	3	5	4	4	3	4	5	4
Total Pw		15	19	8	4	3	3	4	3	3	5	4	4	6	4	26	8

According To Traceability Matrix
Table 1.22

Use case	Max Pw	Total Pw	Order of Implementation
Uc_1	5	15	3
Uc_2	5	19	2
Uc_3	5	8	4
Uc_4	4	4	8
Uc_5	3	3	13
Uc_6	3	3	14
Uc_7	4	4	9
Uc_8	3	3	15
Uc_9	3	3	16
Uc_10	5	5	7
Uc_11	4	4	10
Uc_12	4	4	11
Uc_13	3	6	6
Uc_14	4	4	12
Uc_15	5	26	1
Uc_16	4	8	5

Activity Diagrams

Activity Diagram for Perfect Food Website

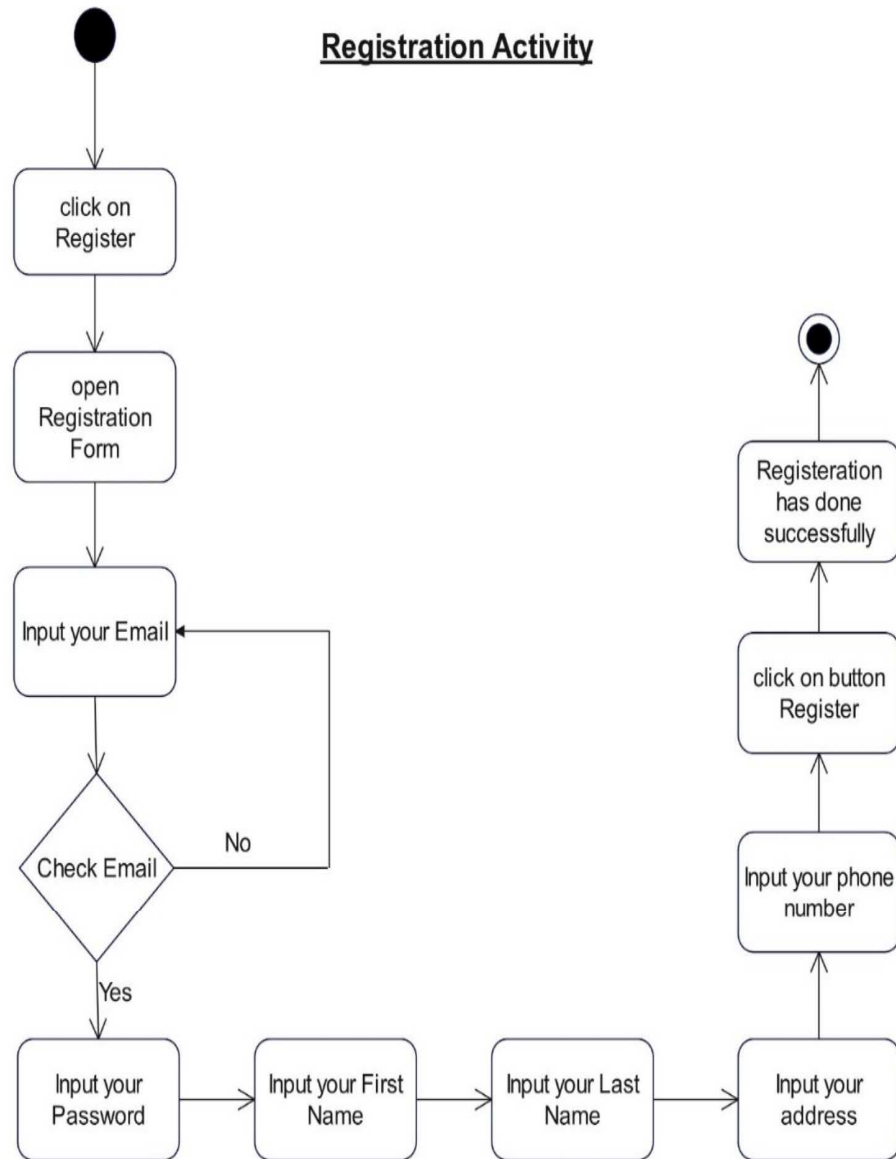


