

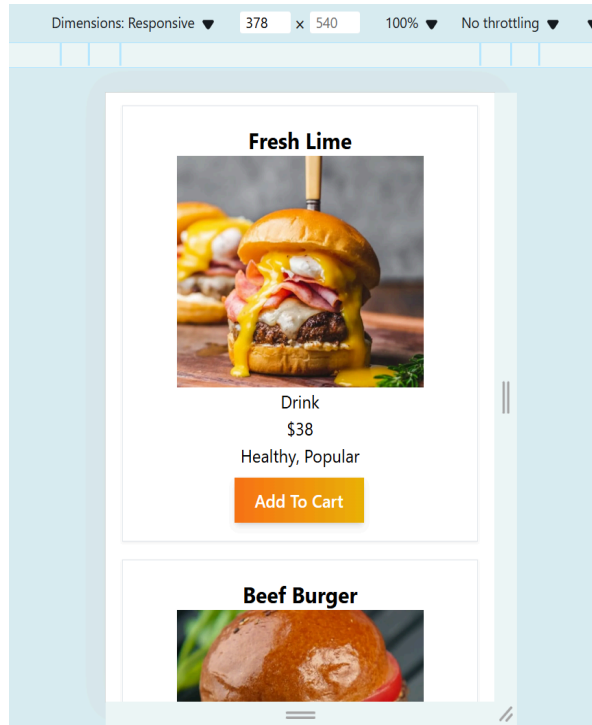
Hackathon 3  
**Marketplace builder**

# Day 05 : Testing , Error Handling , And Backend Integration Refinement

## Step 01 : **Functional Testing :**

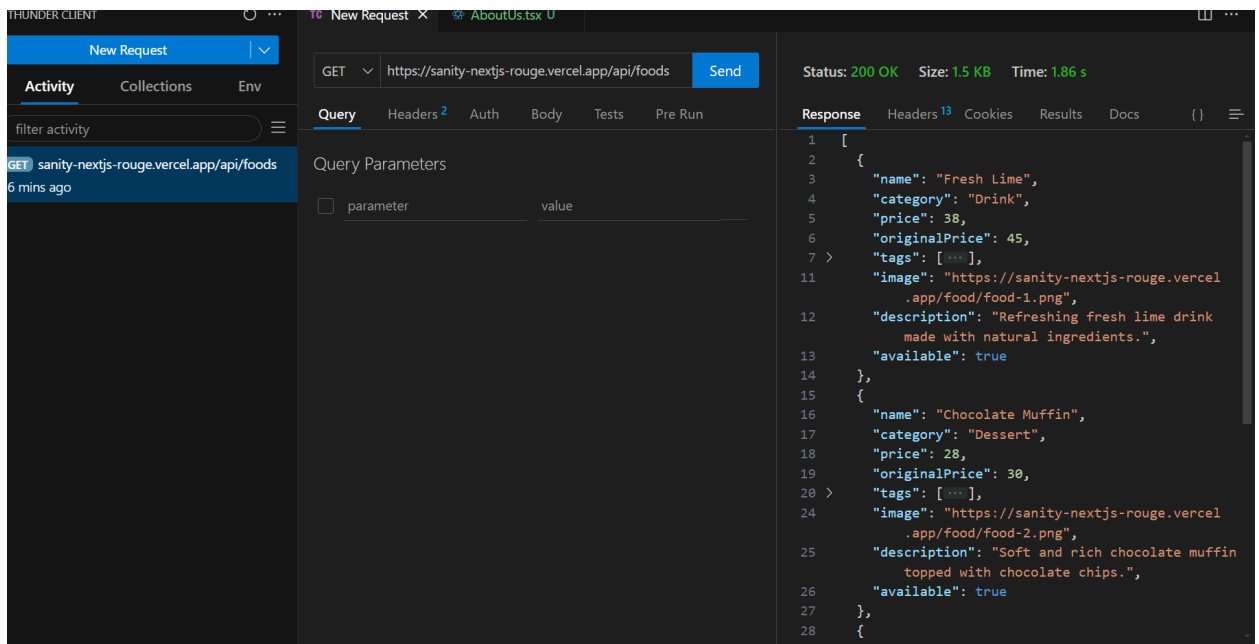
1. Product management :
  - Products are displayed correctly on the marketplace.
  - Product details such as price , and description are accurate.
2. Order management :
  - Users can place order successfully
  - Order details such as order quantity and total cost are accurate.
3. Search and filtering :
  - Search functionality works correctly
  - Users can search products on the basis of name , tags and category
4. Cart and Checkout :
  - Users can add and remove products from cart
  - Cart totals are calculated correctly
  - Checkout process works correctly
5. Responsiveness :
  - My website's dynamic pages are fully responsive according to world class devices.
  - Flexible grid system is used to ensure that the layout adapts to different screen sizes and orientations .
  - Media queries are used to apply different styles and layouts based on different screen sizes and devices.

