

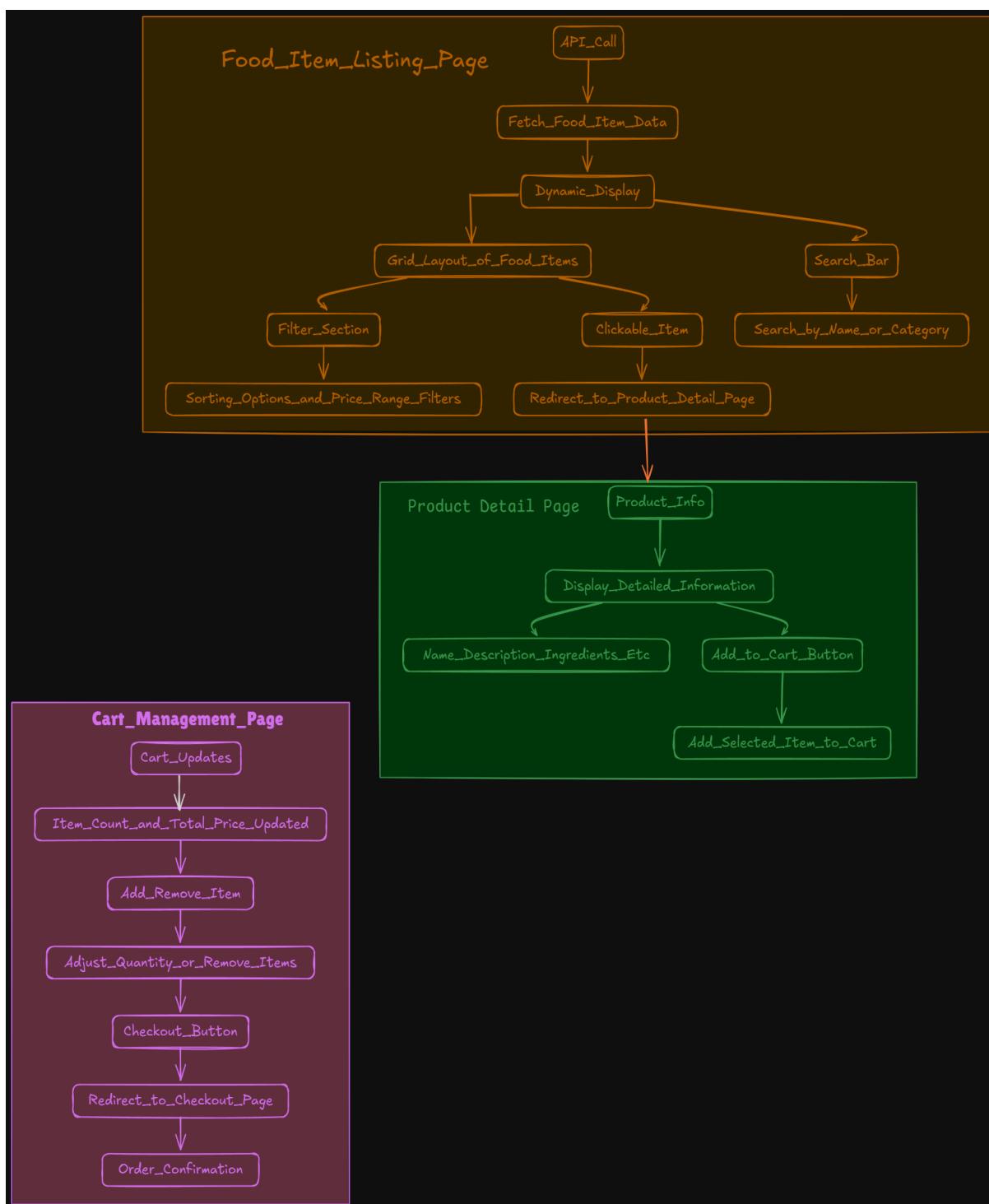
Day 4 - Dynamic Frontend Components

Report for FoodTuck

1. Introduction

This report outlines the development of dynamic and responsive frontend components for the FoodTuck website, focusing on:

