

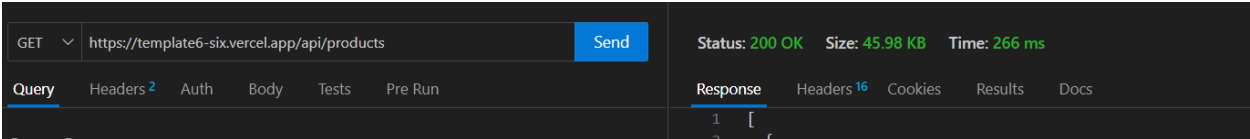
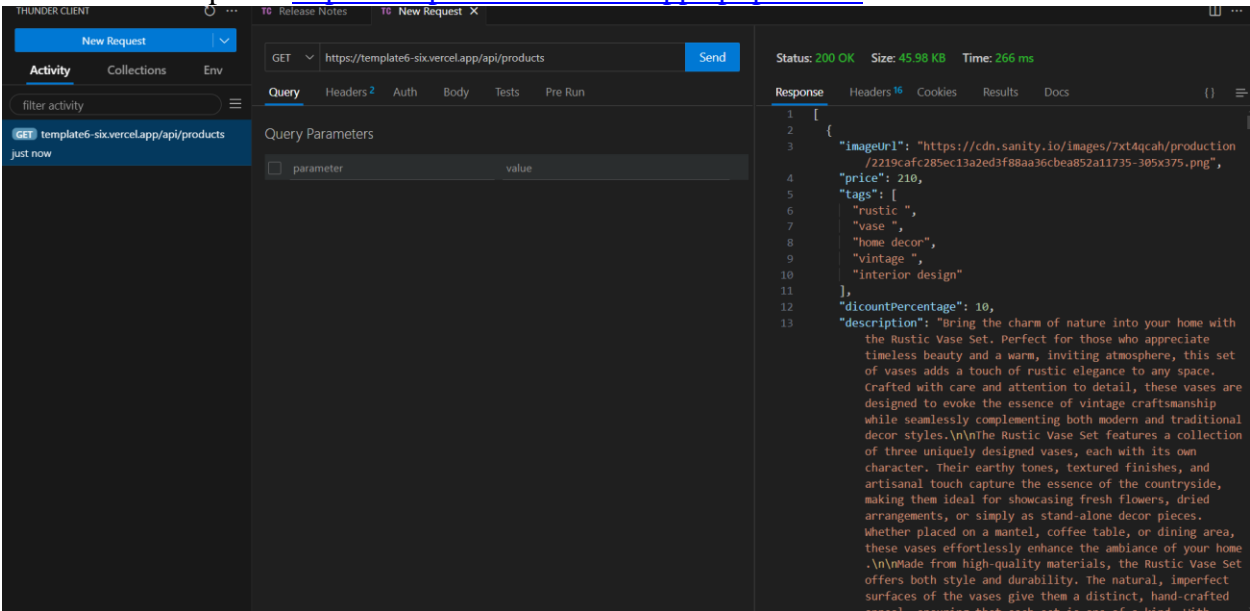
Market Place Builder Hackathon:

Day 5:

Focus: Testing Error Handling and Backend Integration Refinement

Steps Accomplished:

- 1. **Functional Testing:**
 - Conducted tests to ensure smooth and seamless user interactions.
 - Identified and resolved potential issues to improve user experience.
- 2. **Postman API Testing:**
 - Validated backend APIs thoroughly using Postman.
 - API Endpoint: <https://template6-six.vercel.app/api/products>



1. Error Handling:

- Implemented robust mechanisms to manage and log errors effectively.
- Enhanced reliability and stability by addressing edge cases.

TEST CASE

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level		Remarks
TC001	Functional Testing	Perform user interactions and validate functionality	User interactions work seamlessly	Smooth user interactions	Passed	High		No issues found
TC002	Error Handling Mechanisms	Simulate edge cases > Log errors	Errors are logged and handled gracefully	Errors managed effectively	Passed	Medium	-	Robust mechanisms implemented
TC003	Debugging and System Optimization Testing	Perform debugging on backend code	Backend code resolved critical issues System operates efficiently after debugging	Debugging resolved critical issues				Debugging and optimization successful
TC004	Backend API Validation using Postman	Test API endpoint: https://template6-six.vercel.app/api/products	API responds with valid data	API response is accurate	Passed	High	-	API thoroughly tested using Postman
TC005	Optimization Testing	Measure system response times > Optimize backend code	Improved performance and faster response times	System optimized	Passed	Medium	-	Performance improved significantly
TC006	Ensure Edge Case Handling for Backend	Test backend with unusual input scenarios	Backend handles edge cases without crashes	Stability ensured during edge cases	Passed	High	-	Backend stability confirmed

2. Optimization:

```

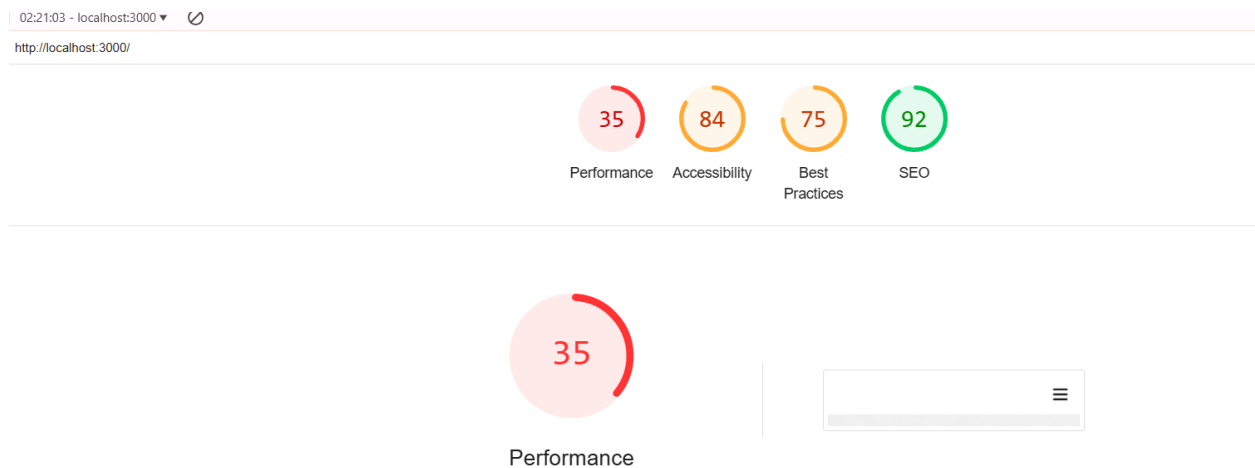
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\HP\Desktop\hackaton-main - Copy>
● cd hackaton-main
● PS C:\Users\HP\Desktop\hackaton-main - Copy\hackaton-main> npm install -g lighthouse

changed 164 packages in 44s

11 packages are looking for funding
  run `npm fund` for details
○ PS C:\Users\HP\Desktop\hackaton-main - Copy\hackaton-main> npm fund

```

- Improved system performance for faster response times.
- Refined backend operations to handle data efficiently.





TRUST AND SAFETY

- ☐ Ensure CSP is effective against XSS attacks

PASSED AUDITS (11)

NOT APPLICABLE (2)

This comprehensive approach ensures a robust backend and a seamless user experience for the Market Place Builder application.