Figure 1.3

Activity Diagram for Perfect Food Website

Login Activity

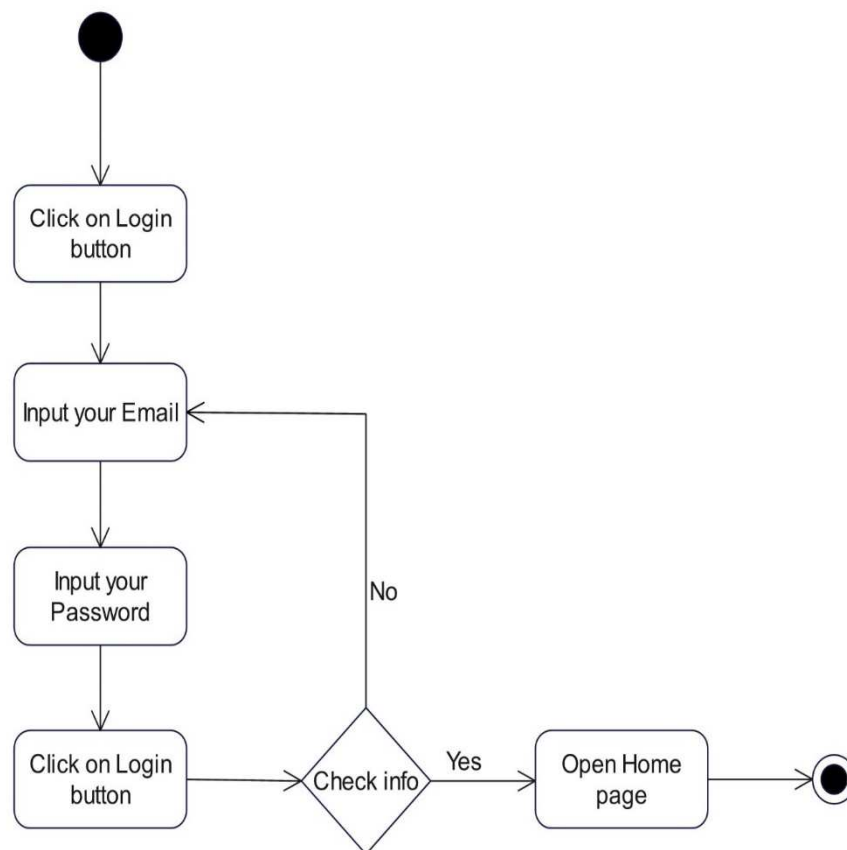


Figure 1.4

Activity Diagram for Perfect Food Website

Logout Activity

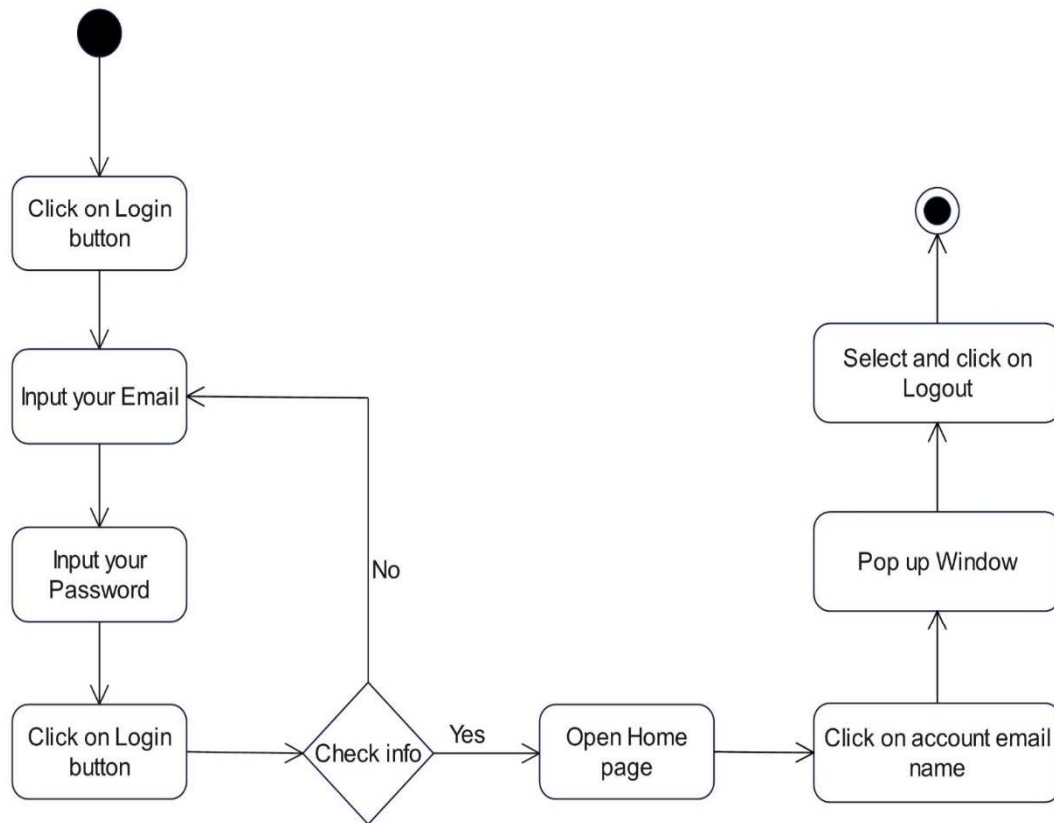


Figure 1.5

Activity Diagram for Perfect Food Website

Table Booking

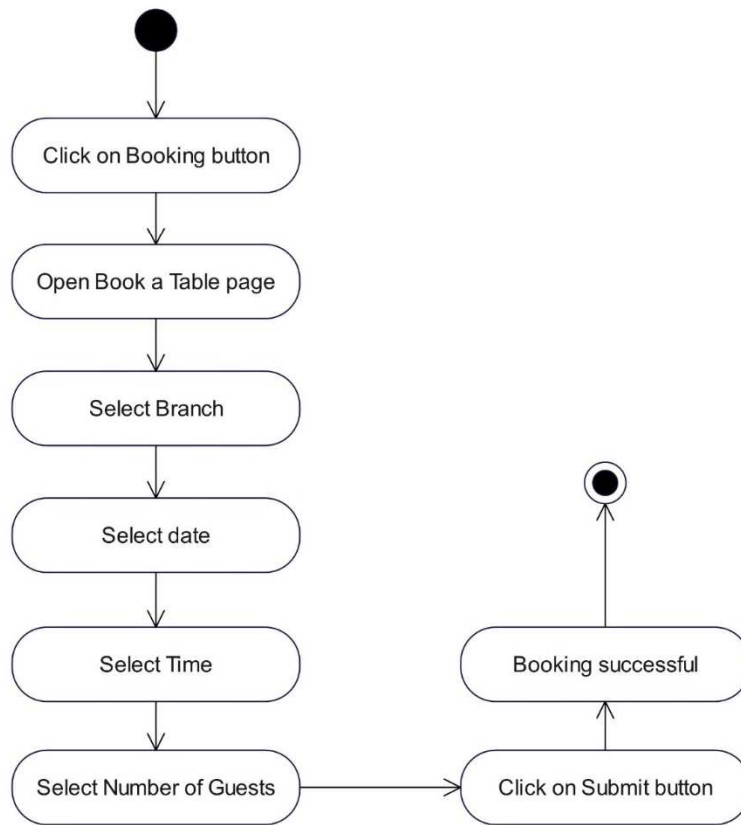


Figure 1.6

Activity Diagram for Perfect Food Website

delete Order

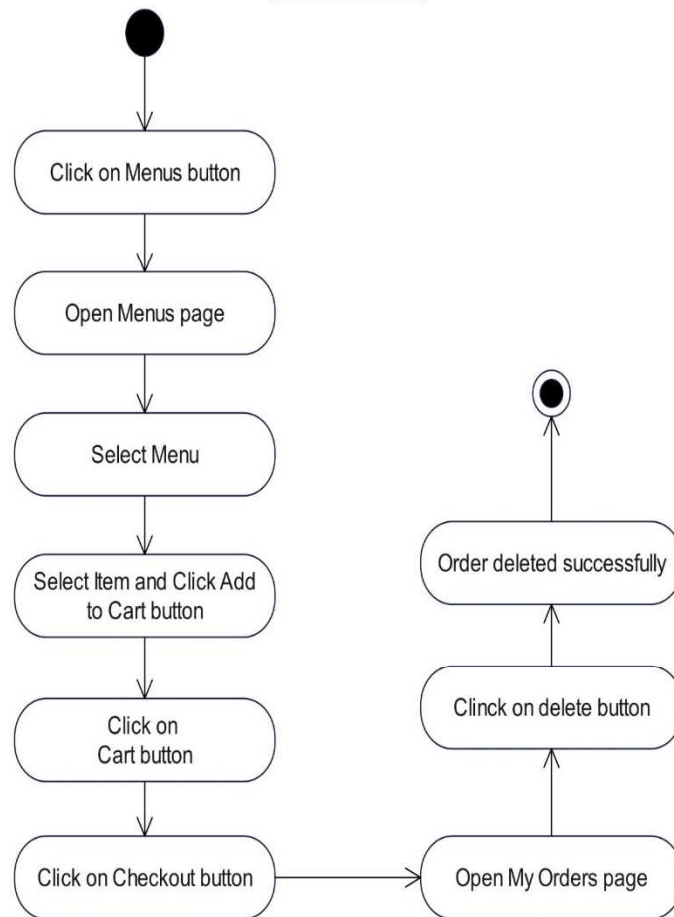


