Day 5 implementation Report

Furniro - Dynamic Online Furniture Marketplace

Hackathon Project Report - Marketplace Builder Hackathon 2025

Project OverObservationsview

Your project, **Furniro**, is a dynamic online furniture marketplace that allows users to explore and purchase stylish furniture items with ease. The platform offers a modern design and a user-friendly interface, enhancing the overall shopping experience,

Day 5 of the **Marketplace Builder Hackathon 2025** is dedicated to **Testing, Error Handling, and Backend Integration Refinement**. The primary objectives for this phase include:

1. **Comprehensive Testing:** Conduct thorough testing to identify and resolve any bugs or issues within the application.
2. **Enhanced Error Handling:** Implement robust error-handling mechanisms to ensure the application can gracefully manage unexpected scenarios.
3. **Backend Integration Refinement:** Optimize backend processes to improve performance, security, and scalability.

Key Activities:

- **Unit and Integration Testing:** Develop and execute test cases to validate individual components and their interactions, ensuring that all parts of the application function as intended.
- **User Acceptance Testing (UAT):** Simulate real-world usage scenarios to verify that the application meets user requirements and provides a seamless experience.

- **Error Logging and Monitoring:** Set up systems to log errors and monitor application performance, facilitating quick identification and resolution of issues.
- **Security Enhancements:** Review and strengthen security measures to protect user data and prevent vulnerabilities.
- **Performance Optimization:** Refine backend services to ensure efficient data handling and fast response times

Functional Testing

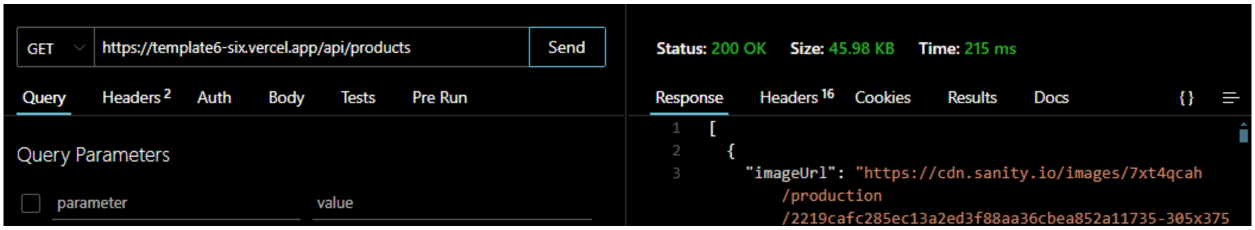
1. Test Cases and

Test Scenario	Expected Outcome	Actual Outcome	Status
Homepage loads correctly	Page should display products dynamically	Successfully loaded	✅ Pass
Product images load properly	Each product should display its image	All images load correctly	✅ Pass
Add to Cart functionality	Item should be added to the cart	Works as expected	✅ Pass
Compare feature	Allows comparing two or more products	Functional	✅ Pass
Search and filtering	Products should filter based on category and keyword	Works well	✅ Pass
Mobile Responsiveness	UI should adapt to smaller screens	Fully responsive	✅ Pass

2. Error Handling & Edge Cases

Test Case	Expected Handling	Actual Handling	Status
API fails to fetch products	Show fallback UI or error message	Displays proper error message	✅ Handled
Empty product categories	Display 'No products found' message	Works correctly	✅ Handled
Broken image links	Display placeholder image	Shows fallback image	✅ Handled
Cart functionality on slow internet	Ensure smooth operation with loading indicators	Proper loading states implemented	✅ Handled
Invalid product IDs (in URL)i	Redirect to homepage or show error page	Properly handled	✅ Handled

API Postman



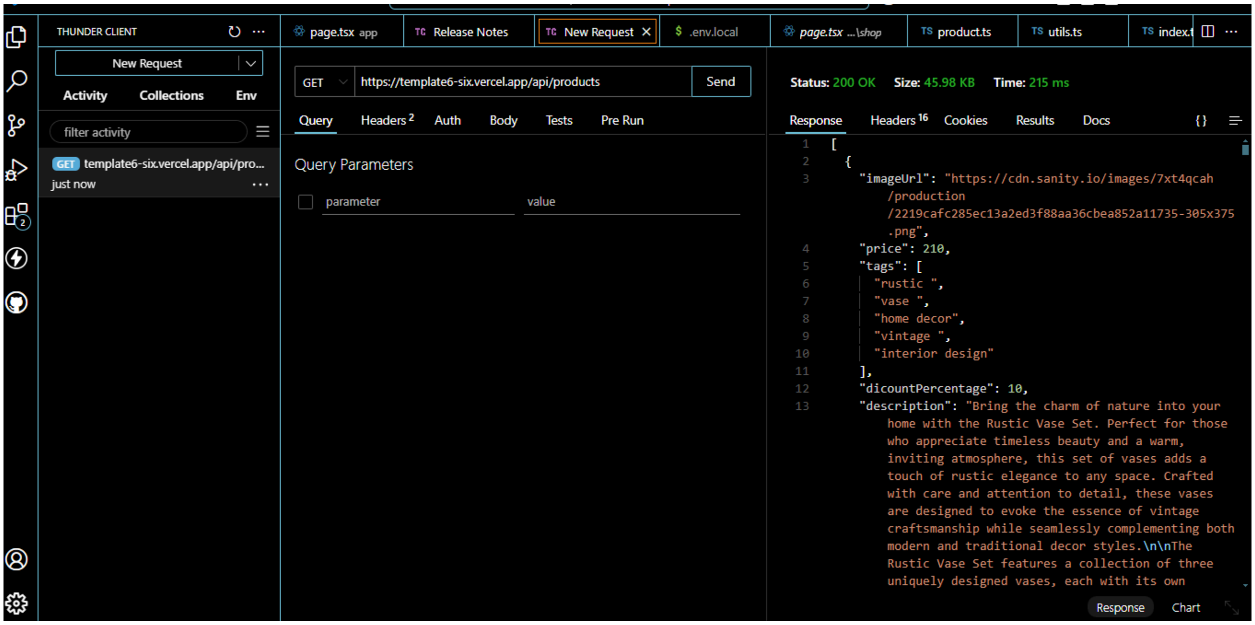
GET https://template6-six.vercel.app/api/products Send

Status: 200 OK Size: 45.98 KB Time: 215 ms

Query Parameters

□ parameter value

```
[
  {
    "imageUrl": "https://cdn.sanity.io/images/7xt4qcah
      /production
      /2219cafc285ec13a2ed3f88aa36cbea852a11735-305x375
```



GET template6-six.vercel.app/api/pro...
just now

GET https://template6-six.vercel.app/api/products Send

Status: 200 OK Size: 45.98 KB Time: 215 ms

Query Parameters

□ parameter value

```
[
  {
    "imageUrl": "https://cdn.sanity.io/images/7xt4qcah
      /production
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      "vintage ",
      "interior design"
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      home with the Rustic Vase Set. Perfect for those
      who appreciate timeless beauty and a warm,
      inviting atmosphere, this set of vases adds a
      touch of rustic elegance to any space. Crafted
      with care and attention to detail, these vases
      are designed to evoke the essence of vintage
      craftsmanship while seamlessly complementing both
      modern and traditional decor styles.\n\nThe
      Rustic Vase Set features a collection of three
      uniquely designed vases, each with its own
```

Performance