addReservation.php

Provides a user-friendly form that allows users to add new reservations to the restaurant system. It collects users' information like username, contact information, reservation time, number of guests, and special requests. After the form is submitted, the data is sent to index.php?action=addReservation, where the information is processed.

home.php

It displays the homepage for the restaurant's portal. Two navigation links: one for adding reservation, and another for viewing reservations, are displayed. Add Reservation link allows user to create a new reservation, and View Reservation link allows user to view all existing reservation.

viewReservations.php

It displays all the reservations currently available in the database in a table format. Each reservation shows Reservation ID, Customer ID, Reservation Time, Number of Guests, and Special Requests.

index.php

This acts as the controller and routes requests to the appropriate actions. For example, addReservation will display the reservation form, viewReservations will display a list of reservations.

RestaurantDatabase.php

It handles database operations such as connecting to the Database, getting customer information, adding a customer, adding a reservation, getting all reservations, and getting customer preferences. In other words, it handles all the interactions with the MYSQL database to store and retrieve data.

RestaurantServer.php

This file contains the RestaurantPortal class. It manages user interactions and contains methods for different actions such as handleRequest(), addReservation(), viewReservation(). handleRequest() determines the action the user wants to perform like adding a reservation, and viewing all reservations, then calls the appropriate method to process the action. addReservation() handles the logic of adding a new reservation. It processes the data from the addReservation.php form, adds the customer if they don't exist and then stores it in the database. viewReservation() fetches all reservations from the database and displays them to the user.

MYSQL script

It creates a database for managing restaurant reservations. The tables for storing customer data, reservations, and dining preferences ensure that all the necessary information is collected. It also ensures that the system automatically checks for duplicate customers and manages special requests.