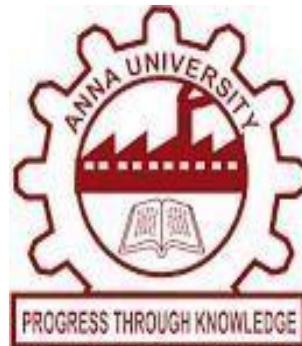


**MADRAS INSTITUTE OF TECHNOLOGY
ANNA UNIVERSITY CHENNAI
CHENNAI - 600 044**



**DEPARTMENT OF INFORMATION
TECHNOLOGY**
5/8 B.TECH INFORMATION TECHNOLOGY
IT5501
WEB TECHNOLOGY MINI PROJECT
TITLE: ONLINE FOOD ORDERING SYSTEM
(FOOD PLAZA)

Submitted by,
Sailaja S - 2022506056
Nethra VS - 2022506115

ONLINE FOOD ORDERING SYSTEM (FOOD PLAZA)

Abstract:

Food Plaza System is an interactive online food ordering system designed to streamline the process for both customers and administrators. Customers can browse available food items, add them to the cart, place orders, and view their profiles, while admins manage food inventory, update order statuses, and monitor overall orders. The platform ensures seamless navigation with role-based functionalities and secure login/logout features. Food Plaza aims to provide an efficient and user-friendly experience for managing and enjoying food services.

Objectives:

- **Simplify Food Ordering:** Provide an intuitive platform for customers to browse, select, and order food items seamlessly.
- **Efficient Admin Management:** Enable administrators to manage food inventory, update order statuses, and track orders efficiently.
- **Role-Based Access:** Ensure secure and customized access for customers and administrators with dedicated functionalities for each.
- **Profile Management:** Allow both customers and admins to manage and view their profiles with personalized options.
- **Real-Time Updates:** Facilitate real-time order status updates by the admin for better transparency and customer satisfaction.
- **User-Friendly Interface:** Offer a simple and responsive interface for easy navigation and a pleasant user experience.

Technology and Tools Used:

- **JSP (JavaServer Pages):** Utilized for dynamic web content generation and seamless interaction between the front-end and back-end.
- **Eclipse IDE:** Used as the primary development environment for coding and debugging the application.
- **MySQL Connector:** Facilitates connectivity between the Java application and the MySQL database for efficient data handling.
- **XAMPP Server:** Provides a reliable platform for hosting the application and managing the MySQL database locally.

Tables Created for the Food Plaza System:

- **fooditem:**

Stores details of available food items, including food ID, name, price, and category.

Facilitates addition, deletion, and update of food items by the admin.

- **customer:**

Maintains customer information such as name, email, and contact details.
Used to manage customer profiles and order history.

- **signup:**

Handles user registration with fields for username, email, and password.
Differentiates between admin and customer roles for access control.

- **cart:**

Stores items added to the cart by customers
Enables order placement and tracking.

Methodology Used:

- **Requirement Analysis**

Identified the key functionalities of the system, such as user registration, login, food management, cart functionality, and order tracking.

Differentiated between admin and customer roles to define specific features for each user type.

- **Design Phase**

Developed a modular architecture using JSP for dynamic content generation.

Created a database schema with tables for food items, customers, user signups, and cart management using MySQL.

- **Implementation**

Implemented the system using Eclipse IDE, integrating JSP with MySQL using the MySQL Connector.

Developed separate interfaces for admin and customer roles, ensuring smooth navigation and role-based access.

- **Testing and Deployment**

Tested the system for functionality, including adding food items, managing carts, and updating order status.

Deployed the application locally using XAMPP for database and server management.

- **Iterative Enhancements**

Incorporated feedback to refine features like food updates, cart operations, and order tracking.

Ensured system scalability for potential future upgrades.

Output Screenshots:

SIGN UP PAGE

The screenshot shows a sign-up form titled "WELCOME TO FOOD PLAZA" with a "SIGN UP" button. The background features a dark wooden texture with various food items like tomatoes, oil, and a bowl of salad. The form includes fields for Customer Name, Address, Contact No., Email Id, and Password.

WELCOME TO FOOD PLAZA

SIGN UP

Customer Name:

Address:

Contact No:

Email Id:

Password:

LOGIN AS ADMIN

The screenshot shows an admin login form titled "Food Plaza" with a "Login" button. The background features a dark wooden texture with various food items like bread, vegetables, and a glass of wine. The form includes fields for Customer or Admin selection, Email Id, and Password.

Food Plaza

Login

Customer Admin

Email Id:

Password:

Sign Up [Sign Up](#)

The screenshot shows the admin dashboard with a header "Welcome to Food Plaza". Below the header are three buttons: "ADD FOOD ITEMS", "SHOW ADMIN PROFILE", and "ORDER STATUS UPDATE". The main area features a collage of various food items including pizzas, salads, and sandwiches.

Welcome to Food Plaza

ADD FOOD ITEMS SHOW ADMIN PROFILE ORDER STATUS UPDATE

Available Foods

Food Id	Food Name	Food Type	Food Category	Food Description	Food Price	Action
3	Idly	Veg	breakfast	with sambar	₹100.0	Update Delete
4	chapathi	Veg	dinner	with paneer	₹100.0	Update Delete
6	briyani	Veg	lunch	with onion	₹609.0	Update Delete

ADD FOOD ITEMS

Add Food - Food Plaza

Food item added successfully!

