

Hackathon Day 1

Hackathon 2025 Day 1: Fast Food Marketplace Development Begins!

Excited to launch my journey of building a Fast Food Marketplace as part of the Marketplace Builder Hackathon 2025! On Day 1, I'm starting to create a platform that provides quick delivery (30-45 mins) of a wide variety of fast food items such as burgers, pizza, desserts, salads, Beverages and more!

Key Highlights:

Target Audience: Young professionals, students, families, and food lovers.

Key Features: Fast delivery, wide variety of food, easy ordering, and special deals.

Business Goals: Ensure on-time deliveries, offer diverse options, and increase customer loyalty.

Core Data: Users, restaurants, products, orders, payments, reviews.

Differentiation:

Multiple fast food restaurants in one platform.

Rapid delivery with real-time tracking.

Special combo deals for great value.

Date _____

- Special offers and combo deals tailored to customer preferences, ensuring great value for money.

6. What are the business goals for your marketplace?

Answer:

- The key business goals for the fast food marketplace are:
 - Ensure fast and reliable delivery: Guaranteeing meals are delivered within 30-45 minutes of order placement.
 - Offer a wide range of fast food options: Partner with popular fast food chains and local eateries to provide variety.
 - Increase customer retention: Through loyalty programs, personalized discounts, and exclusive offers.
 - Maximize convenience: Simplify the user experience by making ordering fast and intuitive.
 - Scale of business: Expand to new locations, add more restaurants, and increase customer engagement.

7. Core data structure:

- Users: User info, order history, and delivery addresses.
- Restaurants: Restaurant details, menu, pricing.
- Products: Food items with names, price.
- Orders: Order ID, customer id, cost and delivery status.
- Payments: Payment info, transaction IDs, and status.
- Promotions: Discounts, offers, and combos.
- Reviews: Customer feedback and ratings.

8. Relationship:

- User to orders: One-to-many (One user can place many orders).
- Order to Products: Many-to-many (Orders can have many products).
- Order to Payment: One-to-one (Each order has one payment).
- Order to Delivery: One-to-one (Each order has one delivery).

Q. Who is your target audience?

- Answer:
- The target audience for the fast food marketplace includes:
 - Young Professionals and students who are often looking for a quick meal during breaks or after work.
 - Families looking for easy, tasty, and affordable meal options.
 - Urban dwellers who prefer convenient food delivery without the hassle of cooking or going out.
 - Foodies who enjoy exploring a variety of fast food items from different brands and local vendors.
 - Late-night customers who seek food delivery after traditional restaurants are closed.

Q. What Products or Services will you offer in your marketplace?

- Answer:
- Burgers: classic burgers, juicy burgers and chicken burgers.
 - Pizzas
 - Salads
 - Juices
 - Desserts

Q. What will set your marketplace apart from others in the market?

Answer:

What will differentiate our marketplace is the quick access and variety it offers to fast food lovers. The key differentiators are:

- Multiple fast food restaurants on platform, enabling customers to explore a wide range of fast food options.
- Rapid delivery within 30-45 minutes through optimized logistics and real-time tracking.
- Easy ordering process with advance filtering, allowing users to quickly find their favorite dish or try something new.

Q. Who is your target audience?

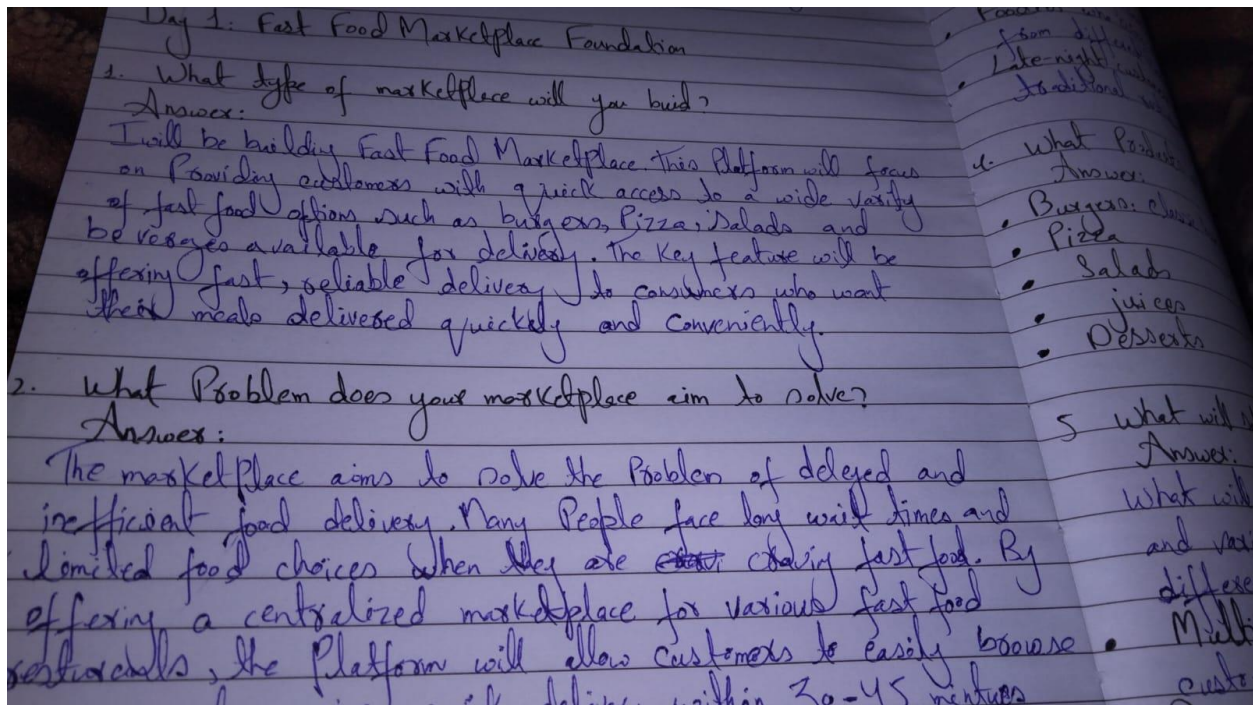
Answer:
The target audience for the fast food marketplace includes:
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Hackathon Day 2

