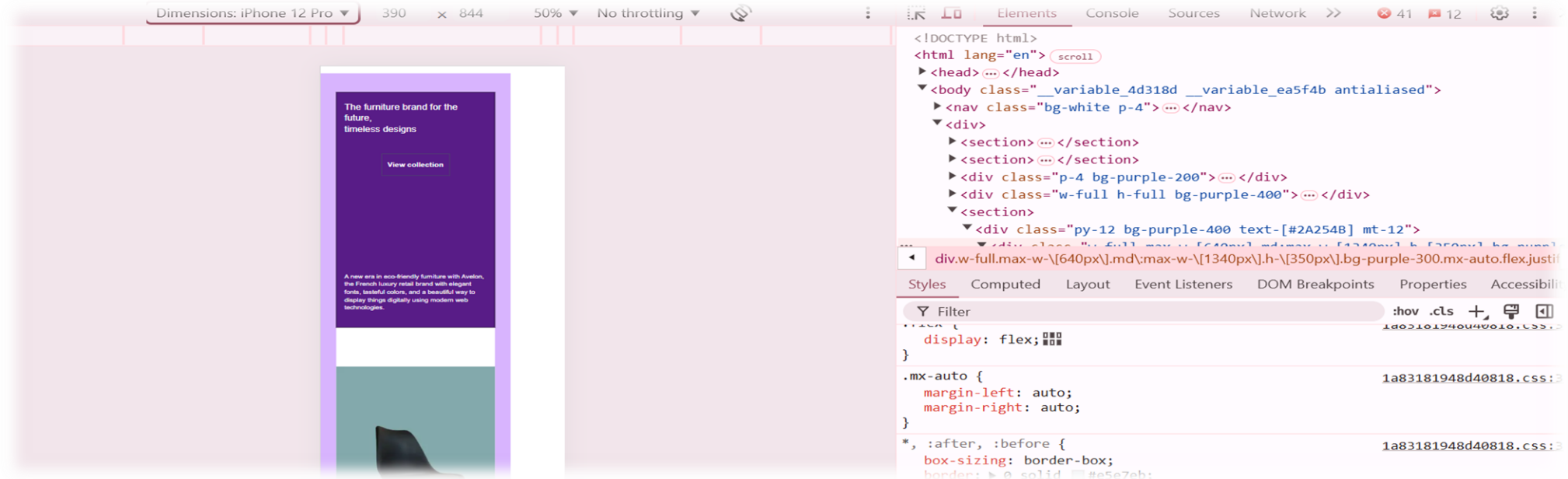**DAY 5 - TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT**

## 1. Functional Testing

1. Function definition: Maine apne functions ko clearly aur concisely define kiya.

2. Function implementation: Maine apne functions ko accurately aur consistently implement kiya.

3. Function testing: Maine apne functions ko thoroughly test kiya aur unke expected outputs ko verify kiya.

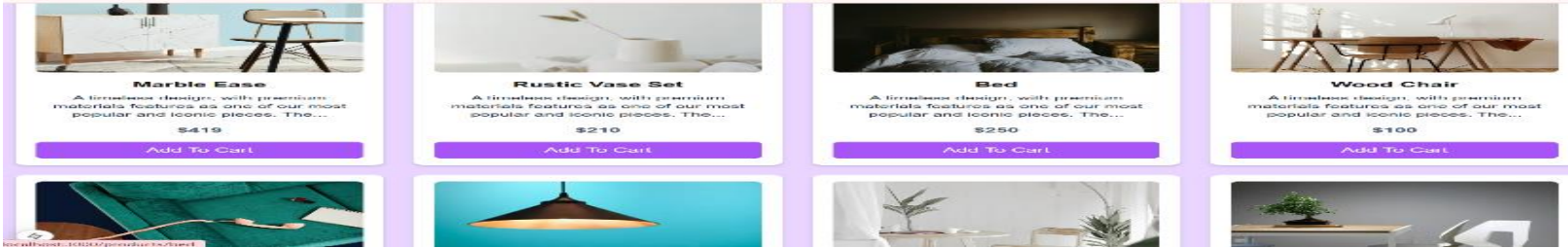4. Function refinement: Maine apne functions ko refine kiya aur unke performance ko improve kiya.



