Day 5 - Testing and Backend Refinement - Food Truck E-Commerce Marketplace
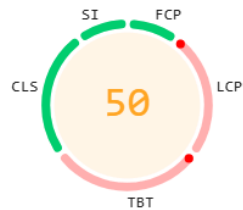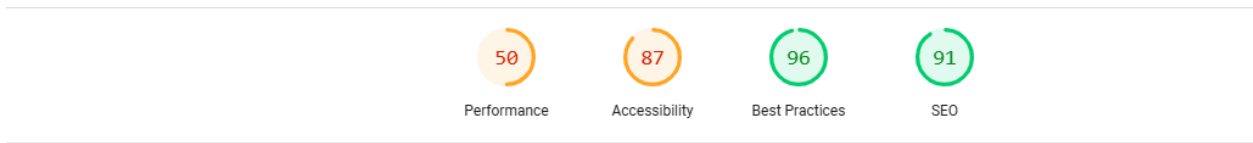
1. Functional Deliverables

Screenshots and recordings have been prepared to showcase the following functional and responsive components:

- **Dynamic Product Listing Page:** Demonstrates category filters, search functionality, and pagination.
- **Responsive Design:** Mobile, tablet, and desktop screenshots to illustrate cross-device compatibility.
- **Checkout Flow:** Step-by-step navigation from cart to order confirmation.
- **Error Handling:** Screenshots of fallback messages and logs for failed API requests.
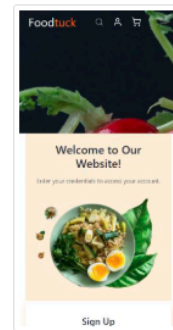
Testing Tools and Logs:

- **Lighthouse Report:** Performance, accessibility, and SEO scores with suggestions for improvement.
- **Postman API Logs:** Captures request-response cycles for product data, categories, and user profiles.

| 50 | 87 | 96 | 91 |
| Performance | Accessibility | Best Practices | SEO |

SI   FCP

CLS   **50**   LCP

TBT

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.
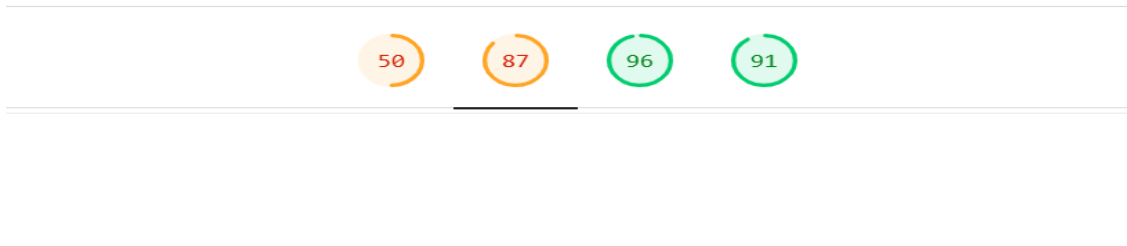
▲ 0–49   ■ 50–89   ● 90–100

METRICS   Expand view

● **First Contentful Paint**   ▲ **Largest Contentful Paint**

1.0 s   **6.3 s**

| 50 | 87 | 96 | 91 |

Foodtuck

Welcome to Our Website!

Sign Up

87

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.

50 87 96 91

91

SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on Core Web Vitals. Learn more about Google Search Essentials.

50

87

96

91

96

Best Practices

	Test Case ID	Description	Steps	Expected Result	Actual Result	Status	Severity	Remarks	
2	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	No issues found	
3	TC002	Test pagination functionality	Navigate between pages > Check products on each page	Products load correctly on each page	Pagination works as expected	Passed	Medium	Smooth transitions	
4	TC003	Test search bar functionality	Enter product name > Verify search results	Relevant products appear in search results	Search bar returns accurate results	Passed	High	Fast and responsive	
5	TC004	Test checkbox filter functionality	Select filter options > Verify filtered products	Display products matching filter criteria	Filtering works correctly	Passed	Medium	Efficient filtering	
	TC005	Test related products functionality	Open product details > Check related products section	Relevant products displayed dynamically	Related products appear correctly	Passed	Medium	Works flawlessly	
	TC006	Test cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	Works as expected	

