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

Introduction

This document outlines the tasks and improvements planned for Day 5 of our hackathon project. Our goal is to enhance the robustness and user experience of our q-commerce food platform by implementing comprehensive error handling, performance testing, and functionality checks.

Objectives

1. Validate the readiness of our q-commerce food platform for high traffic and marketplace functionalities.
2. Improve website performance and responsiveness across all devices.
3. Ensure secure storage of APIs to reduce hacking risks.
4. Implement dynamic routing, product listing, and add/remove cart options professionally.

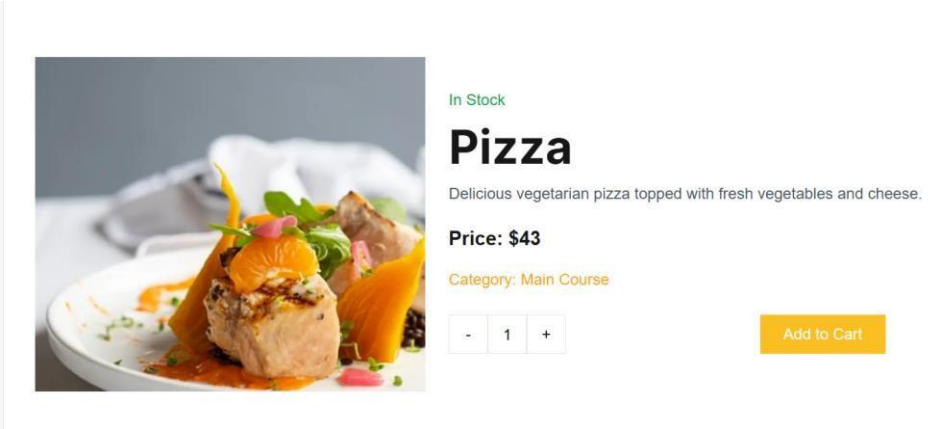
Functional Improvement 1. Dynamic Routing

We will implement dynamic routing to manage the URLs of our web application efficiently. This will ensure a smooth and fast navigation experience for users.

2. Add to Cart and Remove Option

The functionality to add and remove products from the cart will be enhanced. This includes:

- Adding food items to the cart.



- Removing food items from the cart.

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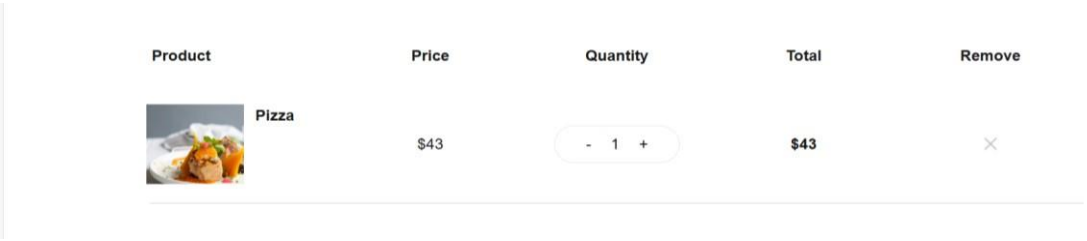
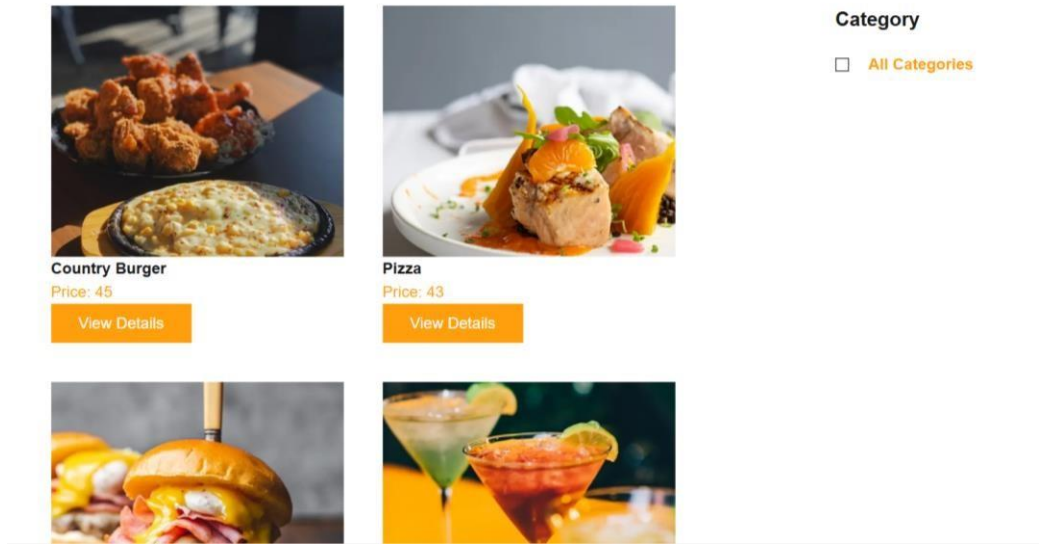