Food Name: *

Food Type: *

Food Category: *

Food Description: *

Food Price: *

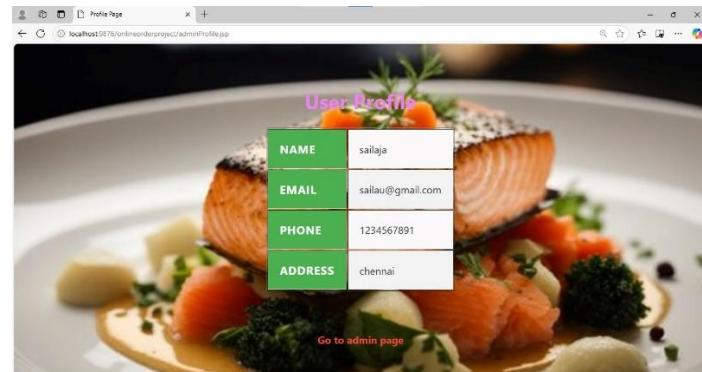
ADMIN PROFILE

Get User Profile

Enter Your Email ID

Email ID:

[Get Profile](#) [Go to admin page](#)



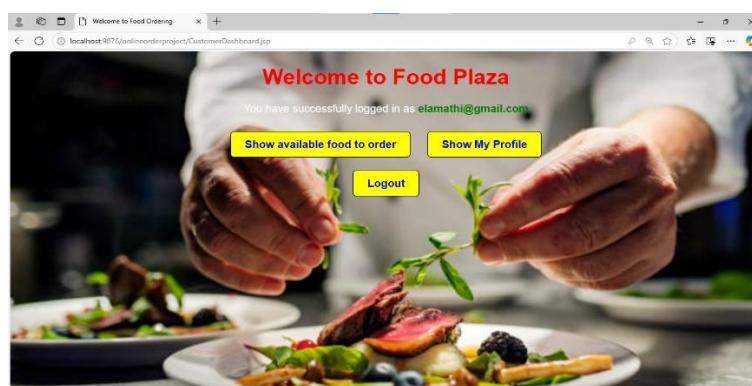
ORDER STATUS UPDATE

A screenshot of a web browser showing an "Order Status Update" page. The page has a green header bar with the text "YOUR CART". Below it is a table showing food items and their status:

FOOD NAME	QUANTITY	PRICE	TOTAL PRICE	ORDER STATUS	ACTION
parotta	2	₹200.0	₹400.0	orderdelivered	Status: orderdelivered
mutton briyani	1	₹500.0	₹500.0	orderdelivered	Status: orderdelivered
parotta	1	₹200.0	₹200.0	Pending	Mark as Delivered
Grand Total					₹1100.0

[Back to Food List](#)

LOGIN AS CUSTOMER

A screenshot of a web browser showing a "Food Plaza" login page. The page features a wooden background with a meal. It includes fields for "Email Id:" (elamathi@gmail.com) and "Password:", and a "Login" button.

CUSTOMER PROFILE

The screenshot shows a web browser window titled "Get User Profile" with the URL "localhost:9876/onlineorderproject/userid.jsp". The main content area has a teal-to-blue gradient background. A white rectangular form is centered, titled "Enter Your Email ID". It contains a text input field with the value "elamathi@gmail.com", a green "Get Profile" button, and a green "Go To Home" button.

The screenshot shows a web browser window titled "Profile Page" with the URL "localhost:9876/onlineorderproject/getUserProfile.jsp". The main content area has a pink gradient background. A white rectangular form is centered, titled "User Profile". It displays a table with four rows: Name (elamathi), Email (elamathi@gmail.com), Phone (5678904321), and Address (bangalore). Below the form is a pink footer bar with a "Go To Home" link.

SHOWS AVAILABLE FOOD TO ORDER

The screenshot shows a web browser window titled "Available Foods" with the URL "localhost:9876/onlineorderproject/showFood.jsp". The main content area has an orange gradient background. A white rectangular form is centered, titled "Available Foods". It displays a table of food items:

FOOD ID	FOOD NAME	FOOD TYPE	FOOD CATEGORY	FOOD DESCRIPTION	FOOD PRICE	ACTION
3	idly	Veg	breakfast	with sambhar	100.0	Add to Cart
4	chapathi	Veg	dinner	with paneer	100.0	Add to Cart
6	briyani	Veg	lunch	with onion	609.0	Add to Cart
9	parotta	Veg	dinner	with kurumaa	200.0	Add to Cart
10	parotta	Veg	dinner	with kurumaa	200.0	Add to Cart
11	mutton briyani	Non-veg	dinner	with kurumaa	500.0	Add to Cart
12	rice	Veg	lunch	with curry	300.0	Add to Cart

Your Cart						
Food Name	Quantity	Price	Total Price	Order Status	Action	
parotta	2	₹200.0	₹400.0	orderdelivered	Delete	
mutton briyani	1	₹500.0	₹500.0	orderdelivered	Delete	
parotta	1	₹200.0	₹200.0	Pending	Delete	
Grand Total					₹1100.0	
View Bill Details			Back to Food List			

ORDER DELIVERY STATUS

Your Cart						
Food Name	Quantity	Price	Total Price	Order Status	Action	
parotta	2	₹200.0	₹400.0	orderdelivered	Delete	
mutton briyani	1	₹500.0	₹500.0	orderdelivered	Delete	
parotta	1	₹200.0	₹200.0	Pending	Delete	
chapathi	1	₹100.0	₹100.0	Pending	Delete	
Grand Total					₹1200.0	
View Bill Details			Back to Food List			

Conclusion:

The Food Plaza system simplifies online food ordering with distinct functionalities for admins and customers, ensuring efficient food management and order tracking. Using JSP, MySQL, Eclipse, and XAMPP, it provides a user-friendly platform. The project highlights the role of technology in enhancing food service operations.