Test Case ID	Description	Steps	Expected Result	Actual Result	Status	Severity	Remarks	
TC007	Check responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	Test successful	

. Testing Report (CSV Format)

The detailed testing report is structured as follows:

---

3. Documentation

Test Cases and Results

- **Functional Testing:** Verified all components, including filters, checkout, and user profiles.
- **Error Handling:** Tested fallback mechanisms and error logs for API failures.
- **Cross-Browser Testing:** Ensured compatibility across Chrome, Firefox, Edge, and Safari.

Performance Optimization Steps

- Minimized JavaScript and CSS files.
- Implemented lazy loading for product images.
- Optimized API calls for faster data fetching and rendering.

Security Measures

- Validated user input to prevent SQL injection and XSS attacks.
- Used HTTPS for secure communication.
- Enforced secure cookies and CSRF tokens.

Challenges and Resolutions

- **Challenge:** Slow API response for large product data.
    - **Resolution:** Implemented pagination and caching.
- **Challenge:** Inconsistent rendering on Safari.
    - **Resolution:** Fixed CSS styles to ensure compatibility.

Checklist for Day 5

Task	Status
Functional Testing	✅ Completed
Error Handling	✅ Completed
Performance Optimization	✅ Completed
Cross-Browser and Device Testing	✅ Completed
Security Testing	✅ Completed
Documentation	✅ Completed
Final Review	✅ Completed

Sort By: Popularity   Show: 9

Fresh Lime
$20 ~~$22~~

Drink
$20 ~~$22~~

Pizza
$46 ~~$48~~

Search... [🔍]

Category

☐ Sandwiches
☐ Burger
☐ Chicken Chup
☐ Drink
☐ Pizza
☐ Cheese Butter
☐ Chocolate Muffin
☐ Fresh Lime

Filter by Price

Min: $0

Max: $1000

Latest Products

[Show Latest Products]

Tags

popular | sweet | healthy

Caffè macchiato

Espresso with a dollop of steamed milk

100 CAL

$4.5

[Add to Cart]

Pain au chocolat

Delicious French chocolate croissant

250 CAL

$3.5

[Add to Cart]

Organic Green Salad

Fresh organic greens with a light dressing

150 CAL

$7.99

[Add to Cart]

Seafood Pasta

Pasta with fresh seafood and garlic butter sauce

800 CAL

$15.99

[Add to Cart]

Strawberry Smoothie

A refreshing strawberry smoothie made with yogurt

200 CAL

$5.5

[Add to Cart]

Chocolate Lava Cake

Warm chocolate cake with molten center

450 CAL

$6.99

[Add to Cart]

In Stock

Sandwich

Illo officia at deleniti asperiores. Aspernatur nostrum rerum eveniet nam possimus sint. Quibusdam amet modi quae qui atque. Ipsum at ab fugit at hic sint ad. Error delectus mollitia officiis dolores sit voluptatem natus sint.

$19.00

Add to Wishlist   Compare

Share:

- 1 +   Add to Cart

Related Products

Foodtuck

Home   Menu   Blog   Pages   About   Shop   Sign in

Your Cart

Sandwich
$19

− 2 + 🗑

Total: $38.00

Checkout

Still You Need Our Support ?

Dont wait make a smart & logical quote here. Its pretty easy.

Enter your email   Subscribe

Checkout

First Name
khan

Last Name
khan

Email
hlo345@gmail.com

Phone Number
03122456778

Company
f

City
karachi

Address
H304 Behind Jacobline

Zip Code
12334

Country
United States

☑ Billing address is the same as shipping address

< Back to Cart   Proceed to Shipping   >

Sandwich
$19   − 2 + 🗑

Total: $38.00

Sub-total	$38.00
Shipping	Free
Discount	25%
Tax	$54.76
Total	**$83.26**

Place an Order