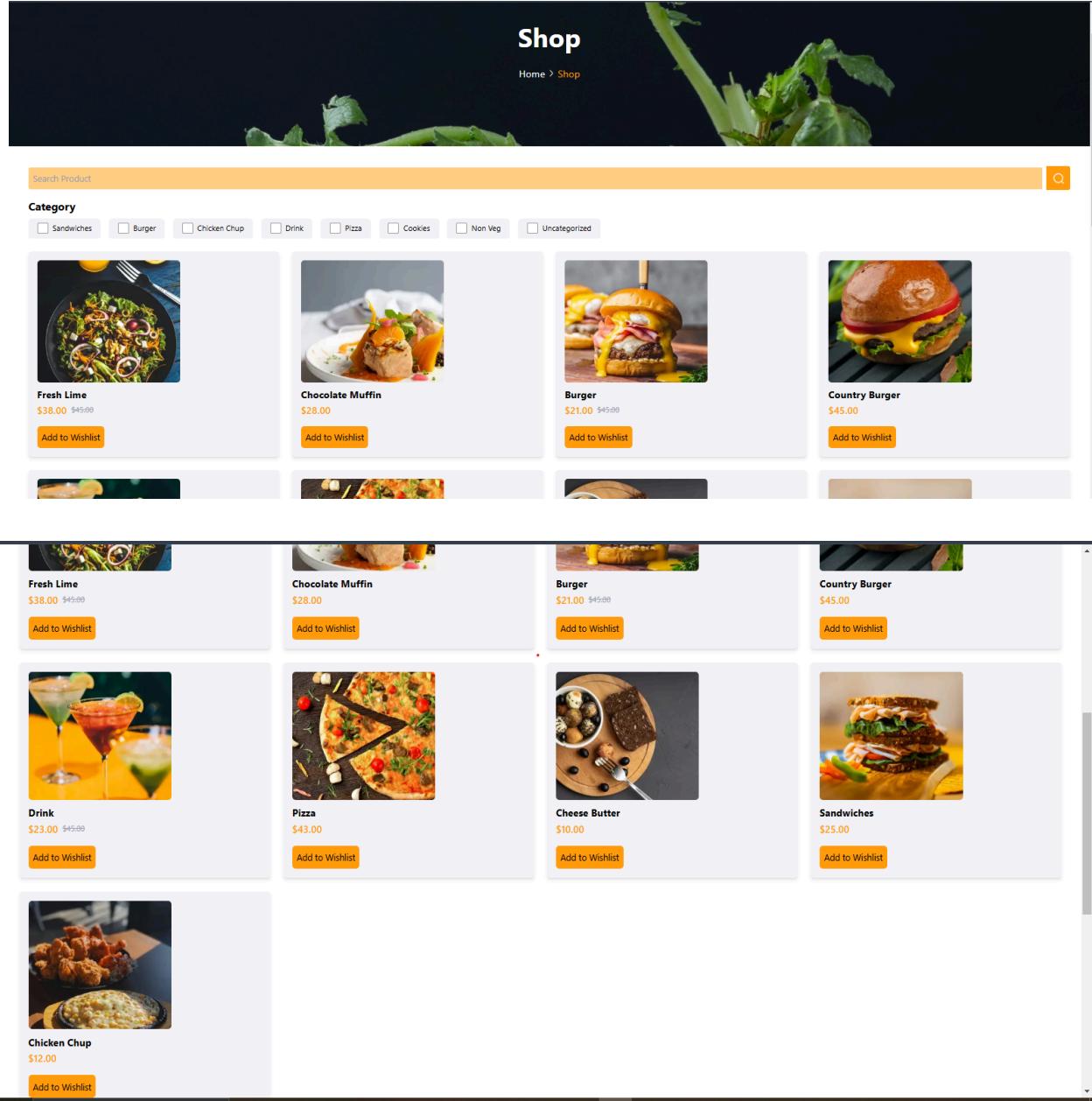
1. Displaying food items dynamically.
2. Integrating a search bar and filters.
3. Designing the Food Item Listing Page.
4. Adding a Product Detail Page for detailed food item information.
5. Building a functional cart to manage orders.



2. Tasks Overview

Step 1: Food Item Listing

- Dynamically fetched food item data from the API.
- Displayed food items in a responsive grid layout with names, descriptions, and prices.



Step 2: Product Detail Page

- Created a detailed view for each food item, with dynamic routing to display specific product information.
- Included detailed sections such as ingredients, nutritional information, and preparation instructions.
- Integrated an "Add to Cart" button that allows users to select the quantity and add items to their cart.
- Implemented user-friendly UI elements like "Quantity Selector" and "Add to Cart" confirmation to enhance the shopping experience.
- Displayed related food items or suggestions at the bottom to encourage further browsing.



In stock

← Prev Next →

Yummy Chicken Chup

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque diam pellentesque bibendum non dui volutpat fringilla bibendum. Urna, urna, vitae feugiat pretium donec id elementum.

\$54.00

★★★★★ 5.0 Rating | 22 Reviews

- 1 +

Add to cart

Dictum / Cursus / Risus

Description

Reviews (24)

Nam tristique porta ligula, vel viverra sem eleifend nec. Nulla sed purus augue, eu euismod tellus.

Key Benefits

- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- Maecenas ullamcorper est et massa mattis condimentum.
- Vestibulum sed massa vel ipsum imperdiet malesuada id tempus nisl.
- Etiam nec massa et lectus faucibus ornare congue in nunc.
- Mauris eget diam magna, in blandit turpis.