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## Step 02 : **Postman API :**

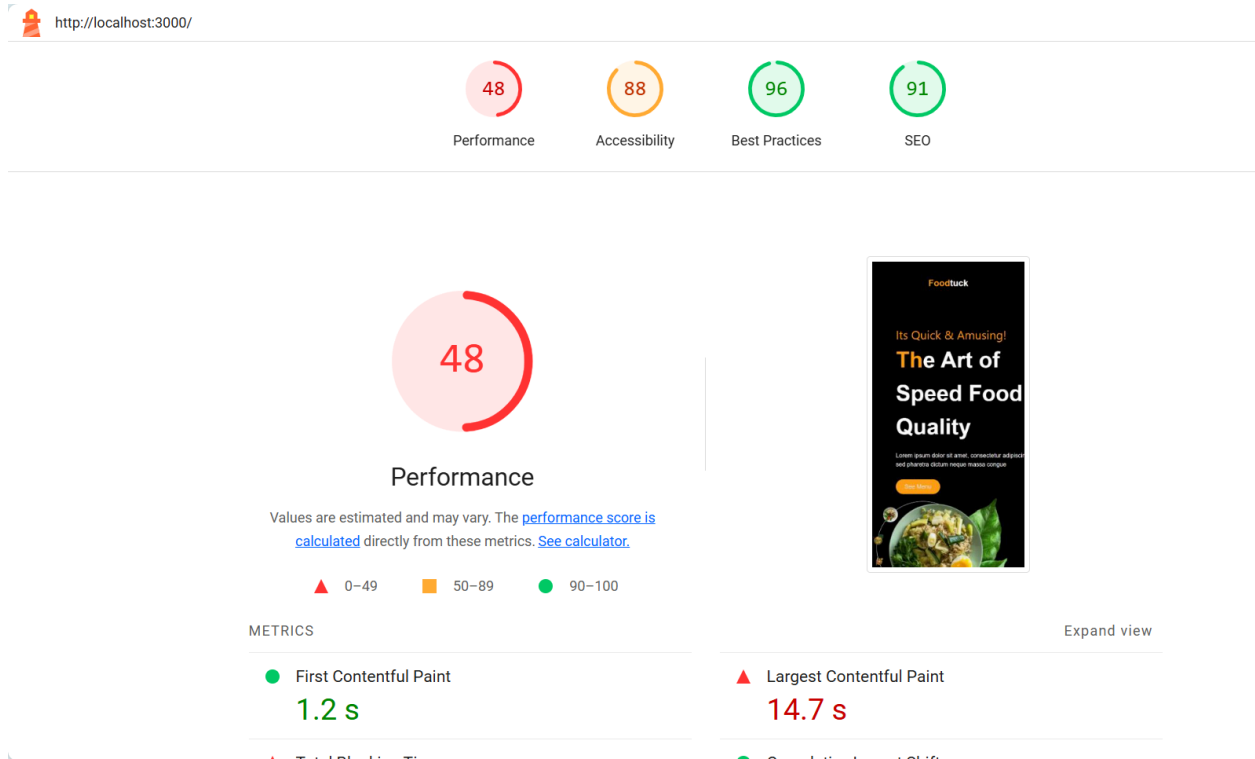
- Our API endpoints are functioning correctly and returning the expected responses.



