**Application of Information and**

**Communication Technologies.**

Semester Project Building a website by

**Muhammad Sibtain Khan** (232417) & **Bilal Khan**(232435)

**Website Features and Functionalities:**

* User Registration and Authentication

Allow users to create accounts.

Implement secure authentication mechanisms.

* Product Management:

Enable sellers to add, edit, and remove food items.

Include the ability to categorize and tag products.

* Shopping Cart:

Provide users with a shopping cart to add and manage selected items.

Allow users to view and modify the contents of their cart.

* Order Processing:

Implement a secure checkout process.

Send order confirmation emails to users.

Provide sellers with order management tools.

* User Reviews and Ratings:

Allow users to leave reviews and ratings for products.

Display average ratings and reviews on product pages.

* Search and Filter Functionality:

Implement a robust search functionality for users to find specific products.

Include filters for categories, price range, and dietary preferences.

* User Profiles:

Enable users to create and manage their profiles.

Provide order history and tracking information.

* Responsive Design:

Ensure the website is accessible and user-friendly across various devices (desktop, tablet, mobile).

* Payment Gateway Integration:

Integrate a secure payment gateway for online transactions.

Support multiple payment methods (credit cards, digital wallets, etc.).

* Admin Panel:

Create an admin dashboard for site administrators.

Include tools for managing users, products, and orders.

Generate reports on sales and site performance.

**Technical Constraints or Considerations:**

* Security:

Implement SSL/TLS for secure data transmission.

Regularly update and patch software to address security vulnerabilities.

* Scalability:

Design the system architecture to handle potential growth in users and transactions.

* Compliance:

Ensure compliance with data protection regulations.

Adhere to industry standards for online transactions and security.

* Technology Stack:

Specify the programming languages, frameworks, and databases to be used.

**Create User Stories**

* As a user, I want to be able to create an account so that I can save my preferences and track my orders.
* As a seller, I want to add new food items with details such as name, description, price, and category.
* As a user, I want to browse food items by category and apply filters to find specific products.
* As a user, I want to add items to my shopping cart and view the contents before proceeding to checkout.
* As a user, I want to securely checkout and receive a confirmation email with order details.
* As a user, I want to leave reviews and ratings for products I have purchased.
* As a seller, I want to view and manage incoming orders, mark them as processed, and update order status.
* As a user, I want to search for specific food items using a search bar.
* As a user, I want to have a profile page where I can view my order history and update my personal information.
* As an admin, I want to access a dashboard to monitor site analytics, manage users, and review sales reports.