Figure 1.7

Activity Diagram for Perfect Food Website

Place Order

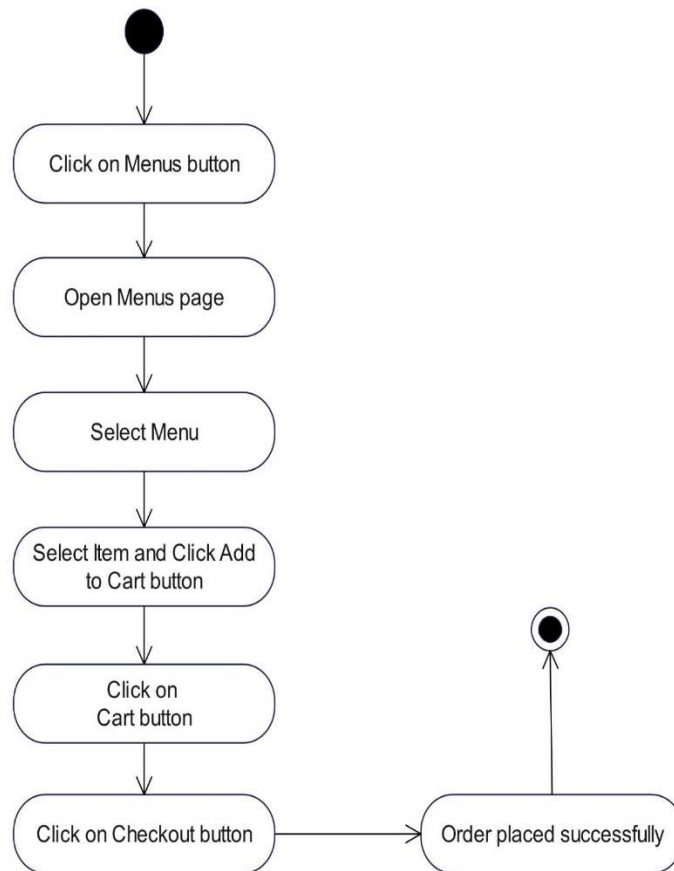


Figure 1.8

Activity Diagram for Perfect Food Website

DeleteTable Booking

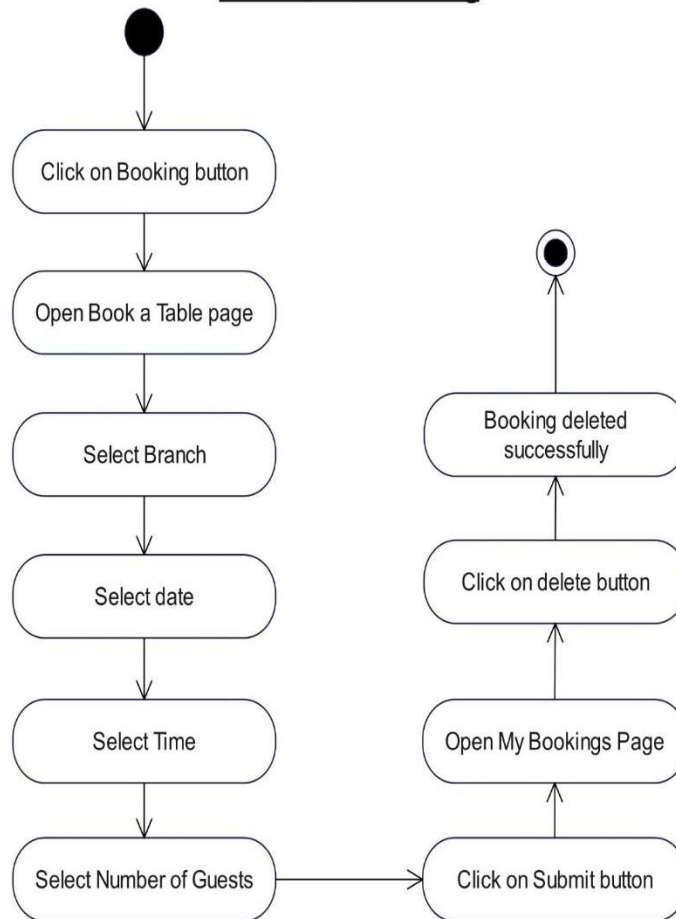


Figure 1.9

Activity Diagram for Perfect Food Website

View Menu

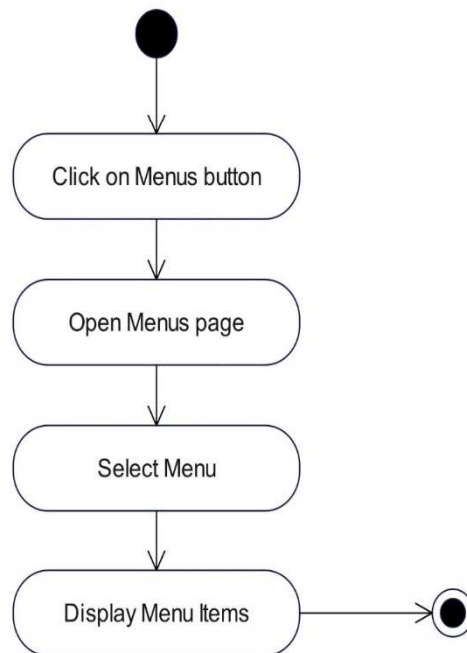


Figure 1.10

Activity Diagram for Perfect Food Website
Search Menu Items by minimum and maximum price