3. Product Listing

We will optimize the product listing page to display food items efficiently, ensuring that users can easily find what they are looking for.



Performance Testing

We will conduct performance testing to improve the loading times and responsiveness of our website. This includes:

- Optimizing images and categories.

- Ensuring the website can handle a high number of users without crashing.

Error Messages

Appropriate error messages will be added for various scenarios:

- Product Not Found: Displayed when the food item is out of stock.

- Network Error: Displayed when there is a connectivity issue.

Browser Testing

We will test the website on different devices and browsers to ensure it is responsive and functions correctly on all platforms.

Security Enhancements

API Storage

We will implement secure API storage to minimize the risk of hacking.

Functional Flow

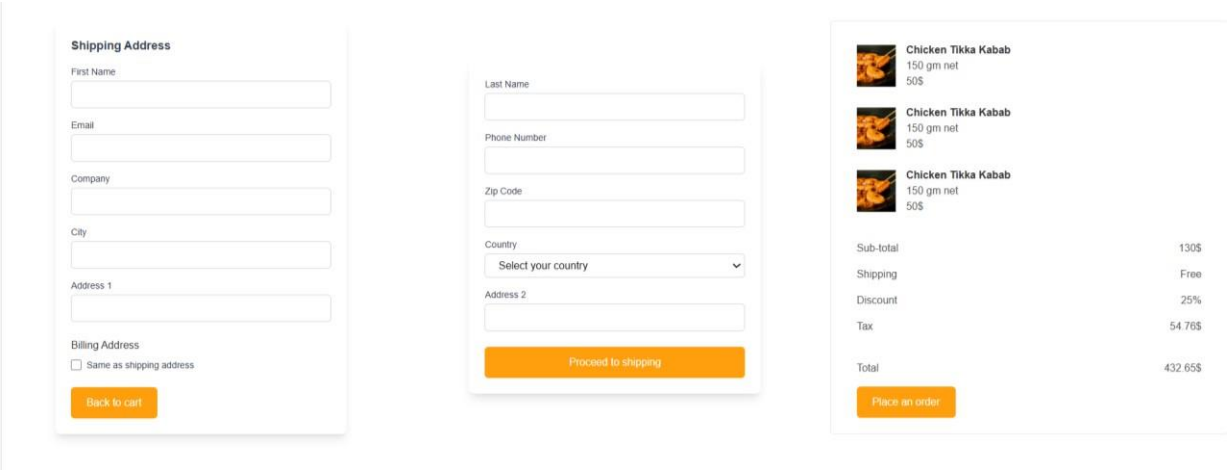
Add to Cart

- Users can add food items to their cart.

- The system will track the items and update the cart dynamically.

Shipment Tracking

- Users can track their shipments in real-time, similar to a real q-commerce platform.



Example Q-Commerce Website

To benchmark our improvements, we will analyze an existing q-commerce food website to understand how error handling and component settings are configured.