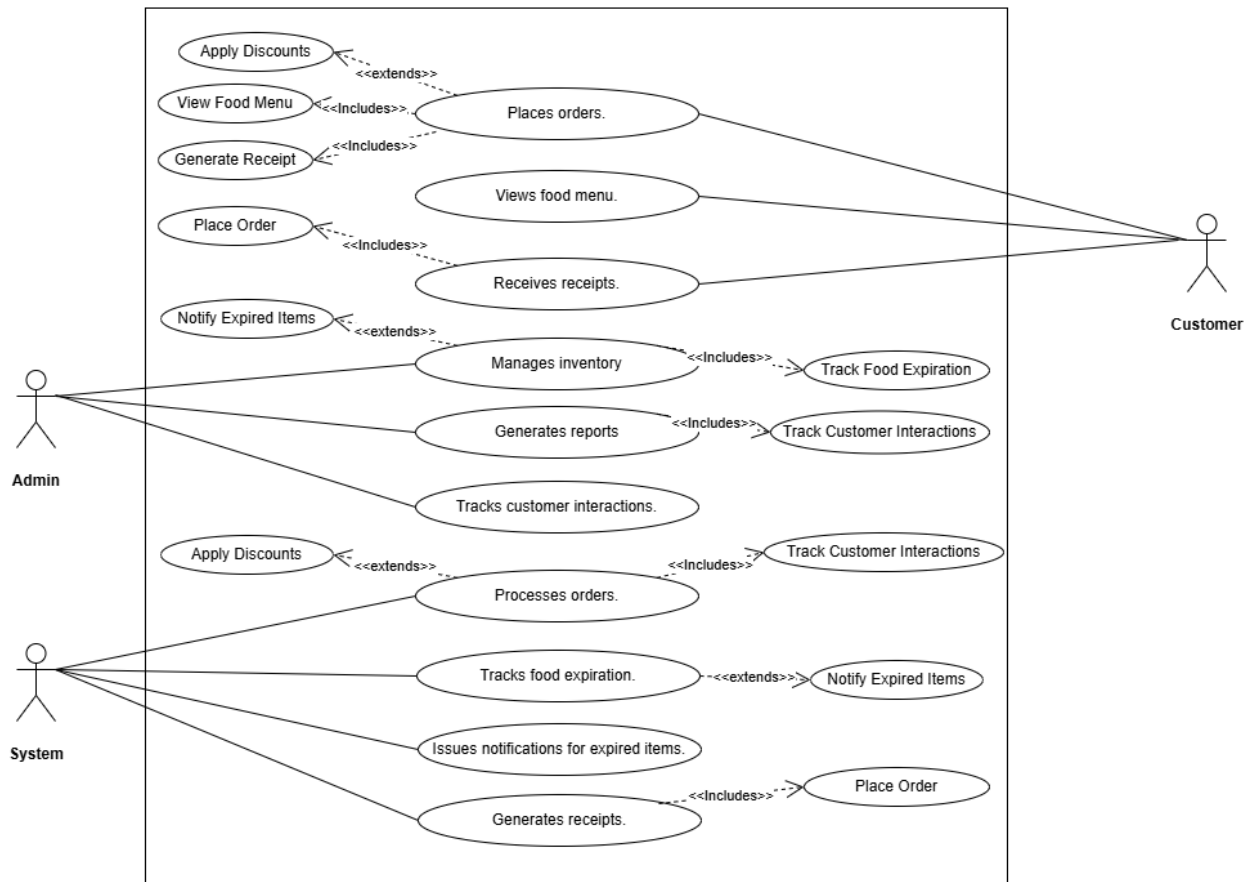


1.use case diagram



2.Recuriments

Functional Requirements

1. Order Management:

- Place orders by selecting food items from the menu.
- Calculate order total, including discounts.
- Display item details like price, quantity, and expiration warnings.
- Allow customers to search for orders using phone numbers or order IDs.
- Generate and display receipts for completed orders (PDF format).