Exploring the Marketplace System Architecture

Hackathon Day 2

From idea to implementation, here's how the pieces of our system come together:

Frontend (Next.js)

The user interface that ensures a seamless shopping experience—from browsing products to checkout.
Sanity CMS

A powerful content management backend, handling product data, order management, and customer information. Third-Party APIs

Integrations with payment gateways, shipping trackers, and authentication services to build a robust and reliable ecosystem.

Data Flow

User Actions → Frontend → Sanity CMS (Product data handling)

Order Processing → Third-Party APIs (Payment and shipping))

Admin Updates → Content Studio → Sanity CMS

Here's a visual representation of our architecture:

```

----- | Frontend (Next.js) | | - Product Listing | | - Shopping Cart | - Checkout Flow | | -----
--+-+----- | | API Calls ▼ -----+----- | Sanity CMS ----- |<---->| Content Studio | | -
Product Schema | | (Admin Interface) | | - Order Management | ----- | - Customer Data | -----
+----- | | Integration ▼ -----+----- | Third-Party APIs | | - Payment Gateway | | - Shipping
Tracker | | - Authentication | ----- Data Flow: 1. User → Frontend → Sanity CMS (Product
Browse) 2. Frontend → Sanity CMS → Third-Party APIs (Order Process) 3. Admin → Content Studio →
Sanity CMS (Content Management)
  
```

Hackathon Day 4 Foodtuck Website Documentation

Overview

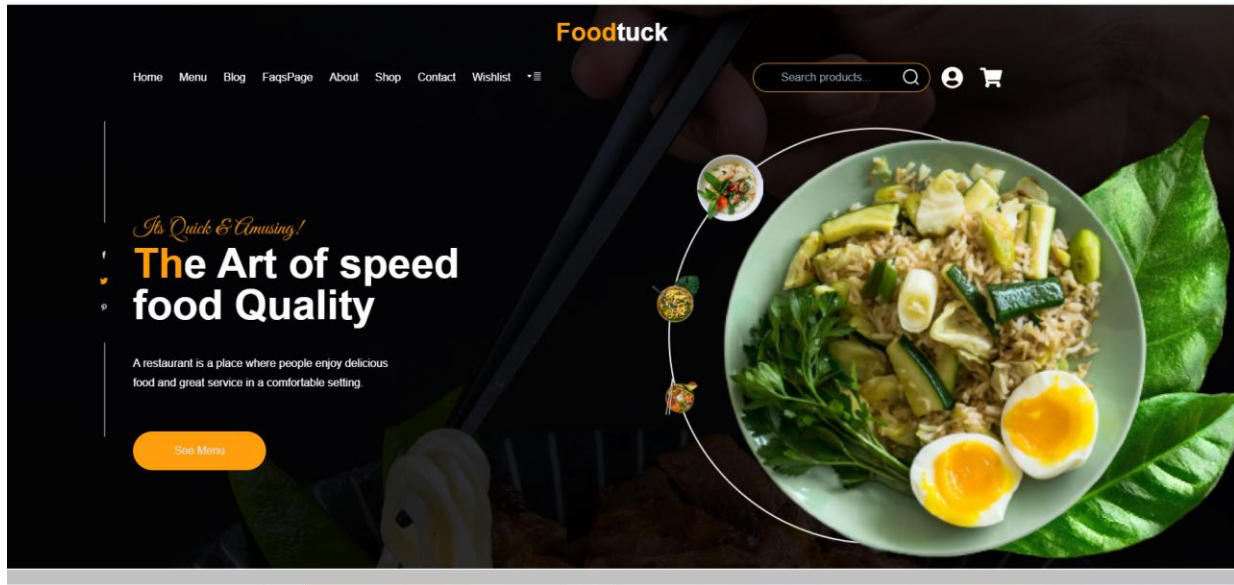
This document provides a detailed explanation of the components and functionalities of the Hackathon Day 4 website. The website offers users a platform to explore, shop, and interact with various features.

1. Home Page

Description: The home page serves as the main entry point to the website, showcasing featured products, promotional banners, and quick navigation links.

Key Features:

- - Attractive banner slider showcasing promotions.
- - Quick links to product categories.