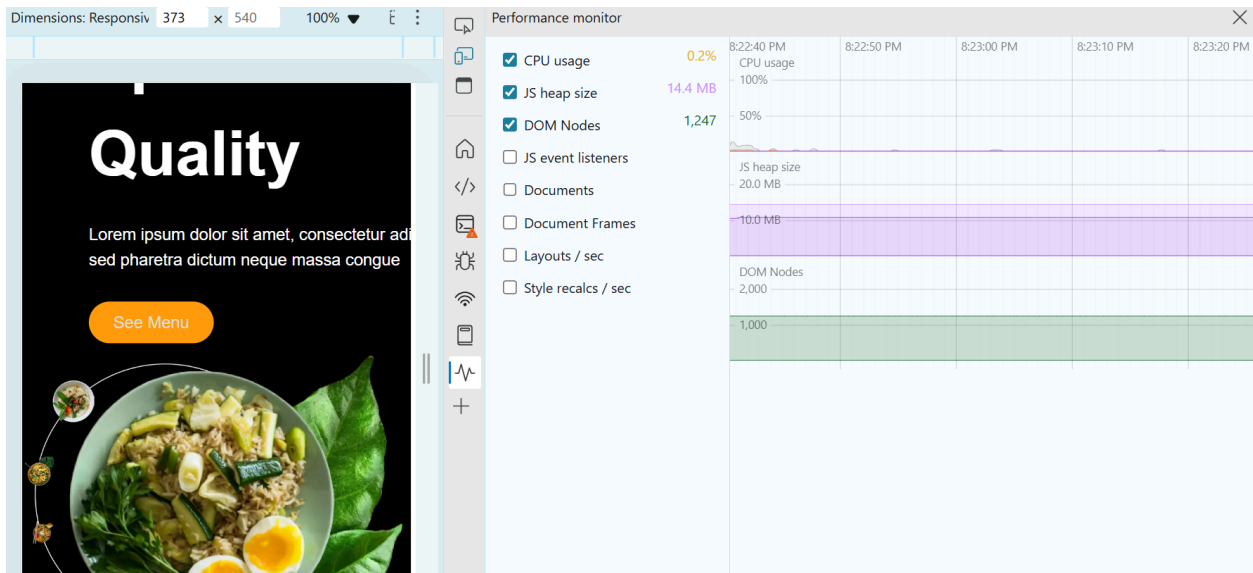
## Step 03 : Test Report :

1	Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
2	TC001	Validate product listing page	Open shop page > Verify products	Products displayed correctly	Products displayed correctly	Passed	High	—	No issues found
3	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	—	Handled gracefully
4	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	—	Works as expected
5	TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	—	Works as expected

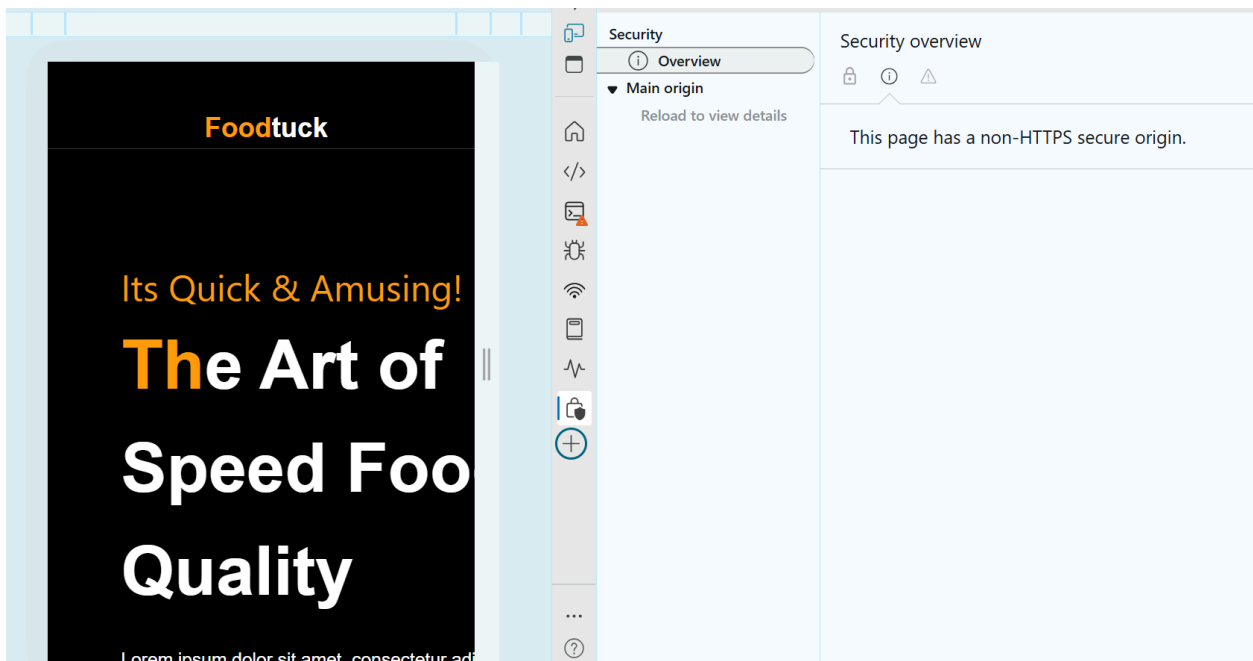
## Step 04 : Performance Optimization :



## Step 05 : Performance Monitor :



## Step 06 : Security :



## Conclusion :

In conclusion , this document has outlined the testing and backend integration strategies for our Q-commerce marketplace. Through a combination of functional testing API testing, we have ensured that our marketplace is robust, reliable and provides a seamless user experience.