Similar Products



Fresh Lime
\$38.00 \$45.00



Chocolate Muffin
\$28.00



Burger
\$21.00 \$45.00



Country Burger
\$45.00

Step 3: Menu Page & Category Component

- Dynamically fetched and displayed food categories (e.g., appetizers, main courses, desserts) from the backend to enhance navigation.
- Integrated a clean, user-friendly menu layout to allow seamless browsing through different categories.
- Enabled filtering of food items by selected categories, improving the overall shopping experience.
- Added a responsive design for the menu, ensuring smooth functionality across both desktop and mobile devices.



Starter Menu

Fresh Lime	38\$
Refreshing fresh lime drink made with natural ingredients.	
Buy	
Burger	21\$
Juicy beef burger with fresh lettuce, tomatoes, and cheese.	
Buy	
Country Burger	45\$
Classic country-style burger served with fries.	
Buy	
Pizza	43\$
Delicious vegetarian pizza topped with fresh vegetables and cheese.	
Buy	
Chicken Chup	12\$
Crispy fried chicken bites served with dipping sauce.	
Buy	
Chocolate Muffin	28\$
Soft and rich chocolate muffin topped with chocolate chips.	
Buy	



[Buy](#)

Drinks

Fresh Lime	38\$
Refreshing fresh lime drink made with natural ingredients.	
Buy	
Burger	21\$
Juicy beef burger with fresh lettuce, tomatoes, and cheese.	
Buy	
Country Burger	45\$
Classic country-style burger served with fries.	
Buy	
Pizza	43\$
Delicious vegetarian pizza topped with fresh vegetables and cheese.	
Buy	
Chicken Chup	12\$
Crispy fried chicken bites served with dipping sauce.	
Buy	
Chocolate Muffin	28\$
Soft and rich chocolate muffin topped with chocolate chips.	
Buy	



Delicious vegetarian pizza topped with fresh vegetables and cheese.

[Buy](#)

12\$

Chicken Chup
Crispy fried chicken bites served with dipping sauce.

[Buy](#)

28\$

Chocolate Muffin
Soft and rich chocolate muffin topped with chocolate chips.

[Buy](#)



Professional Chefs

420



Items Of Food

320



Years Of Experienced

30+

Activate Windows
Go to Settings to activate Windows.

Step 4: Search Bar and Filters

- Designed a real-time search bar that allows users to quickly find food items by name, ingredients, or type.
- Integrated dynamic category filters, fetched from the API, to help users refine their search based on cuisine type, dietary preferences, or price range.

The screenshot shows a mobile application interface for a food delivery service. At the top is a search bar with the placeholder "Search Product" and a magnifying glass icon. Below it is a "Category" section with checkboxes for various food types: Sandwiches (unchecked), Burger (checked), Chicken Chup (unchecked), Drink (unchecked), Pizza (unchecked), Cookies (checked), Non Veg (checked), and Uncategorized (unchecked). A horizontal scroll bar is visible on the right side of the screen. Below the categories, there is a grid of four food items, each with a thumbnail image, name, price, and an "Add to Wishlist" button. The items are: Chocolate Muffin (\$28.00), Burger (\$21.00 / \$45.00), Country Burger (\$45.00), and Cheese Butter (\$10.00).

The screenshot shows a mobile application interface for a food delivery service. At the top is a search bar with the word "pizza" typed into it and a magnifying glass icon. Below it is a "Category" section with checkboxes for various food types: Sandwiches (unchecked), Burger (unchecked), Chicken Chup (unchecked), Drink (unchecked), Pizza (checked), Cookies (unchecked), Non Veg (unchecked), and Uncategorized (unchecked). A horizontal scroll bar is visible on the right side of the screen. Below the categories, there is a grid of food items, each with a thumbnail image, name, price, and an "Add to Wishlist" button. The item shown is Pizza (\$43.00). At the bottom of the screen, there is a "Your Wishlist" section and a black banner with the text "Activate Windows Go to Settings to activate Windows."

Step 5: Cart Functionality

- Developed a fully functional cart system that allows users to add, remove, and adjust the quantity of food items.
- Displayed a real-time summary of selected items, including names, quantities, prices, and total cost, to enhance the user experience.
- Implemented a secure checkout process, allowing users to review their cart and proceed with payment smoothly.
- Added a "Save for Later" feature, enabling users to temporarily remove items from the cart without losing them for future purchases.
- Enabled automatic updates to the cart when items are added, removed, or quantities are changed, ensuring real-time accuracy.