## 2. Error Handling

### Fallback Image Display

API se image nahi mil rahi hai, hum ek fallback image display kar raha hain. Yeh image user ko batata hai ki image nahi mil rahi hai.
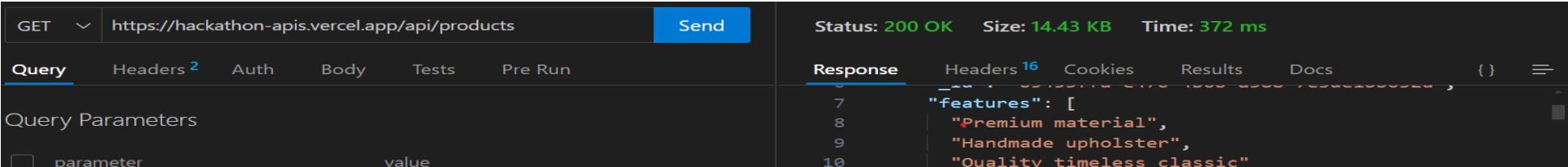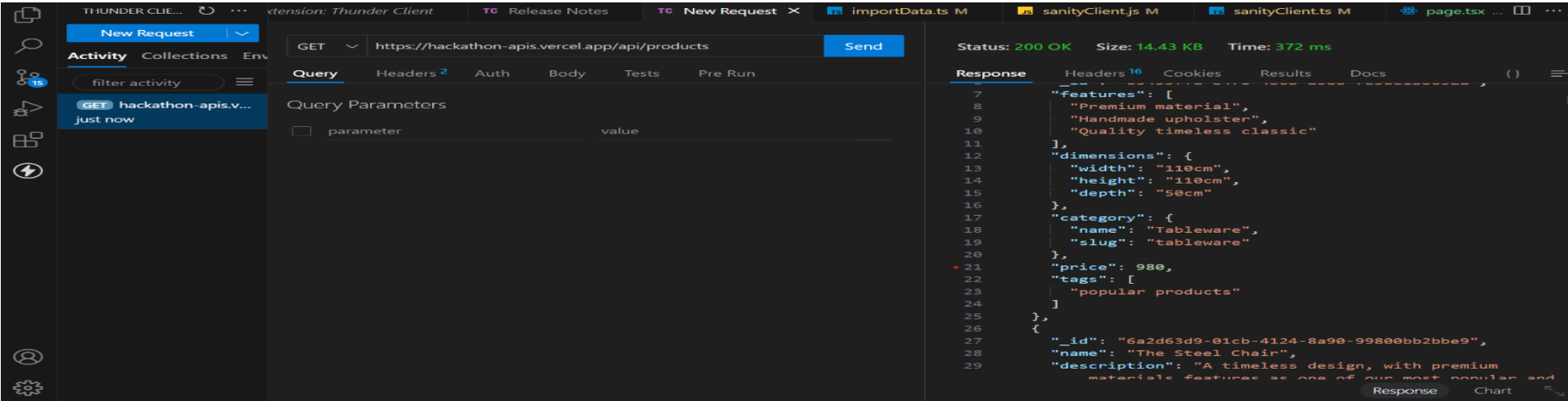
### Unexpected Server Errors

- Error message: "Unexpected server error. Please try again later."

- Fallback UI element: Display a "Server error" message with a retry button.



❖ Products ka data sahi aa raha hai (status 200).
❖ Error scenarios (e.g., API down) par proper error message display ho raha hai.
❖ Tools: Thunder Client ya Postman

## GET Status

# The CSV structure:

| | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Test Case ID | Test Case Description | Test Steps | Expected Result | Actual Result | Status | Severity Level | Assigned To | Remarks |
| 2 | TC001 | Validate product tisting page | Open product page >Verify products | Products displayed correctly | | Passed | Low | | No lensues found |
| 3 | TC002 | Test API error handing | Disconnect API Refresti 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 | Cartupdates with added product | Cartupdates as expected | Passed | High | | Werks as expected |
| 5 | TC004 | Eneure responsiveness on moblie | Resize browser window >Check layout | Layout adpusts property to screen sies | Responsive layout working as intended Test successful | Passed | Medium | | Test successful |