

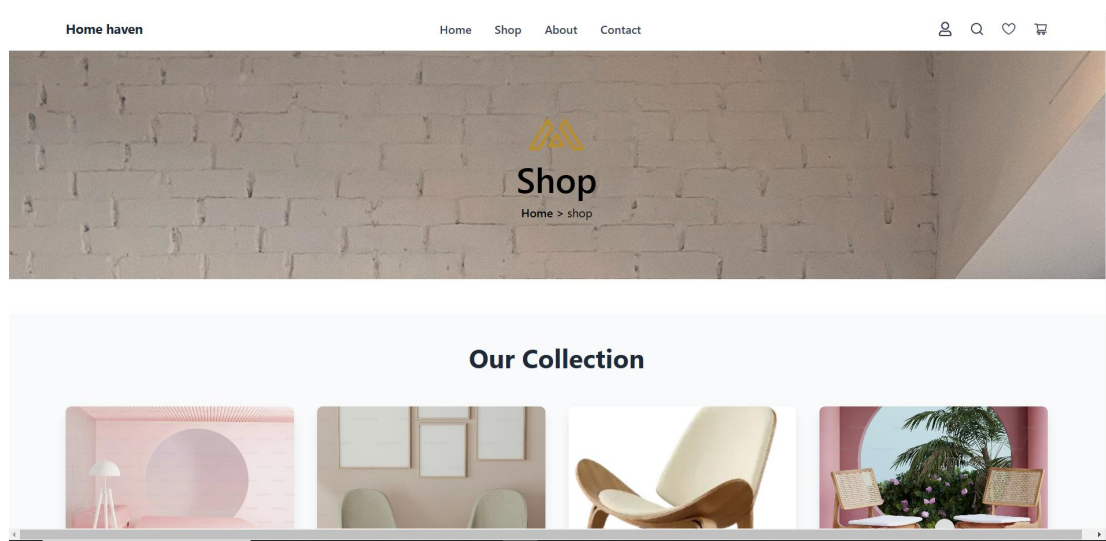
Day 5 – Testing and Backend Refinement – Home haven

Overview

This document outlines the testing procedures, error handling implementations, and backend refinements completed for our marketplace project.