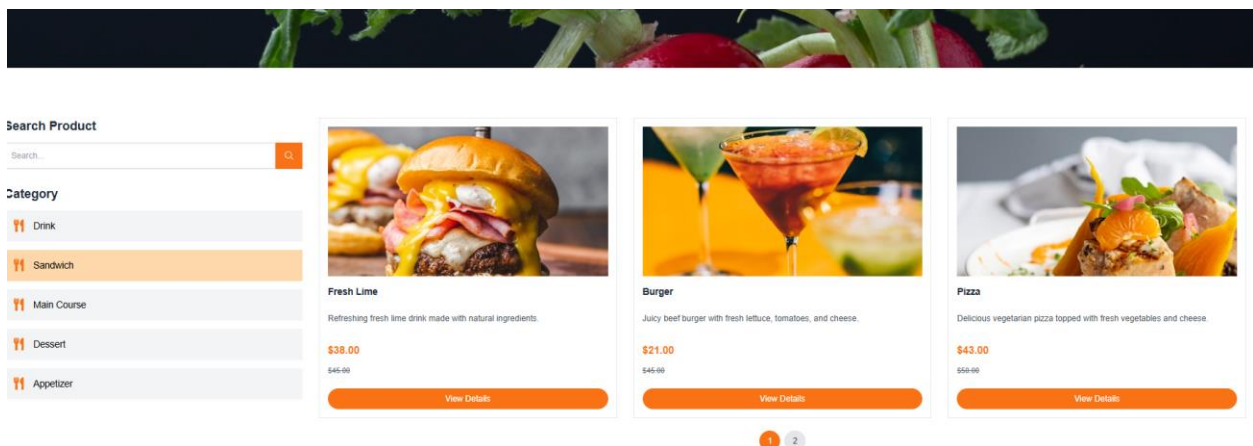


2. Product Listing Page

Description: This page displays a comprehensive list of products available for purchase, including filters and sorting options for user convenience.

Key Features:

- Product images, names, and prices.
- Filters for categories, price ranges, and brands.
- Sorting options (e.g., by popularity, price).

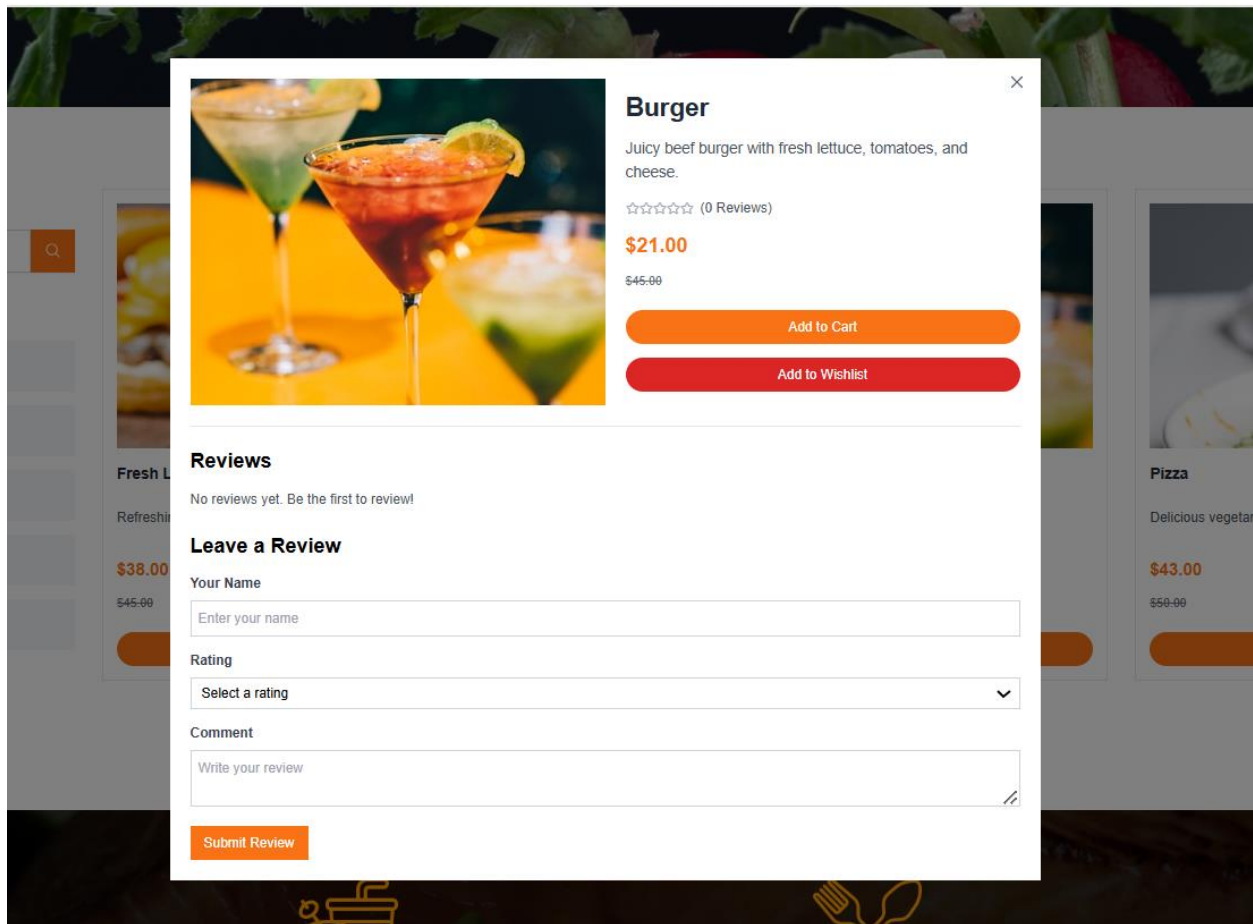


3. Product Detail Page

Description: Provides detailed information about a specific product when clicked on from the listing page.

Key Features:

- High-resolution images that users can zoom in on.
- Product descriptions, features, and specifications.
- Option to select quantity and add to cart.
- -User reviews and ratings.



4. Shopping Cart

Description: The shopping cart allows users to review selected items before proceeding to checkout.

Key Features:

- List of products added to the cart with images, quantities, and prices.
- Option to update quantities or remove items.
- Display of total cost and taxes.