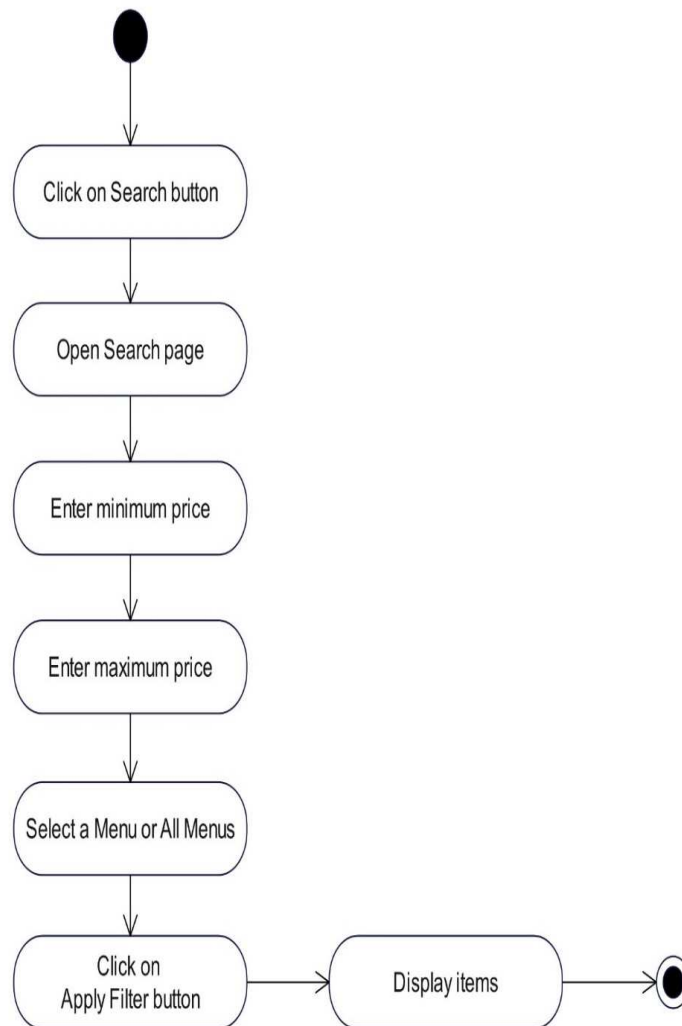


Figure 1.11

Sequence Diagram for Perfect Food Website

Registration Sequence Diagram

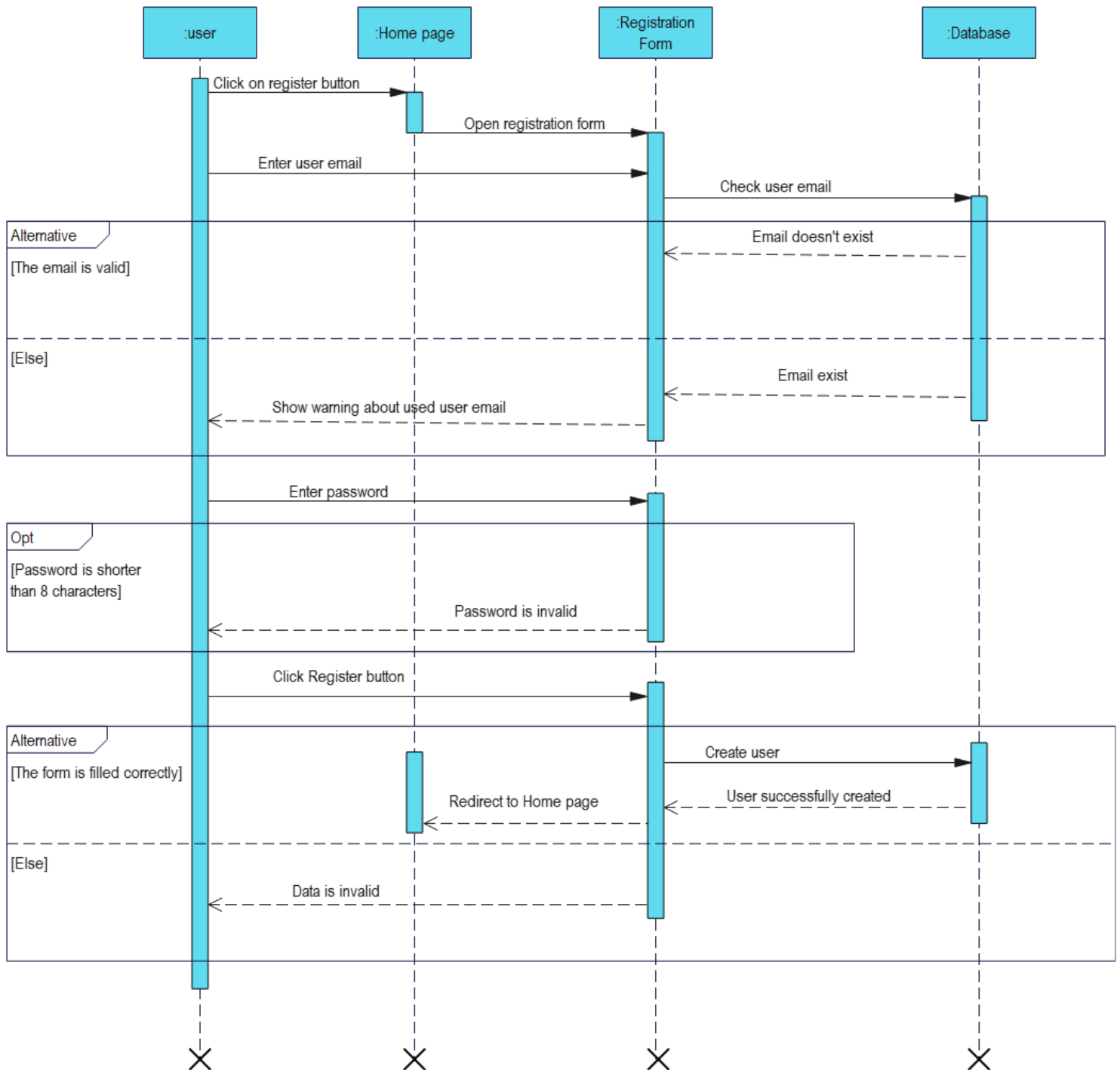


Figure 1.12

Login Sequence Diagram

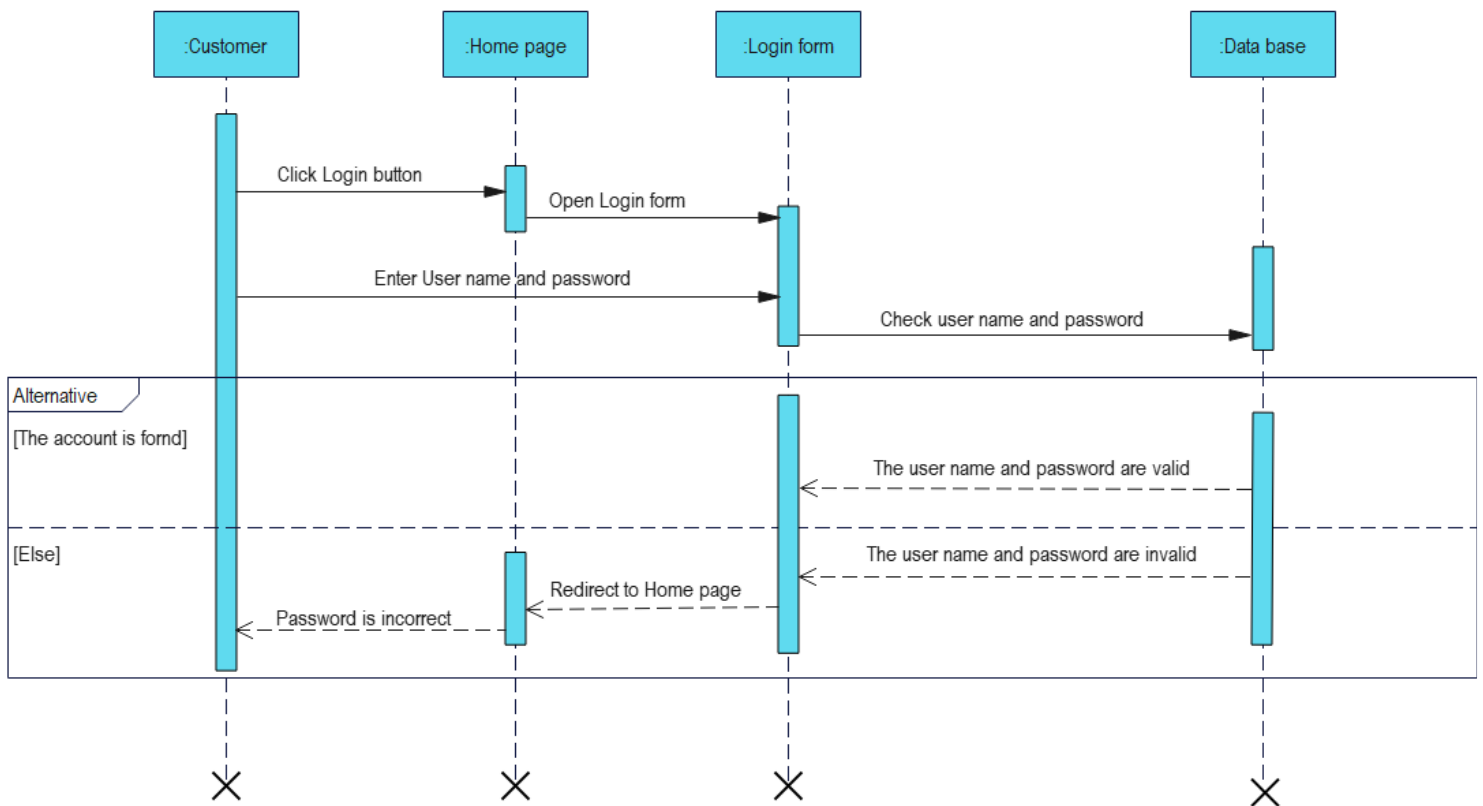


Figure 1.13

Booking Sequence Diagram

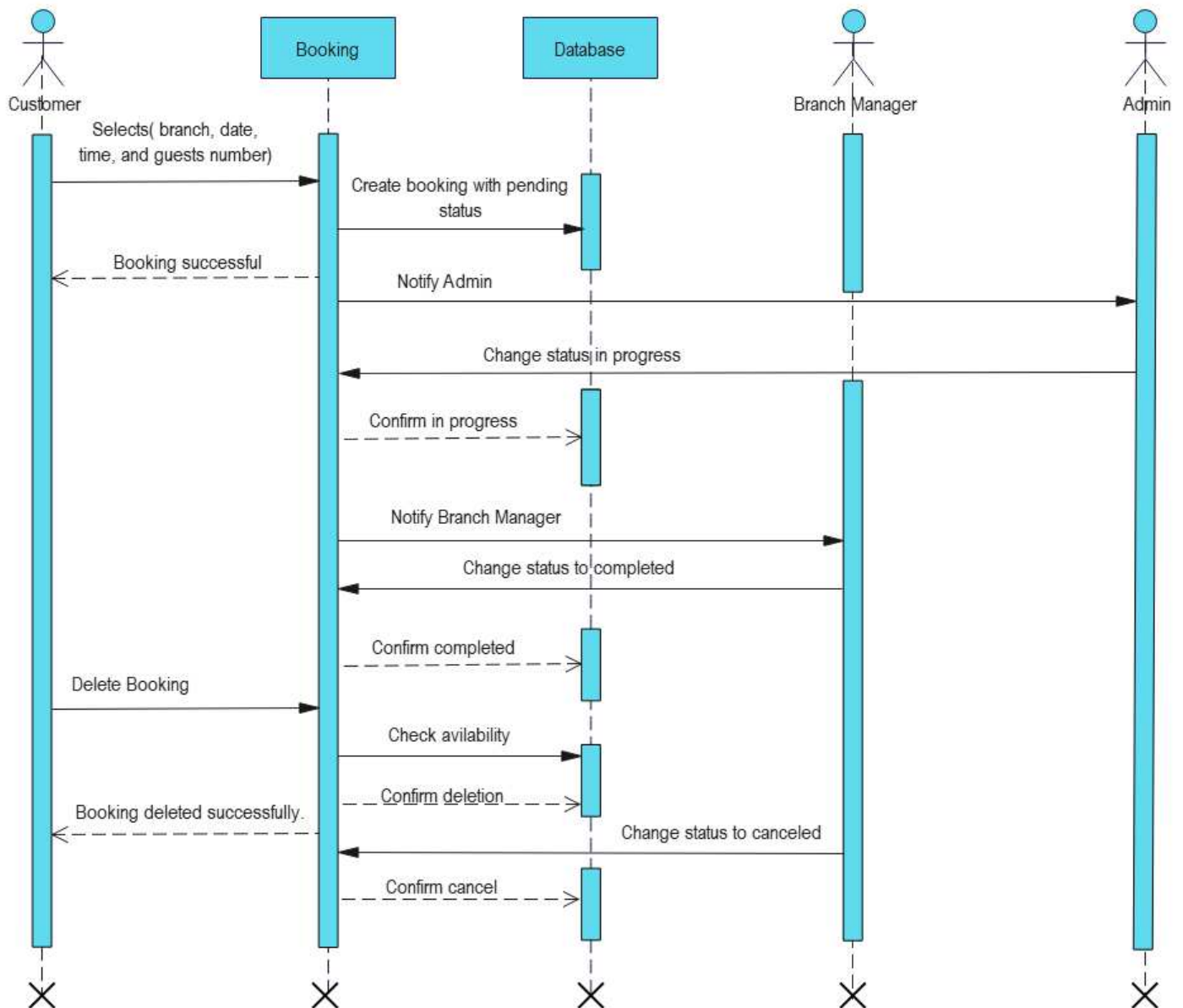


Figure 1.14

Order Sequence Diagram

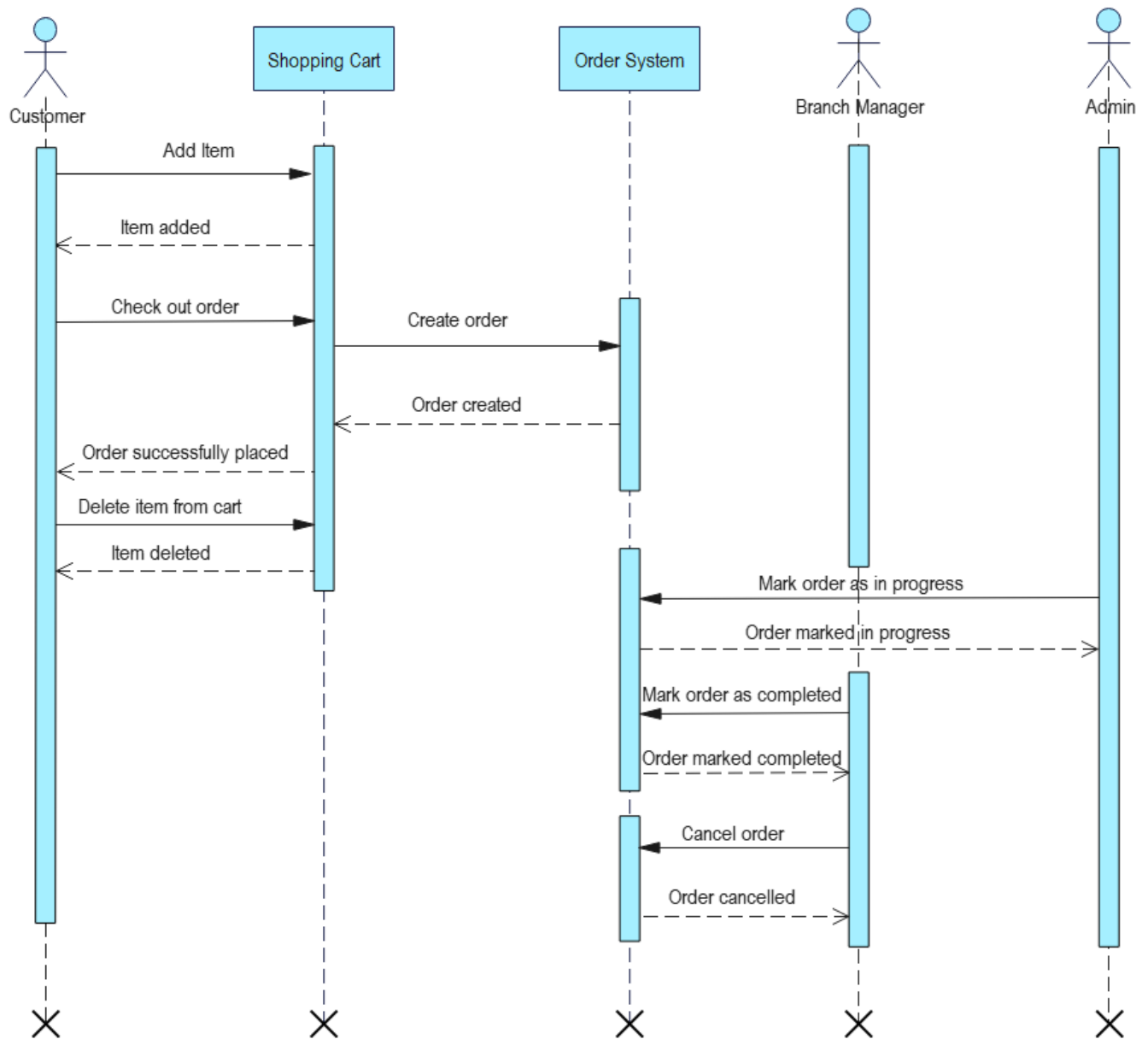


Figure 1.15

Non-Functional Requirements

- **Performance Requirements: -**

- The system must be able to respond quickly to the commands and functions performed by the user.

- **System Requirements: -**

- Providing the site with the feature of printing or issuing a report on Statistics and Analytics: Usage data shall be collected and analyzed to assist restaurant administrators in understanding customer performance and providing appropriate support.
 - Communication Support: The website should provide effective means of communication between restaurant branches, and customers including email, chat and forums. and a report must be issued for each separate process.
 - This site is used on all computers and operating systems.
- **Usability Requirements: -**
 - The design of the interfaces and icons of the site should be simple and easy to use so that the user can interact with the site and learn to use it from the first time.

- **Availability Requirements: -**

- The site accommodates 1000 users at the same time.

- **Security Requirements: -**

- The site must have the feature of keeping customer data and not sharing it with parties that do not have the right to use it or even steal it from the site.

