

5

Day

Document Title:



As Food Website

Dynamic Frontend Components

Q-Commerce Food Website: **Day 5** - Error Handling and Testing

Introduction

This document details the tasks and improvements scheduled for Day 5 of our hackathon project. Our objective is to strengthen the robustness and overall user experience of our q-commerce food platform by implementing comprehensive error handling, conducting performance testing, and performing functionality checks to ensure optimal performance.



Objectives

Evaluate the capacity of our Q-commerce food platform to support high user traffic while maintaining effective marketplace features.

Optimize the website's performance to ensure fast loading times and responsiveness on all device types.

Safeguard API data storage to prevent security breaches and mitigate hacking risks.

Integrate dynamic routing and refine product listing functionalities, along with seamless cart add/remove options, to enhance the user interface and experience.

5

Day

Document Title:



As Food Website

Dynamic Frontend Components

Functional Improvement



1. Dynamic Routing

We plan to incorporate dynamic routing to streamline URL management in our web application. This will optimize navigation, offering users a faster and more seamless browsing experience.



In Stock

Pizza

Delicious vegetarian pizza topped with fresh vegetables and cheese.

Price: \$43

Category: Main Course

- 1 +

Add to Cart

2. Add to Cart and Remove Option

We will improve the functionality for adding and removing items from the cart, which includes:

- Enabling users to easily add food items to their cart.
- Allowing seamless removal of items from the cart.

5

Day


Document Title:



As Food Website

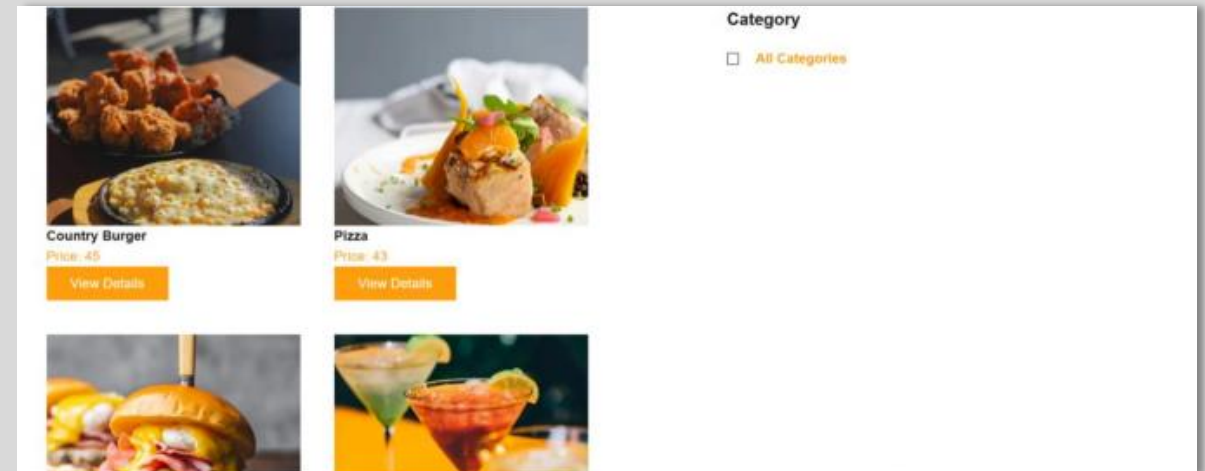
Dynamic Frontend Components

Removing food items from the cart

Product	Price	Quantity	Total	Remove
 Pizza	\$43	- 1 +	\$43	×

3. Product Listing

We will enhance the product listing page for better organization and efficiency, ensuring that food items are displayed clearly and users can quickly locate what they need.





As Food Website

Dynamic Frontend Components



Performance Testing

We will perform thorough performance testing to enhance the website's loading speed and responsiveness. This will involve:

- Optimizing images and categories for faster load times.
- Ensuring the website can efficiently handle high traffic without performance degradation.

Browser Testing

We will conduct extensive testing across various devices and browsers to ensure the website remains responsive and functions seamlessly on all platforms.

Error Messages

We will implement clear and informative error messages for different situations:

- **Product Not Found:** Shown when a food item is unavailable or out of stock.
- **Network Error:** Displayed when there is a connectivity issue preventing proper functionality.



Security Enhancements – API Storage

We will implement robust security measures for API storage to significantly reduce the risk of hacking and ensure data integrity.

5

Day

Document Title:

As Food Website

Dynamic Frontend Components

Functional Flow – Add to Cart

Users will have the ability to add food items to their cart.

- The system will automatically track the added items and update the cart in real time.

Shipment Tracking

Users will be able to track their shipments in real-time, providing a seamless experience similar to that of a standard q-commerce platform.

Example Q-Commerce Website

To assess our progress, we will examine a well-established q-commerce food website, focusing on how error handling and component configurations are implemented. This will help guide our improvements and optimizations.