<div> Home Menu Blog FAQ/Page About Shop Contact Wishlist </div> <div> <div>Search products...</div> <div> </div> </div> <div> <div>SHOPPINGCART</div> <div>Home > SHOPPINGCART</div> </div>				
Product	Price	Quantity	Total	Remove
Burger	\$21.00	- 2 +	\$42.00	X
Fresh Lime	\$38.00	- 1 +	\$38.00	X
Pizza	\$43.00	- 1 +	\$43.00	X
Country Burger	\$45.00	- 1 +	\$45.00	X

5. Checkout Page

Description:A user-friendly form for users to finalize their purchases by entering shipping and payment information.

Key Features:

- Multi-step form collecting shipping address, billing information, and payment details.
- Summary of items being purchased with total cost.
- Confirmation button to place the order.



Shipping Address

First name

Last name

Address

City

State

Zip Code

Country

Email address

Phone number

Payment Method

☐ Credit Card

☐ PayPal

Place an order

Cart Summary



Burger
2 x \$21.00
Total: \$42.00



Fresh Lime
1 x \$38.00
Total: \$38.00



Pizza
1 x \$43.00
Total: \$43.00



Country Burger
1 x \$45.00
Total: \$45.00

Sub-total	\$168.00
Shipping	\$0.00
Discount	-\$42.00
Tax	\$54.76
Total	\$180.76

6. User Authentication (Login/Signup)

Description: A secure login and signup system for users to create accounts and access their personalized profiles.

Key Features:

- Forms for login and registration.
- Password recovery options.
- User dashboard upon login for order history and profile management.



Sign In

Name

Email

Password

☐ Remember me?

[Sign In](#)

[Forgot password?](#)

OR

[Sign up with Google](#)

[Sign up with Apple](#)

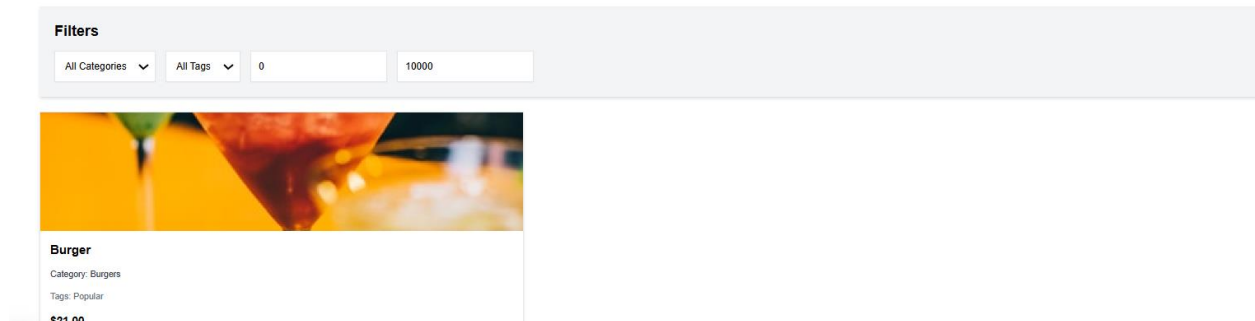
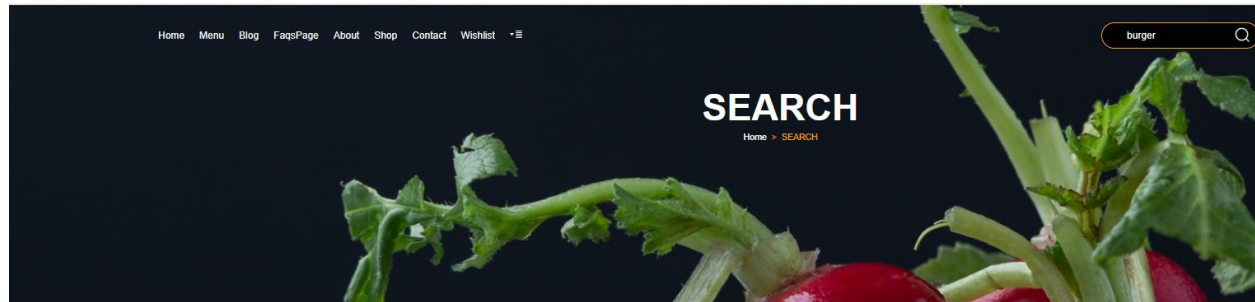
Dont have an account? [Sign Up](#)

7. Search Functionality

Description:A search bar allowing users to quickly find products based on keywords.

Key Features:

- Autosuggestions as the user types.
- Display results in real-time.
- Search filters to narrow down results.