Class Diagram

Class Diagram for PerfectFood Website

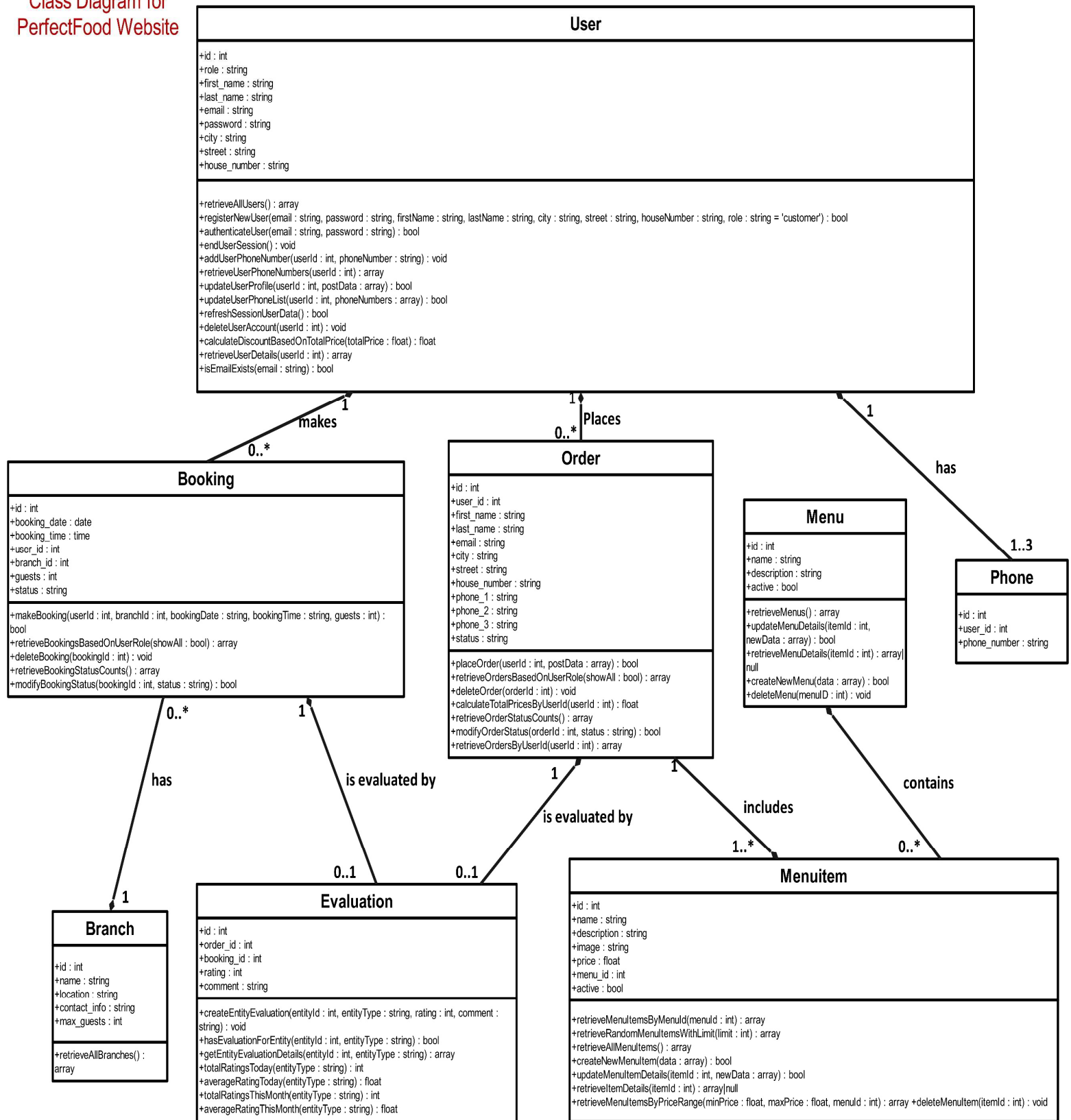


Figure 1.17

Perfect Food Website Enhanced Entity Relationship

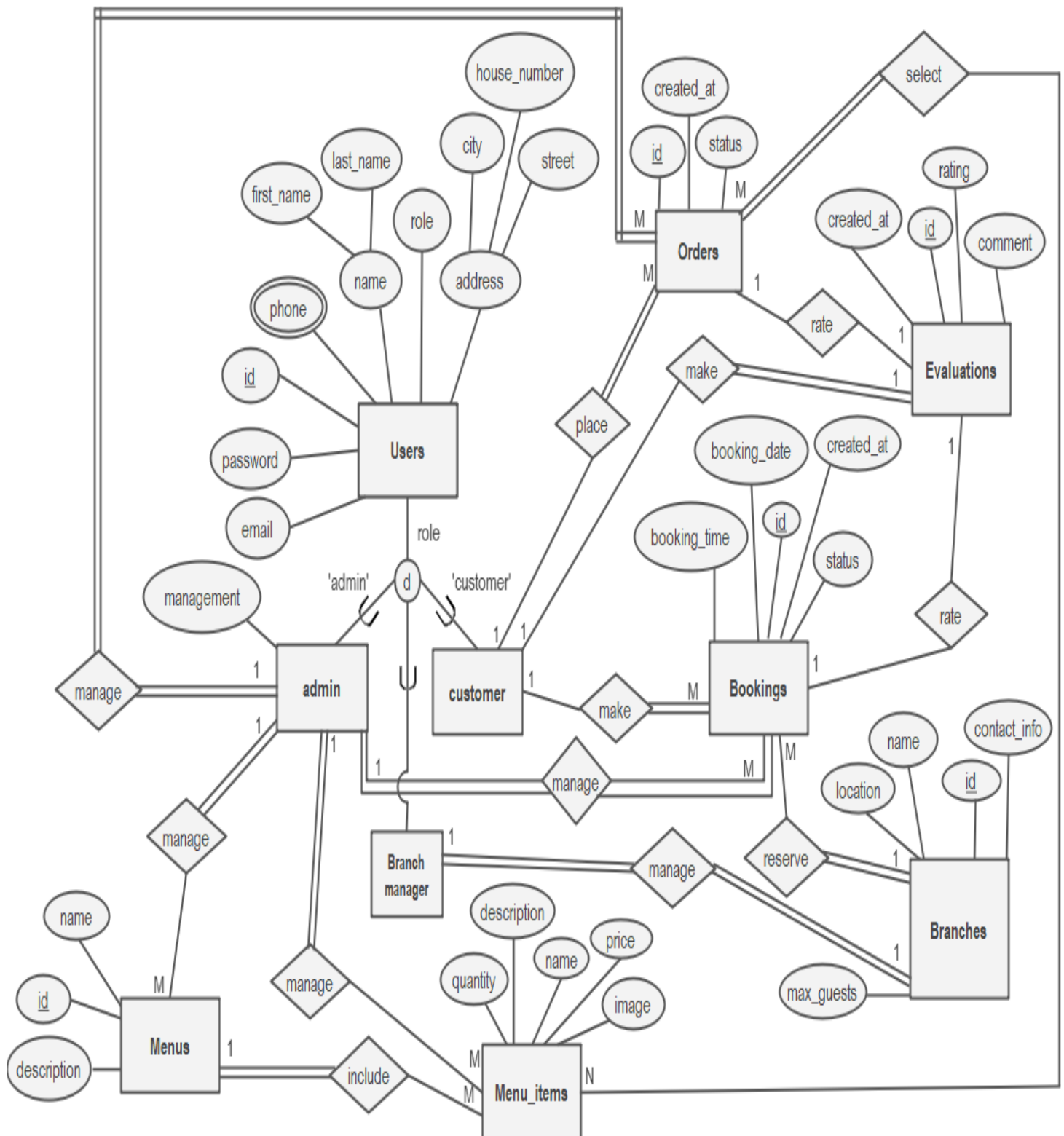


Figure 1.18

ER-to-Relational Mapping Algorithm

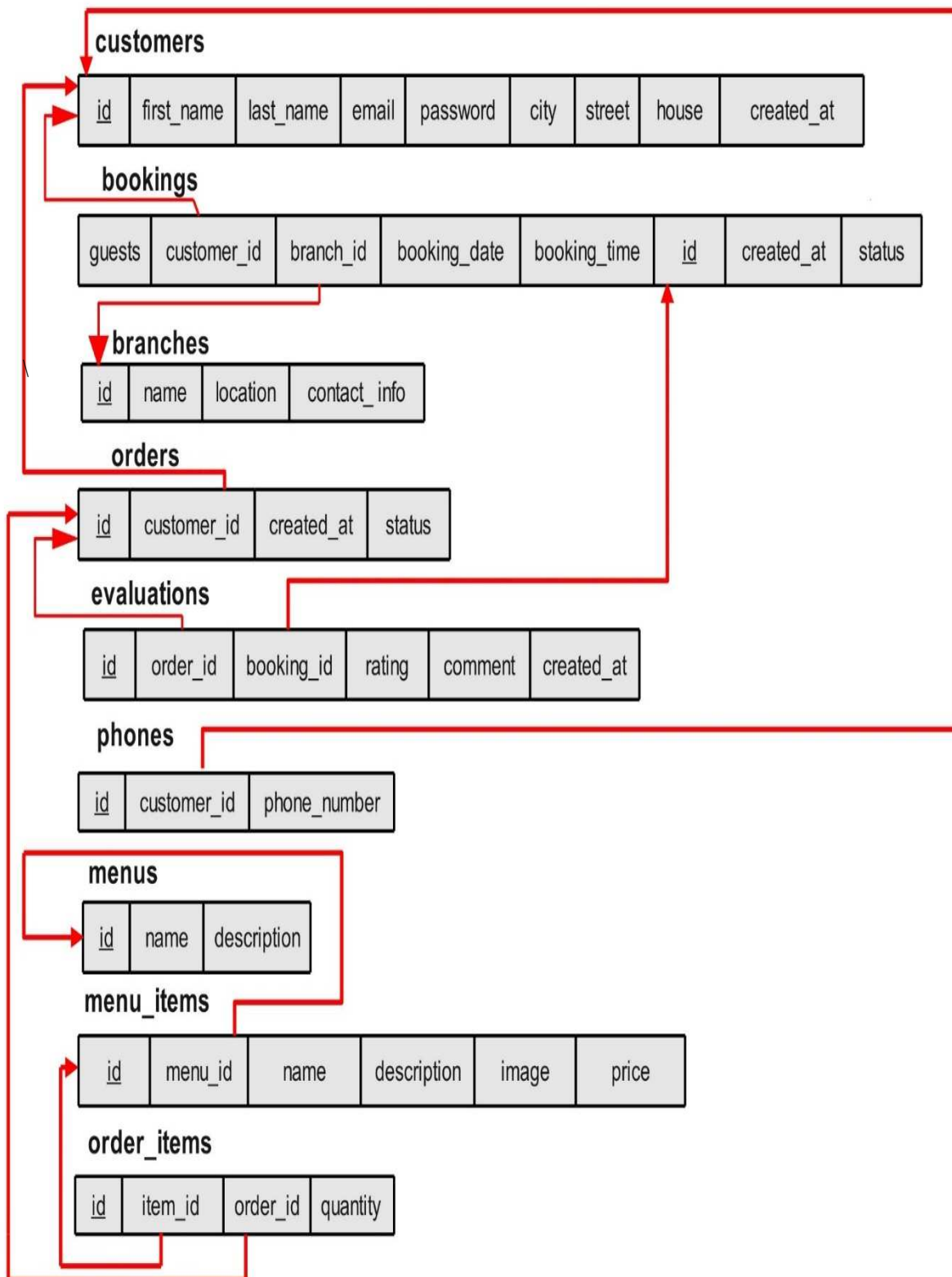


Figure 1.19

Test Cases

Test case 1

Test Case Identifier		TC-1
Use Case Tested	UC-1	
Pass/fail Criteria	The test passes if the user enter valid format for email, password and phone number to sign up process.	
Input data	Email, password and phone number	
Test Procedure	Expected Result	
Step.1 Enter valid details (Email: customer@perfect-food.com, Password: Pa\$\$w0rd!, Phone number: 01027906696).	User is registered successfully and redirected to the Home page. A success message is displayed.	

Test case 2

Test Case Identifier		TC-2
Use Case Tested	UC-1	
Pass/fail Criteria	The test passes if the user enter valid format for email, password and phone number to sign up process.	
Input data	Email, password and phone number	
Test Procedure	Expected Result	
Step.1 Enter an invalid email (Email: customer@perfect).	Registration fails. An error message "Please enter a valid email address" is displayed.	
Step.2 Enter a password that is too short (Password: pass).	Registration fails. An error message "Password must be at least 8 characters long" is displayed.	

Test case 3

Test Case Identifier		TC-3
Use Case Tested	UC-1	
Pass/fail Criteria	The test passes if the user enter valid format for email, password and phone number to sign up process.	
Input data	Email, password and phone number	
Test Procedure	Expected Result	
Step.1 Enter mismatched passwords (Password: Password123!	Registration fails. An error message "Passwords do not match" is displayed.	
Step.2 Enter an email already in use (Email: test@example.com).	Registration fails. An error message "Email is already registered" is displayed.	

Test case 4

Test Case Identifier		TC-4
Use Case Tested	UC-1	
Pass/fail Criteria	The test passes if the user enter valid format for email, password and phone number to sign up process.	
Input data	Email, password and phone number	
Test Procedure	Expected Result	
Step.1 Leave all fields empty and submit.	Registration fails. Error messages for each required field are displayed ("Email is required," "Password is required," "Phone Number is required").	

Test case 5

Test Case Identifier		TC-5
Use Case Tested	UC-2	
Pass/fail Criteria	The test passes If the customer purchases orders for an amount between \$100 and \$199.99, he will receive a 5% discount.	
Input data	Purchases and orders paid for	
Test Procedure	Expected Result	
Step.1 Add items to cart to make the total \$100.00.	Verify the discount applied is \$5.00. Verify the total after discount is \$95.00.	

Test case 6

Test Case Identifier		TC-6
Use Case Tested	UC-2	
Pass/fail Criteria	The test passes If the customer purchases orders for an amount between \$200 and \$299.99, he will receive a 5% discount.	
Input data	Purchases and orders paid for	
Test Procedure	Expected Result	
Step.1 Add items to cart to make the total \$250.00.	Verify the discount applied is \$25.00. Verify the total after discount is \$225.00.	

Test case 7

Test Case Identifier	TC-7
Use Case Tested	UC-2
Pass/fail Criteria	The test passes If the customer purchases orders for an amount between \$300 and \$399.99, he will receive a 5% discount.
Input data	Purchases and orders paid for
Test Procedure	Expected Result
Step.1 Add items to cart to make the total \$300.00	Verify the discount applied is \$60.00. Verify the total after discount is \$240.00.

Test case 8

Test Case Identifier	TC-8
Use Case Tested	UC-2
Pass/fail Criteria	The test passes If the customer purchases orders for an amount between \$300 and \$399.99, he will receive a 5% discount.
Input data	Purchases and orders paid for
Test Procedure	Expected Result
