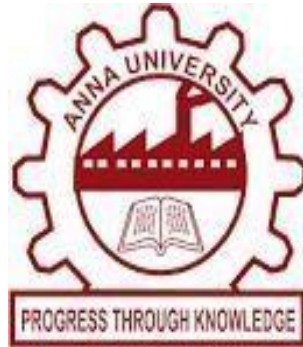


**MADRAS INSTITUTE OF TECHNOLOGY
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CHENNAI - 600 044**



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

Submitted by,

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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.

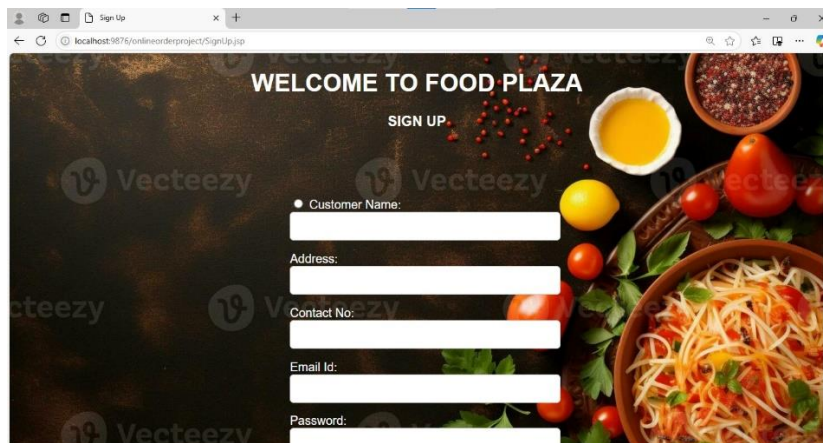
- **Iterative Enhancements**

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



WELCOME TO FOOD PLAZA

SIGN UP

Customer Name:

Address:

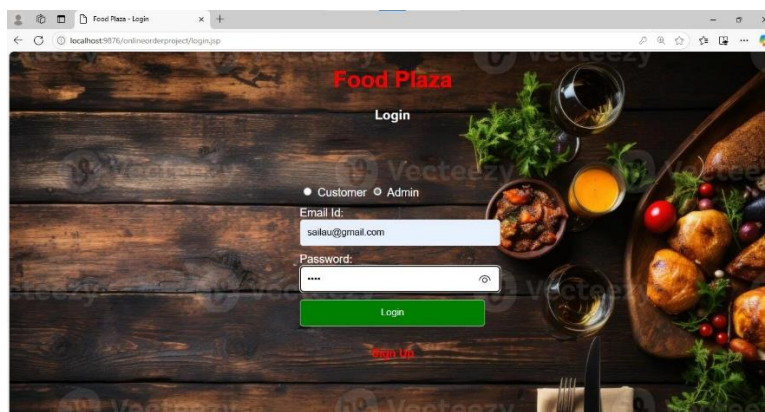
Contact No:

Email Id:

Password:

Sign Up

LOGIN AS ADMIN



Food Plaza

Login

Customer Admin

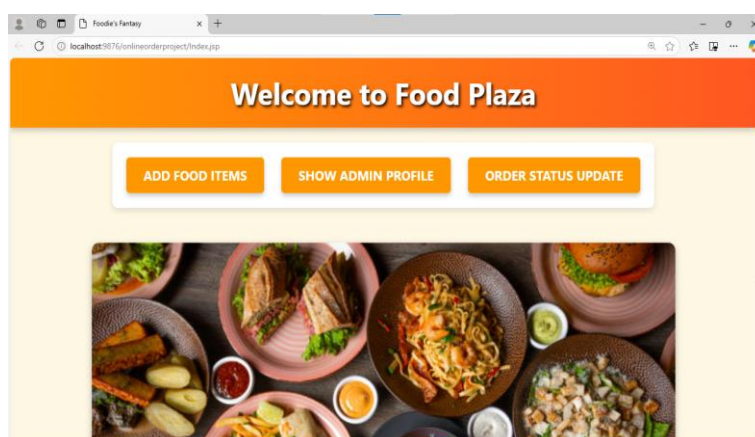
Email Id:

salau@gmail.com

Password:

Login

Sign Up



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	biryani	Veg	lunch	with onion	₹609.0	Update Delete

ADD FOOD ITEMS

ADD FOOD

Food item added successfully!