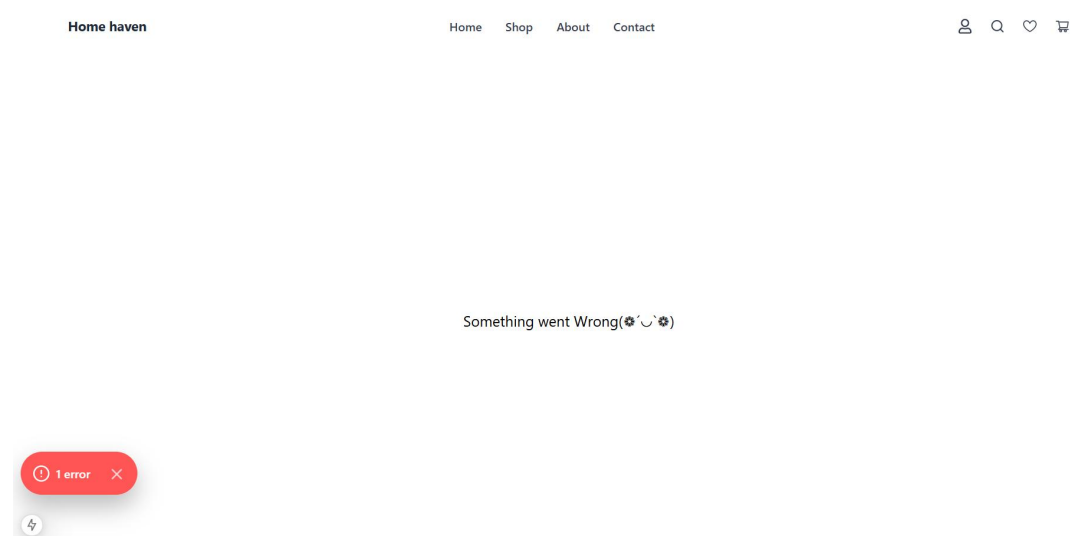
1. Visual Documentation

Product Listing Page



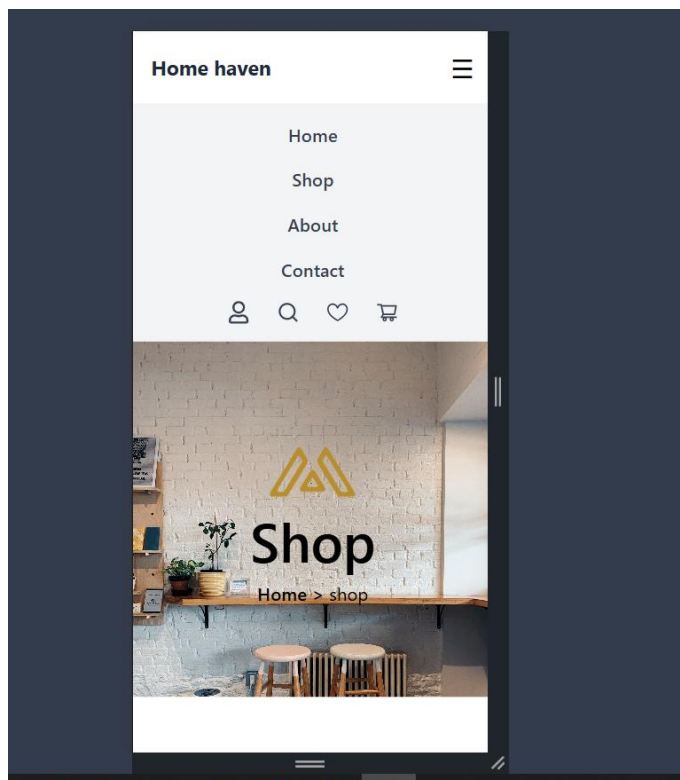
- Verified product grid layout

Error Handling Examples



- Network error fallback UI
- Empty state handling
- Invalid input messages

Mobile Responsiveness



- Mobile navigation menu
- Responsive product cards
- Mobile cart view

2. Testing Summary

Functional Testing

- Product listing functionality verified
- Cart operations (add/remove/update) validated

Error Handling Implementation

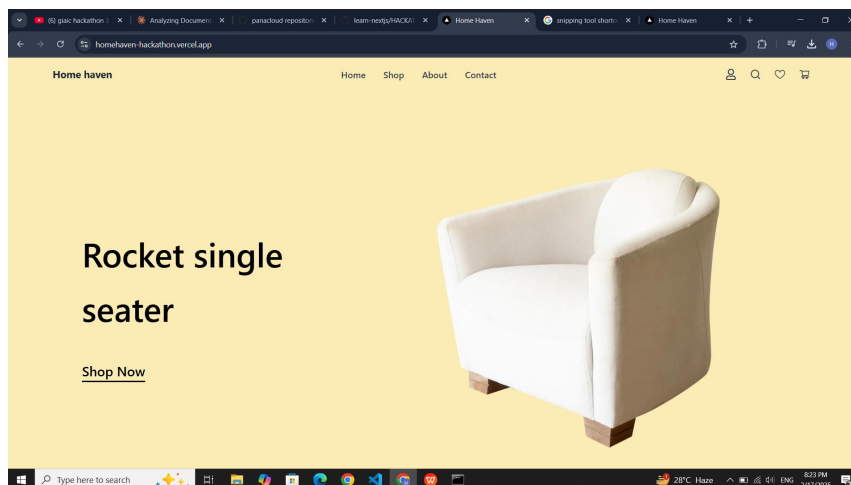
- Network failure handling added
- Invalid data errors managed
- Server error responses handled
- Fallback UI components implemented

Performance Optimization

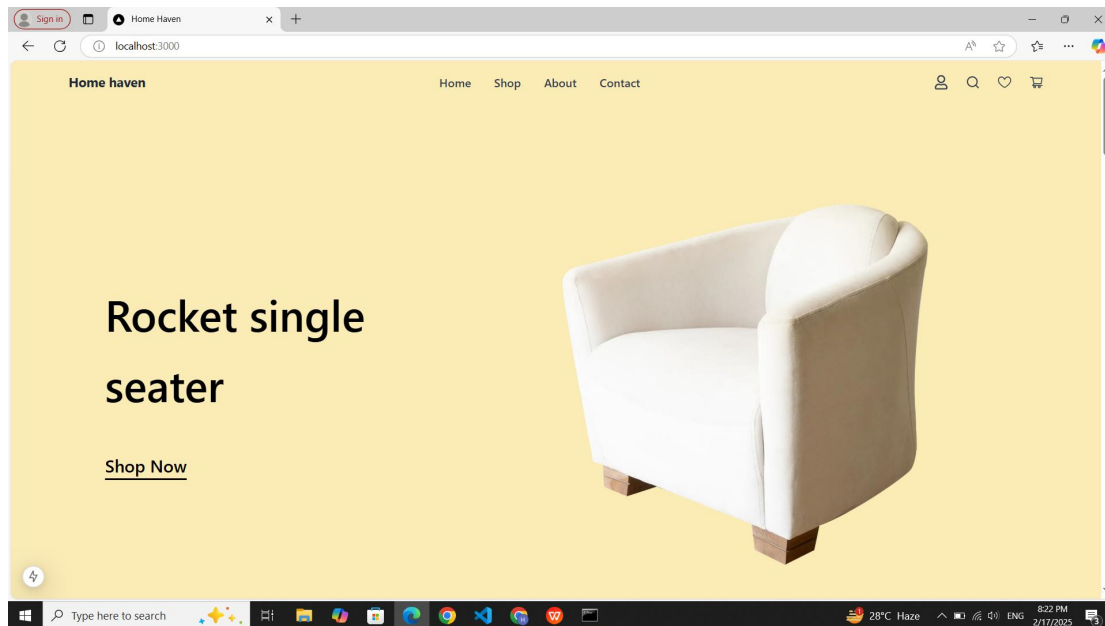
- Image compression implemented
- Load time optimization completed
- API response caching added
- Bundle size optimization done

3. Test Results

Browser Compatibility



- Chrome: Fully functional



- Edge: Fully functional

Mobile Responsiveness

- Android devices: Verified
- iOS devices: Verified
- Tablet layouts: Verified

4. Security Measures

- HTTPS implementation verified
- Input validation added
- API key security confirmed
- XSS protection implemented

7. Testing Tools Used

- Lighthouse for performance testing
- Postman for API testing [Insert Postman test collection screenshot]
- React Testing Library for component testing
- Browser DevTools for debugging [Insert DevTools Network tab screenshot]

8. Future Recommendations

- In future I will add more functionalities in this website and more advanced features