PHASE 2: Creating Frontend with HTML, Bootstrap and Angular

OBJECTIVE:

Kitchen Story is an e-commerce portal that lets people shop basic food items on their website. The website needs to have the following features:

• A search form in the home page to allow entry of the food items to be purchased by the customer.

• Based on item details entered, it will show available food items with price.

• Once a person selects an item to purchase, they will be redirected to the list of available items. In the next page, they are shown the complete breakout of the order and details of the payment to be made in the payment gateway.

• When payment is done, they are shown a confirmation page with details of the order. For the above features to work, there will be an admin backend with the following features:

• Admin login page where admin can change password after login if he wants to

• A master list of food items available for purchase

• A functionality to add or remove food items

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ABSTRACT

The proposed application is an Angular web app, which has most of the components to support a food delivery website. Here, the web app is known as "Kitchen Story". The user can interact with the application at localhost:4200. The web app is completely coded using Angular Framework and the website is supported with Bootstrap V 5.1 and routing features. The web app provides interactive features such as Login, Registration, Add to Cart functionality, CRUD operations on the cart items like adding food to cart, updating cart, removing item from cart, etc. This app also provides a checkout page, which contains necessary fields that are required for food delivery.
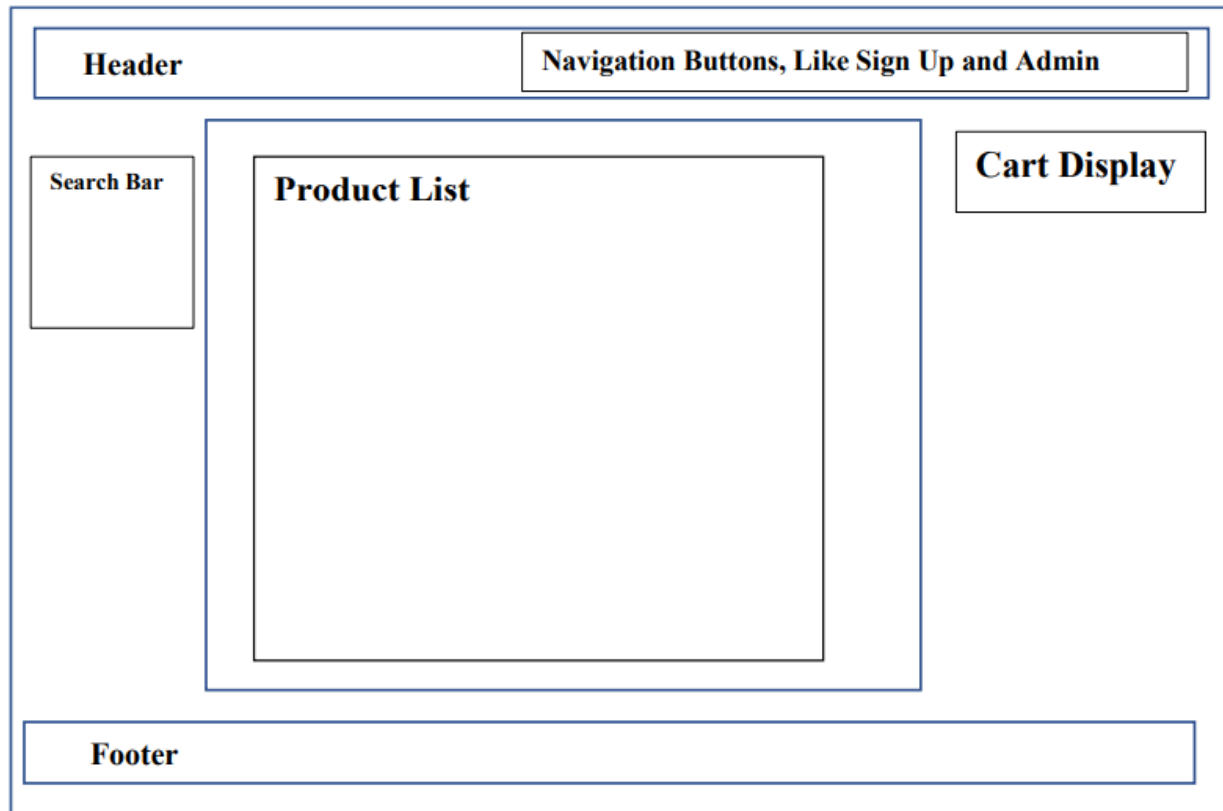
SOFTWARE REQUIREMENTS

The software requirements to support this web app are:

• Visual Studio Code

 • Angular

• Node.js

• Bootstrap

ARCHITECTURAL DESIGN OF THE APP AND DESIGN FLOW

The architectural design and the design flow of the web page is as shown:

• Create Angular Project Kitchen Story

• Install necessary packages using npm command, such as Bootstrap

• Create FoodModel Class with necessary fields.

• Create service (ng g s service/foodservice) for necessary static data inclusion and operations of Food Items

• Similarly, CartModel, CartService, MessengerService are created for necessary operations.

• Create AdminModel class and Adminservice for Admin Login purposes.

• Create necessary components (food, food-list, cart, cart-item, checkout, admin, admin food   list….) by using ng g c command and add logic to them.

• Run the project by using ng-serve command and type URL "localhost:4200" for the app to run.

Header	Navigation Buttons, Like Sign Up and Admin

Search Bar	Product List	Cart Display

Footer

EXECUTION

• The project can be implemented in the Visual Studio code terminal, having Command prompt.

• The code can be tested using the command 'ng test'.

• The code can be implemented using the command 'ng serve -o'.

• The running app can be stopped using 'CTRL+C' in the VS Code Terminal.