Step.1 Add items to cart to make the total \$350.00.	Verify the discount applied is \$70.00. Verify the total after discount is \$280.00.

Test case 9

Test Case Identifier		TC-9
Use Case Tested	UC-3	
Pass/fail Criteria	The test passes If the customer can access and view the menu items on the system correctly.	
Input data		
Test Procedure	Expected Result	
Step.1 Click on the menu icon (typically represented by three horizontal lines).	The menu page opens, displaying the list of menu items.	
Step.2 Scroll through the menu to view all items.	All menu items are displayed clearly, and the user can scroll through the entire list without any issues.	
Step.3 Click on a specific menu item.	The selected menu item is highlighted, and the corresponding page is opened.	
Step.4 Interact with the elements on the page opened by the menu item (e.g., add to cart, view account details).	The interactions should work as expected without any errors.	

Test case 10

Test Case Identifier	TC-10
Use Case Tested	UC-3
Pass/fail Criteria	The test passes If the customer enter minimum price, maximum price, and menu category correctly and the system returns correct menu items based on given criteria.
Input data	Minimum price: \$5 Maximum price: \$10 Menu category: "Dessert"
Test Procedure	Expected Result
Step.1 Navigate to the menu search interface.	The system should return a list of menu items that meet the following conditions: 1-The price of each menu item is between \$5 and \$10 (inclusive). 2-Each menu item belongs to the "Dessert" category. 3- In the event that there are no menu items in the system corresponding to the minimum and maximum price that were entered, the system displays the following message:" No items found within the selected price range and menu."
Step.2 Enter or set the minimum price to \$5.	
Step.3 Enter or set the maximum price to \$10.	
Step.4 Select or enter the menu category as "Dessert".	
Step.5 Initiate the search.	

Test case 11

Test Case Identifier		TC-11
Use Case Tested	UC-3	
Pass/fail Criteria	The test passes If the customer enter minimum price, maximum price, and menu category correctly and the system returns correct menu items based on given criteria.	
Input data	Minimum price: \$5 Maximum price: \$0 Menu category: "Lunch Menu"	
Test Procedure	Expected Result	
Step.1 Enter or set the minimum price to \$5.	The system should return a list of menu items that meet the following conditions: 1-The price of each menu item is greater than or equal to \$5 (inclusive). 2-Each menu item belongs to the " Lunch Menu " category. 3- In the event that there are no menu items in the system corresponding to the minimum and maximum price that were entered, the system displays the following message:" No items found within the selected price range and menu."	
Step.2 Enter or set the maximum price to \$0.		
Step.3 Select or enter the menu category as" Lunch Menu ".		
Step.4 Initiate the search.		

Test case 12

Test Case Identifier	TC-12
Use Case Tested	UC-3
Pass/fail Criteria	The test passes If the customer enter minimum price, maximum price, and menu category correctly and the system returns correct menu items based on given criteria.
Input data	Minimum price: \$0 Maximum price: \$10 Menu category: "Dinner Menu"
Test Procedure	Expected Result
Step.1 Enter or set the minimum price to \$0.	The system should return a list of menu items that meet the following conditions: 1-The price of each menu item is less than or equal to \$10 (inclusive). 2-Each menu item belongs to the " Dinner Menu " category. 3- In the event that there are no menu items in the system corresponding to the minimum and maximum price that were entered, the system displays the following message:" No items found within the selected price range and menu."
Step.2 Enter or set the maximum price to \$10.	
Step.3 Select or enter the menu category as "Dinner Menu ".	
Step.4 Initiate the search.	