The screenshot shows the Foodtuck website's shopping cart page. At the top, there's a navigation bar with links for Home, Menu, Blog, Shop, Shop Details, ShoppingCart, Sign In, and Sign Up. A search bar and a cart icon (0) are also present. The main title "Shopping Cart" is centered above a list of items. Below the title, a breadcrumb navigation shows "Home > Shopping Cart". The cart table has columns for Product, Price, Quantity, Total, and Remove. It lists a "Chocolate Muffin" at \$28.00 and a "Pizza" at \$43.00, both with a rating of 4 stars. The total bill is \$77.00. There are sections for "Coupon Code" and "Total Bill". The "Coupon Code" section includes a text input for the code "Waji27" and an "Apply" button. The "Total Bill" section shows a breakdown: Cart Subtotal (\$71.00), Shipping Charge (\$6.00), and a Total Amount of \$77.00. A large orange "Proceed to Checkout" button is at the bottom.

Product	Price	Quantity	Total	Remove
Chocolate Muffin ★★★★★	\$28.00	<input type="button" value="-"/> <input type="text" value="1"/> <input type="button" value="+"/>	\$28.00	X
Product	Price	Quantity	Total	Remove
Pizza ★★★★★	\$43.00	<input type="button" value="-"/> <input type="text" value="1"/> <input type="button" value="+"/>	\$43.00	X

Coupon Code

Enter Here code

Total Bill

Cart Subtotal	\$71.00
Shipping Charge	\$6.00
Total Amount	\$77.00

Step 6: Checkout Successfully

- When the user clicks the Checkout button, it triggers the rendering of the checkout page, displaying a summary of their selected items.
- After the user adds their checkout details (shipping address, payment method), they can review the order and proceed to complete the purchase
- Display a detailed summary of the items in the cart, including quantities, prices, and total cost, so the user can verify their order before proceeding.

Step 7: Payment Process and Confirmation

- When the user reviews their order details and total amount (\$93.65), they can choose from three payment options: Credit/Debit Card, PayPal, or Cash on Delivery.
- After selecting their preferred payment method, users can verify their delivery information (address, contact details) which can be saved for future orders.
- The payment interface displays a transparent cost breakdown including sub-total (\$71.00), shipping (\$6.00), tax (\$10.65), and any applicable discounts (\$0.00).
- Upon confirming the payment, the system processes the transaction and generates an order confirmation, completing the purchase flow.

Order Details

Chocolate Muffin	Quantity:	Nan
Pizza	Quantity:	Nan
Sub-Total		\$71.00
Shipping		6.00\$
Discount		\$0.00
Tax		\$10.65.00
Total		\$93.65.00

Choose a Payment Method



Pay

[Back to Checkout](#)

Self-Validation Checklist for FoodTuck

This **Self-Validation Checklist** is meticulously designed to ensure that all the critical features and functionalities of your FoodTuck website are thoroughly tested and validated before going live. The checklist serves as a comprehensive guide to monitor the progress of each stage in the development process, from product selection and cart functionality to payment integration and order confirmation. By using this checklist, you can systematically ensure that each feature is working as expected and delivering an optimal user experience. It provides a clear structure to track tasks, identify any pending issues, and verify that all components are fully functional and ready for launch. Following this checklist will help you ensure that the website is not only technically sound but also meets the expectations of your users, creating a seamless and efficient online food ordering experience.

Step	Task	Status (Completed/Pending)	Comments
1. Food Item Selection	Ensure users can select and add food items to their cart from the menu.	Completed	All food items are dynamically loaded and can be added to the cart without issues.
2. Cart Functionality	Verify that users can view, update, and remove food items in the cart.	Completed	Cart updates in real-time, and users can modify quantities or remove items smoothly.
3. Search and Filters	Test search functionality and filters for proper categorization.	Completed	Filters and search work as expected, allowing users to easily find and refine their choices.
4. Checkout Page Rendering	Ensure the checkout page loads after clicking the checkout button.	Completed	Checkout page renders without delay, displaying all necessary order details.
5. Adding Checkout Details	Validate that users can input shipping details, payment methods, etc.	Completed	All input fields (shipping address, payment info) are functioning properly and validate user inputs.
6. Order Review	Verify users can review their order before final submission.	Completed	Users can review their cart contents, including quantities and total cost, before proceeding to payment.
7. Payment Gateway	Confirm payment gateway integration is functional and secure.	Completed	Payment gateway integration is seamless, with secure transactions being processed without errors.
8. Order Confirmation	Ensure users receive a confirmation message with an order ID and delivery info.	Pending	Awaiting final testing to ensure order confirmation, including order ID and delivery details, is displayed correctly..

. Conclusion

The dynamic frontend components for the FoodTuck website were successfully implemented, significantly improving the user experience. Key features such as responsive layouts, real-time product search and filtering, and a fully functional cart system have been integrated. These enhancements make navigation seamless and the ordering process more efficient. Screenshots of the final design validate the completed work and demonstrate the responsive, user-friendly interface.

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Slot: Saturday 9am to 12pm

Task Given By: Sir Ameen Alam

Class Teachers: Sir Muhammad Bilal Khan & Sir Aneeq Khatri