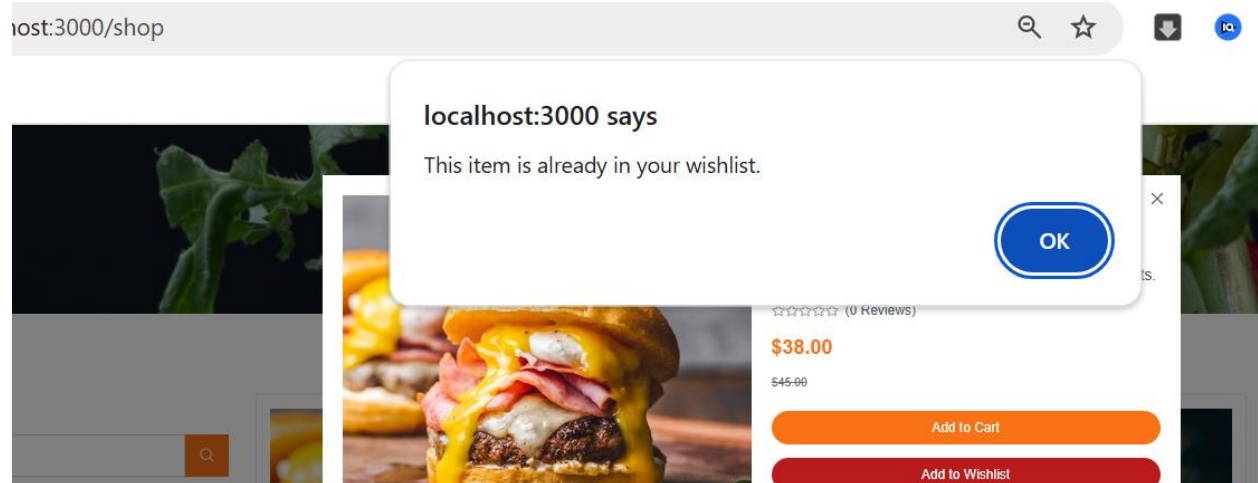


8. Notifications Component

Description: Provides users with alerts regarding their actions, such as successful logins, added items to the cart, or order confirmations.

Key Features:

- Toast notifications for quick alerts.
- Modal windows for important alerts.



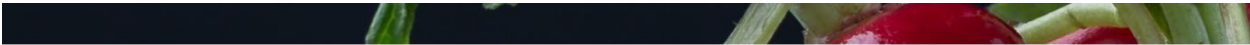
Day 5 - Testing, Error Handling, and Backend Integration Refinement

Objective:

Day 5 focuses on preparing your marketplace for real-world deployment by ensuring all components are thoroughly tested, optimized for performance, and ready to handle customer-facing traffic. The emphasis will be on testing backend integrations, implementing error handling, and refining the user experience.

1. Functional Testing

- Validate that all marketplace features work as intended.
- Test core functionalities like product listing, filters, and cart operations.



Search Product

Category

- Drink
- Sandwich
- Main Course
- Dessert
- Appetizer



Burger

Juicy beef burger with fresh lettuce, tomatoes, and cheese.

\$21.00

\$45.00

View Details



Country Burger

Classic country-style burger served with fries.

\$45.00

\$50.00

View Details

Search Product



Category



Drink



Sandwich



Main Course



Dessert



Appetizer



Pizza

Delicious vegetarian pizza topped with fresh vegetables and cheese.

\$43.00

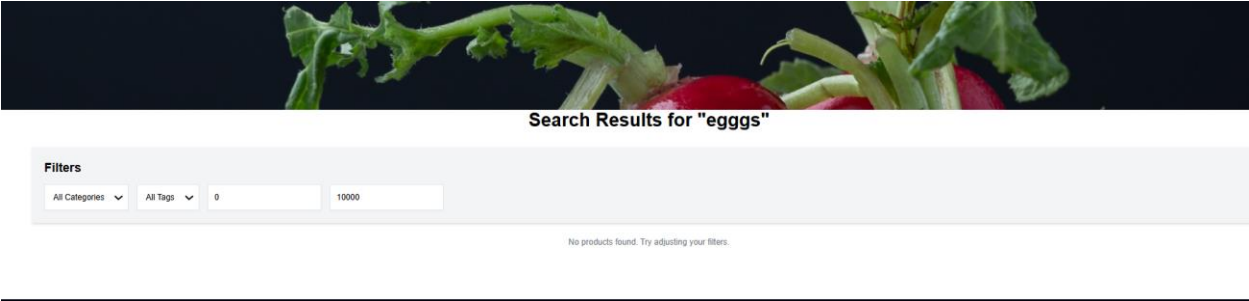
~~\$50.00~~

[View Details](#)

2. Error Handling

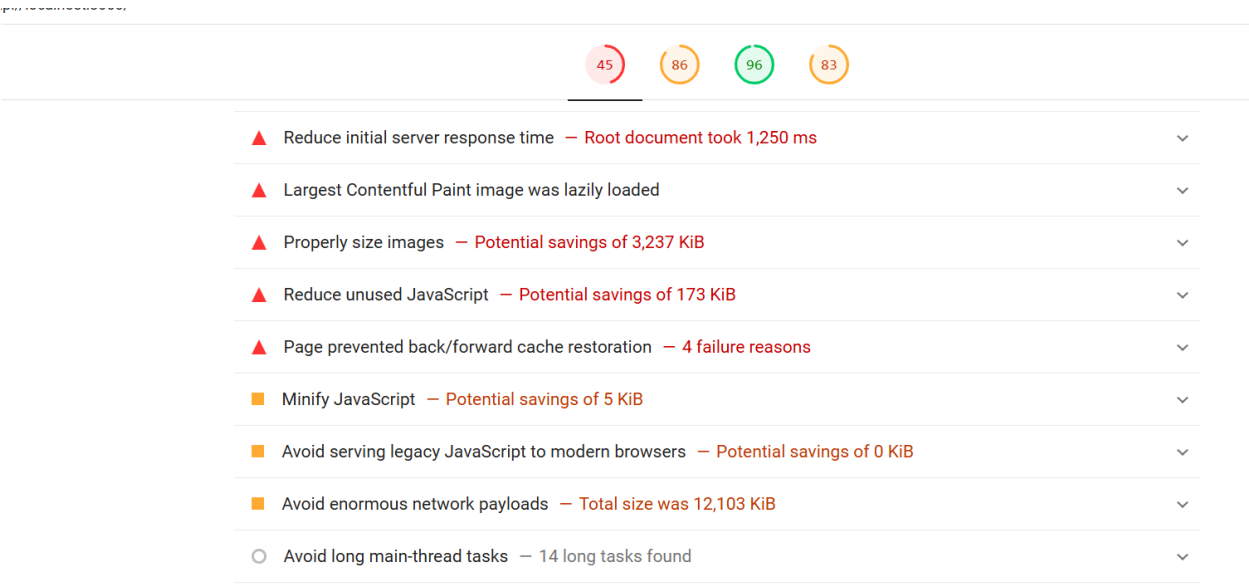
Implement proper error messages for network failures and invalid data.