Food Name: *

Enter food name

Food Type: *

Veg

Food Category: *

e.g., Appetizer, Dessert

Food Description: *

Enter a brief description

Food Price: *

ADMIN PROFILE

Get User Profile

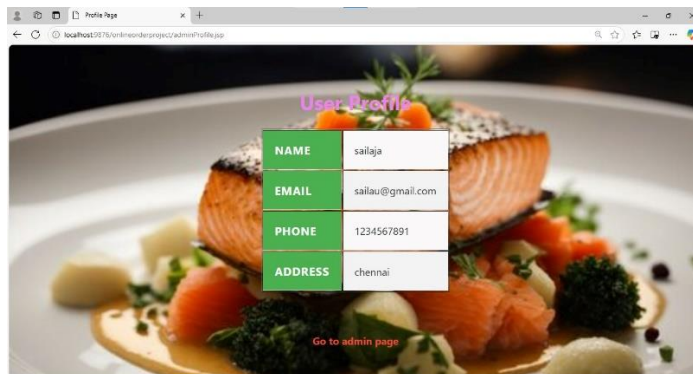
Enter Your Email ID

Email ID:

sailau@gmail.com

Get Profile

Go to admin page

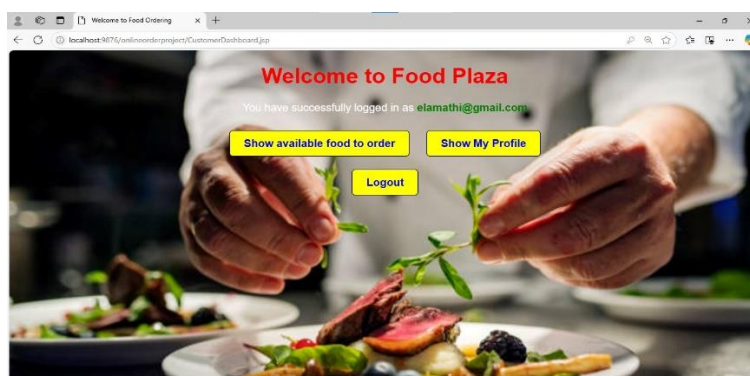
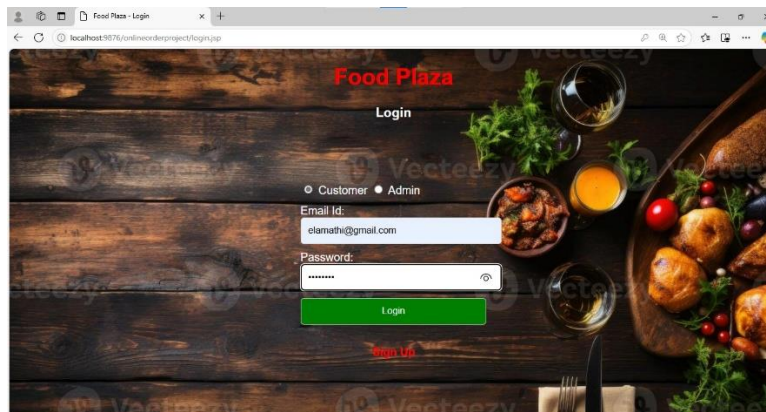


ORDER STATUS UPDATE

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



CUSTOMER PROFILE

A web browser window titled 'Get User Profile' showing a form to enter an email ID. The form has a text input field containing 'elamathi@gmail.com' and two buttons: 'Get Profile' and 'Go To Home'.

Enter Your Email ID

Email ID:

elamathi@gmail.com

Get Profile [Go To Home](#)

A web browser window titled 'Profile Page' showing a user profile. The profile information is displayed in a table with green headers. A 'Go To Home' link is at the bottom left.

User Profile

Name	elamathi
Email	elamathi@gmail.com
Phone	5678904321
Address	bangalore

[Go To Home](#)

SHOWS AVAILABLE FOOD TO ORDER

A web browser window titled 'Available Foods' showing a table of food items. The table has columns for Food ID, Food Name, Food Type, Food Category, Food Description, Food Price, and Action. Each row represents a different food item with its details and an 'Add to Cart' button.

FOOD ID	FOOD NAME	FOOD TYPE	FOOD CATEGORY	FOOD DESCRIPTION	FOOD PRICE	ACTION
3	idly	Veg	breakfast	with sambar	100.0	Add to Cart
4	chapathi	Veg	dinner	with paneer	100.0	Add to Cart
6	biryani	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 biryani	Non-veg	dinner	with kurumaa	500.0	Add to Cart
12	rice	Veg	lunch	with curry	300.0	Add to 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

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.