2. Menu and Inventory Management:

- View all food items categorized (e.g., burgers, fries, beverages).
- Add, update, and delete food items in the inventory.

- Track item details such as price, quantity, and expiration dates.
- Notify the admin of expired food items and allow removal of expired items.

3. Customer Management:

- Add customer details during order placement or through a separate process.
- Update, edit, and delete customer details.
- View order history for specific customers.

4. Report Generation:

- Generate monthly sales reports.
- Identify top customers based on order frequency.
- Generate annual sales reports and food item sales reports.

5. User Interaction:

- Enable users to search for food items by name, code, or category.
- Allow admins to view notifications for expired items or stock shortages.

Non-Functional Requirements

1. Performance:

- The system should handle up to 100 concurrent users without significant delays.
- Page loading time should not exceed 3 seconds on average.

2. Responsiveness:

- The web application must be responsive and display properly on desktops, tablets, and smartphones.

3. Scalability:

- The system should be capable of accommodating an expanding menu and growing customer base.

4. Usability:

- Use a clean, intuitive interface with clear navigation for customers and admins.

- Provide visual indicators (e.g., buttons, icons) for key actions like placing orders or editing inventory.

5. Security:

- Ensure secure handling of sensitive customer data using HTTPS.
- Implement role-based access control for admin features.

6. Maintainability:

- Follow modular coding practices for ease of updates and bug fixes.
- Use standardized frameworks and libraries for frontend (e.g., Bootstrap) and backend development.

7. Reliability:

- The system should have 99.9% uptime and handle unexpected errors gracefully with appropriate notifications.

8. Accessibility:

- Ensure compliance with basic web accessibility standards (e.g., WCAG) for usability by all users, including those with disabilities.

9. Documentation:

- Provide user manuals for both customers and administrators.
- Maintain technical documentation for system maintenance and updates.

10. Cross-Browser Compatibility:

- The system should function correctly on major browsers (e.g., Chrome, Firefox, Safari, Edge).