Display fallback UI elements (e.g., "No products available" when the API returns no data).



3. Performance Testing

- Identify bottlenecks using tools like Lighthouse to ensure fast load times.
- -Optimize images and minimize JavaScript and CSS.





Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

NAMES AND LABELS

PASSED AUDITS (21)

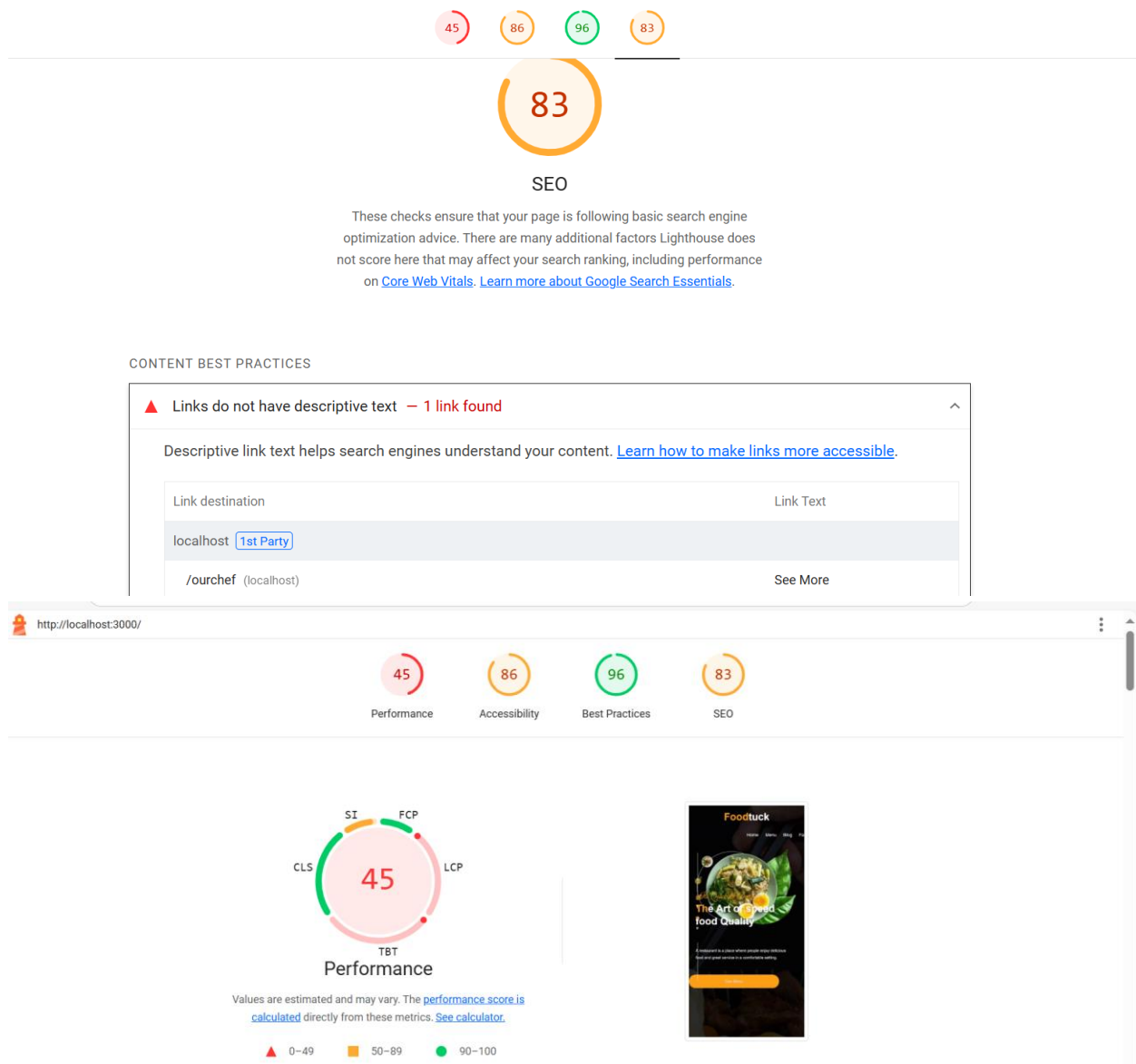
Show

NOT APPLICABLE (33)

Show

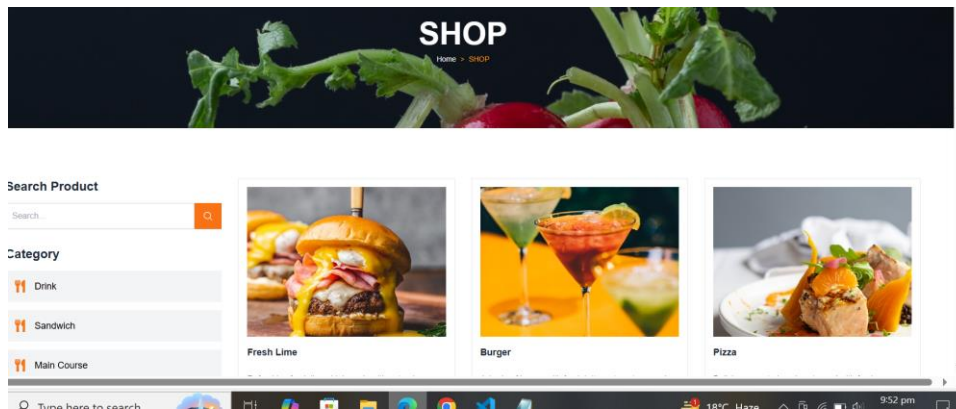


Best Practices



4. Cross-Browser and Device Testing

- Test your marketplace on popular browsers (Chrome, Firefox, Safari, Edge) and devices (desktop, tablet, mobile).