Test case 13

Test Case Identifier		TC-13
Use Case Tested	UC-3	
Pass/fail Criteria	The test passes If the customer enter minimum price, maximum price, and menu category correctly and the system returns correct menu items based on given criteria.	
Input data	Minimum price: \$0 Maximum price: \$0 Menu category: "All Menus"	
Test Procedure	Expected Result	
Step.1 Enter or set the minimum price to \$0.	The system will display all menu items in it	
Step.2 Enter or set the maximum price to \$0.		
Step.3 Select or enter the menu category as "All Menus ".		
Step.4 Initiate the search.		

Test case 14

Test Case Identifier		TC-14
Use Case Tested	UC-4	
Pass/fail Criteria	The test passes If the customer adds items to the shopping cart ,then after that deleted some items form the cart correctly.	
Input data		
Test Procedure	Expected Result	
Step.1 Navigate to the shopping cart.	The cart page opens, displaying the list of menu items.	
Step.2 Select the item to be deleted.		
Step.3 Click on the "Delete" button. .	The item is removed from the list. A success message is displayed indicating the item has been deleted.	

Test case 15

Test Case Identifier	TC-15
Use Case Tested	UC-4
Pass/fail Criteria	The test passes If the customer adds items to the shopping cart, and check out them then after that deleted some items form My Orders option is there in the customer drop down list.
Input data	
Test Procedure	Expected Result
Step.1 Navigate to the customer drop down list.	The cart page opens, displaying the list of menu items.
Step.2 Select My Orders option.	The system will display the page of orders belongs to the customer.
Step.3 Click on the "Delete" button.	The system will display a warning message informs the customer that "Are you sure you want to delete this order?"
Step.4 Click on the Ok button.	The item will be removed from the list. The system will display this message" Order deleted successfully."

Test case 16

Test Case Identifier		TC-16
Use Case Tested	UC-4	
Pass/fail Criteria	The test passes If the customer adds items to the shopping cart, and check out them then after that deleted some items but he wants cancel the deletion	
Input data		
Test Procedure	Expected Result	
Step.1 Navigate to the customer drop down list.	The cart page opens, displaying the list of menu items.	
Step.2 Select My Orders option.	The system will display the page of orders belongs to the customer.	
Step.3 Click on the "Delete" button. .	The system will display a warning message informs the customer that "Are you sure you want to delete this order?"	
Step.4 Click on the "Cancel" button.	The item won't be removed from the list.	

Test case 17

Test Case Identifier	TC-17
Use Case Tested	UC-5
Pass/fail Criteria	The test passes If the customer can successfully edit the delivery details of a current order and that all changes are reflected accurately.
Input data	Email: "customer54@perfect-food.com" First Name: "Mary" Last Name: "Sanp" Address: "123 Main St, Springfield" Contact Number: "1234567890"
Test Procedure	Expected Result
Step.1 Log into the system and navigate to the 'Cart' section.	The list of current orders and Check Out panel are displayed.
Step.2 Change the Email to "customer54@perfect-food.com".	The new Email is entered in the form.
Step.3 Change the first name to "Mary" and last name to "Sanp".	The new name is entered in the form.
Step.3 Change the delivery address to "123 Main St, Springfield".	The new address is entered in the form.
Step.4 Change the contact number to "1234567890".	The new contact number is entered in the form.
Step.5 Click the 'Checkout' button to save the changes.	The system saves the changes and returns to the Home page with updated delivery information.

Test case 18

Test Case Identifier		TC-18
Use Case Tested	UC-5	
Pass/fail Criteria	The test passes If the customer can successfully edit the delivery details of a current order and that all changes are reflected accurately.	
Input data	Email: "customer54perfect-food.com" Contact Number: "456-7890"	
Test Procedure	Expected Result	
Step.1 Log into the system and navigate to the 'Cart' section.	The list of current orders and Check Out panel are displayed.	
Step.2 Change the Email to "customer54perfect-food.com"	The new Email is entered in the form.	
Step.4 Change the contact number to "456-7890"	The new contact number is entered in the form.	
Step.5 Click the 'Checkout' button to save the changes.	The system doesn't save the changes and displays message informs the customer to enter valid email and contact number.	

Test case 19

Test Case Identifier	TC-19
Use Case Tested	UC-6
Pass/fail Criteria	The test passes If the customer can add rate and comment to completed orders and that the comments are saved and displayed correctly.
Input data	Rate and comment
Test Procedure	Expected Result
Step.1 Go to the user's order history page.	The page displays a list of the user's completed orders.
Step.2 Select a completed order and click on the Rate button.	The Evaluation Form page is displayed.
Step.4 The customer selects the appropriate rating based on their satisfaction level with the order.	The rate number is displayed in the input field.
Step.5 If desired, the customer enters additional comments to provide feedback regarding their rating.	The comment text is displayed in the input field.
Step.5 Click the "Submit Evaluation" button.	The system saves the comment and rate and a confirmation message (e.g., " Evaluation successfully inserted.") is displayed.

Test case 20

Test Case Identifier		TC-20
Use Case Tested	UC-7	
Pass/fail Criteria	The test passes If the customer insert valid data includes Branch Data, Date, Time and Number of guests	
Input data	Branch name - Date – Time – Number of guests	
Test Procedure	Expected Result	
Step.1 Click on booking button in navbar.	The system presents the user with Book a Table interface.	
Step.2 Select the branch, the date, the time and the number of guests. Click on the submit button to confirm the booking.	The system saves booking details in the database. The system will send this message” Booking successful”	

Test case 21

Test Case Identifier		TC-21
Use Case Tested	UC-7	
Pass/fail Criteria	The test passes If the customer insert valid data includes Branch Data, Date, Time and Number of guests	
Input data	Invalid Date (e.g. past date”20/5/2020”) – Valid Number of guests .	
Test Procedure	Expected Result	
Step.1 Click on booking button in navbar.	The system presents the user with Book a Table interface.	
Step.2 Select the branch, past date (“20/5/2020”), the time and the valid number of guests Click on the submit button to confirm the booking.	The system doesn’t save booking details in the database and sends message says” Booking date and time must be in the future”	

Test case 22

Test Case Identifier	TC-22
Use Case Tested	UC-7
Pass/fail Criteria	The test passes If the customer insert valid data includes Branch Data, Date, Time and Number of guests
Input data	Valid Date and Time - Larg Number of guests (1000)
Test Procedure	Expected Result
Step.1 Click on booking button in navbar.	The system presents the user with Book a Table interface.
Step.2 Select the branch, valid date, the time and invalid large number of guests (1000). Click on the submit button to confirm the booking.	The system doesn't save booking details in the database and sends message says" Number of guests must be less than or equal to 100"

Test case 23

Test Case Identifier	TC-23
Use Case Tested	UC-7
Pass/fail Criteria	The test passes If the customer insert valid data includes Branch Data, Date, Time and Number of guests
Input data	Fields are empty.
Test Procedure	Expected Result
Step.1 Click on booking button in navbar.	The system presents the user with Book a Table interface.
Step.2 Leave the date and time fields empty. Click on the submit button to confirm the booking.	The system doesn't save anything and sends message says" Please fill out this field"

Features offered by perfect food website:

- 1- The possibility of ordering an online order with the availability of shipping, delivery and table reservation.**
- 2- It helps customers to identify the items you offer by adding pictures of the menu and the best dishes. And also post deals or special offers.**
- 3- Complete comfort for the customer, as information is provided about the restaurant and dealing with it with ease, as they can see the working hours, available food, and prices without the need to call or go to the restaurant.**
- 4- The website helps in providing information about the restaurant and dealing with it easily, as they can see the working hours, available foods and prices without the need to call or go to the restaurant and make meals for working women and events in the restaurant such as birthdays and aqiqah for children.**
- 5- It is also possible to evaluate and submit suggestions by customers on the service provided.**

Future directives

: Artificial intelligence techniques can be used to develop and update the website so that it is better and easier to deal with.

- Developing the site to display some food recipes in all countries of the world and how to prepare them .

References

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