3.wireframes

nav bar

Product List

category nav bar

search bar

+ add products

footer

nav bar

Product List

category nav bar

search bar

order place form with
add customer button

footer

nav bar

welcome text with banner

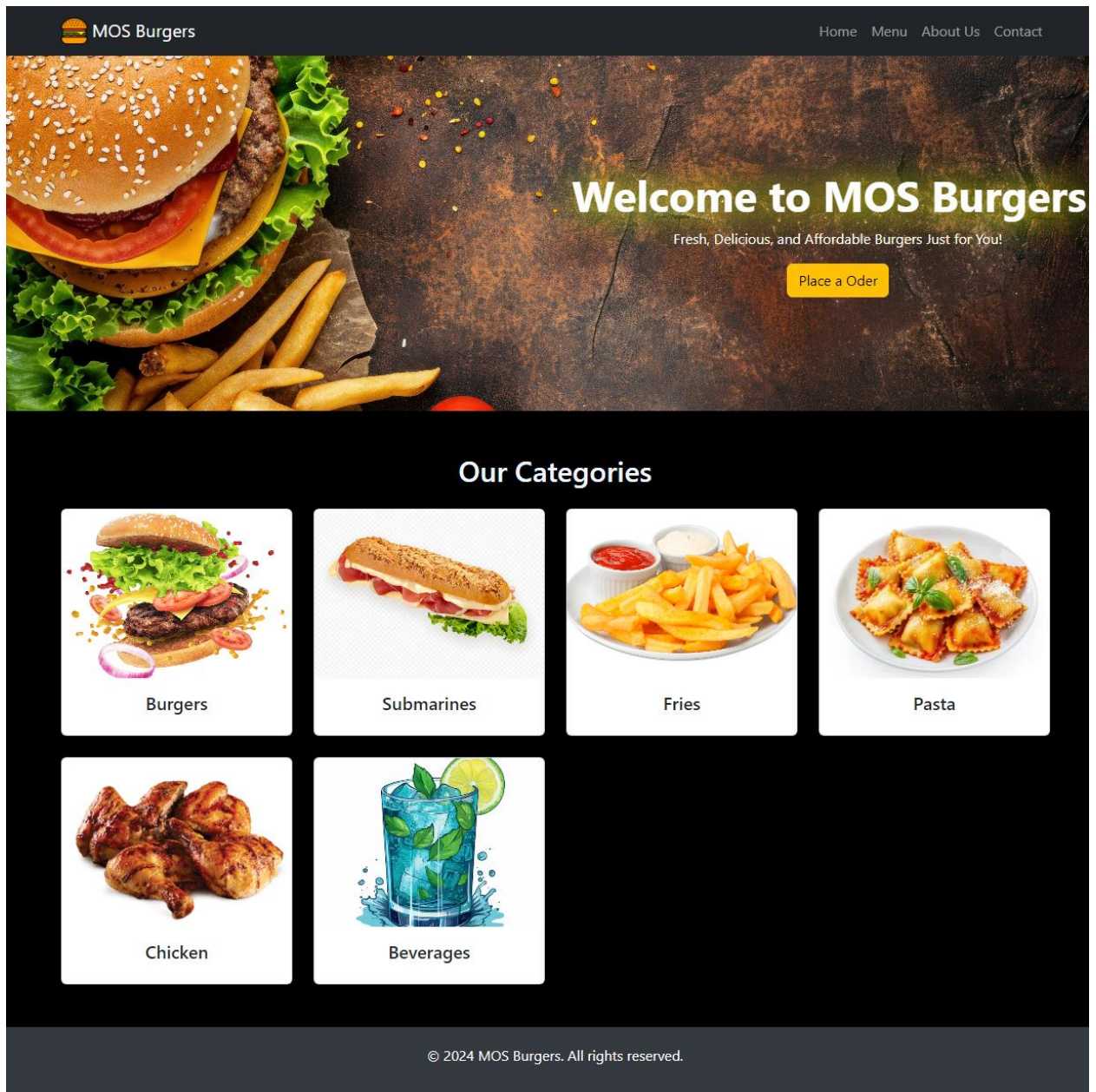
Categories section




footer

4. prototypes

i. home page



ii.product list page

 MOS Burgers


HomeMenuAbout UsContact

Products List




BurgersSubmarinesFriesPastaChickenBeverages


Search Here

+ Add New Products







Classic Burger
Price(LKR): 200.00









Turkey Burger
Price(LKR): 200.00









Chicken Burgers
Price(LKR): 200.00









Cheese Chicken Burger
Price(LKR): 200.00









Crispy Chicken Burger
Price(LKR): 200.00









Special Olive Burger
Price(LKR): 200.00









Bacon Burger
Price(LKR): 200.00









Shawarma Burger
Price(LKR): 200.00








Double Cheese Burger
Price(LKR): 200.00






Paneer Burger
Price(LKR): 200.00



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iii.place order page


 MOS Burgers

HomeMenuAbout UsContact


Place Your Order Here!

BurgersSubmarinesFriesPastaChickenBeverages


Find Your Favorite Items Here!




Classic Burger
Price(LKR): 200.00




Turkey Burger
Price(LKR): 200.00




Chicken Burgers
Price(LKR): 200.00




Cheese Chicken Burger
Price(LKR): 200.00




Crispy Chicken Burger
Price(LKR): 200.00




Special Olive Burger
Price(LKR): 200.00




Bacon Burger
Price(LKR): 200.00



Shawarma Burger
Price(LKR): 200.00



Double Cheese Burger
Price(LKR): 200.00



Paneer Burger
Price(LKR): 200.00

Order ID : P001
Date : 2023-06-01

Search by Phone Number


Customer Name

Location

Total Items: 0

Clear All

Additional Note



Total Price: 1000
Sub Total: 0
Discount: 0

Send

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