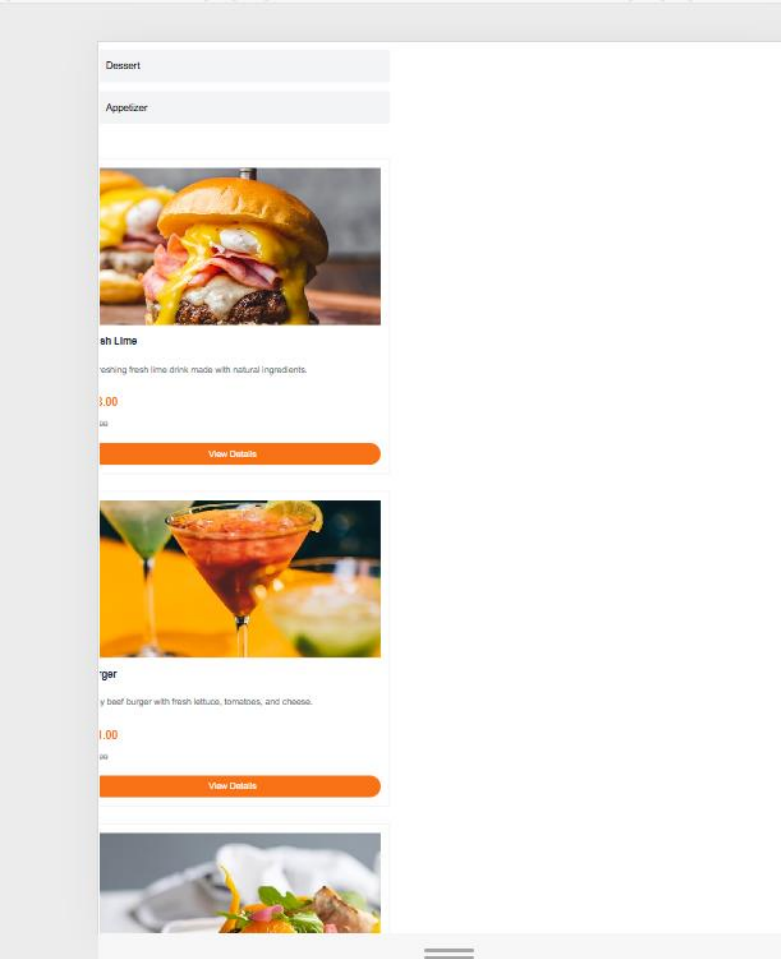


5. Security Testing

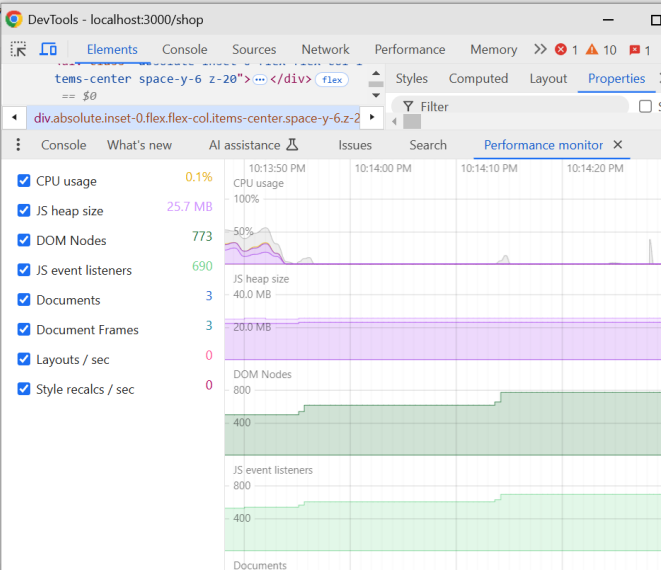
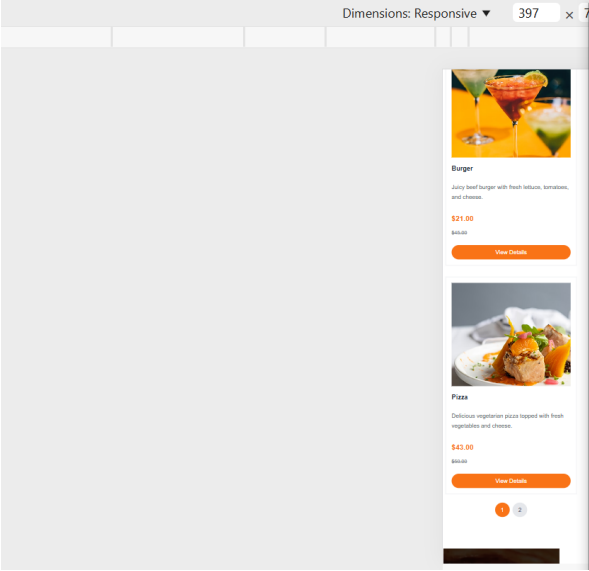
- Implement input validation to prevent injection attacks.
- Ensure secure API communication using HTTPS.

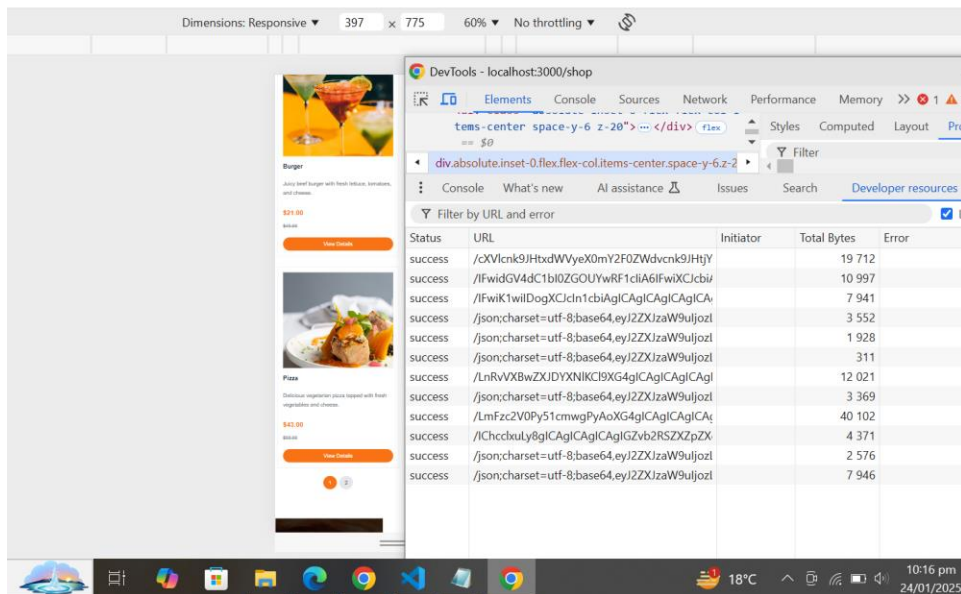
Chrome Desktop	No issues	-	N/A
Microsoft Edge	No issue	Normal	

-

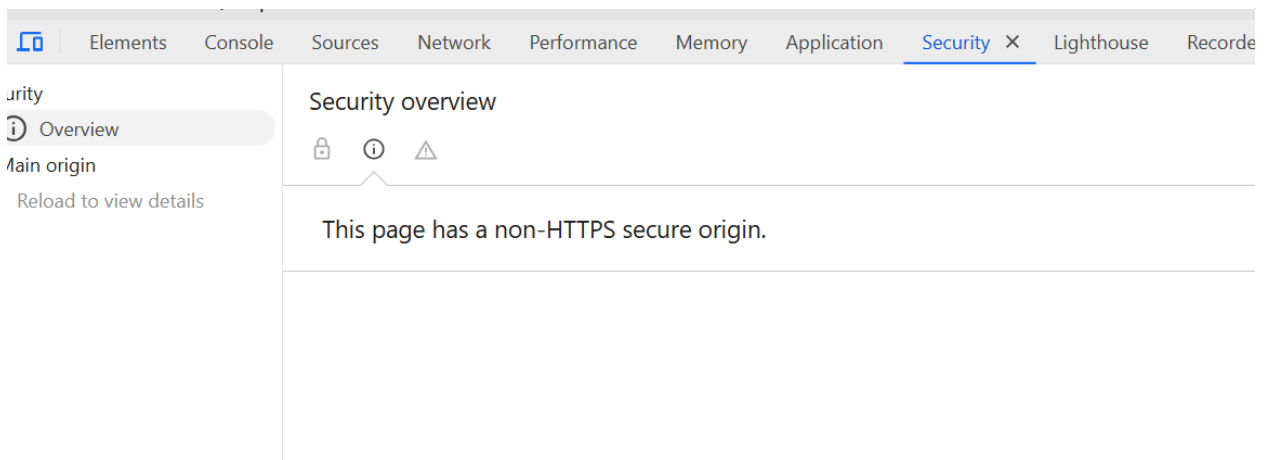


Developer Resources





Security



CSV structure

Test Case ID	Description	Steps	Expected Result	Actual Result	Status	Remarks
TC001	Validate product listing	Open product page > Verify products	Products displayed	Products displayed	Passed	No issues found
TC002	Test cart functionality	Add item to cart > Verify cart updates	Cart updates correctly	Cart updates correctly	Passed	Works as expected
TC003	Validate API error handling	Disconnect API > Refresh page	Fallback message shown	Fallback message shown	Passed	Handled gracefully
TC004	Test performance	Load home page > Measure load time	Load time < 2 seconds	Load time: 1.8 seconds	Passed	Optimized successfully
TC005	Check error messaging for invalid input	Enter invalid data in form > Submit	Error message displayed: Invalid input	Error message displayed: Invalid input	Passed	Proper error handling implemented
TC006	Test HTTPS enforcement	Access site using HTTP	Redirect to HTTPS site	Redirected to HTTPS site	Passed	Security measure in place
TC007	Validate responsiveness on mobile	Resize browser window to mobile view > Check layout	Layout adjusts properly	Layout adjusts properly	Passed	Responsive design verified
TC008	Test cross-browser compatibility	Test in Chrome, Firefox, Safari > Check for consistency	Consistent behaviour across browsers	Consistent behaviour across browsers	Passed	Cross-browser testing successful
TC009	Security validation for input fields	Attempt SQL injection in input fields	Error message displayed	Error message displayed	Passed	Input validation effective
TC010	Validate back-end integration	Submit form with valid data > Check DB	Data stored in database	Data stored in database	Passed	Backend integration confirmed
