

DAY-05

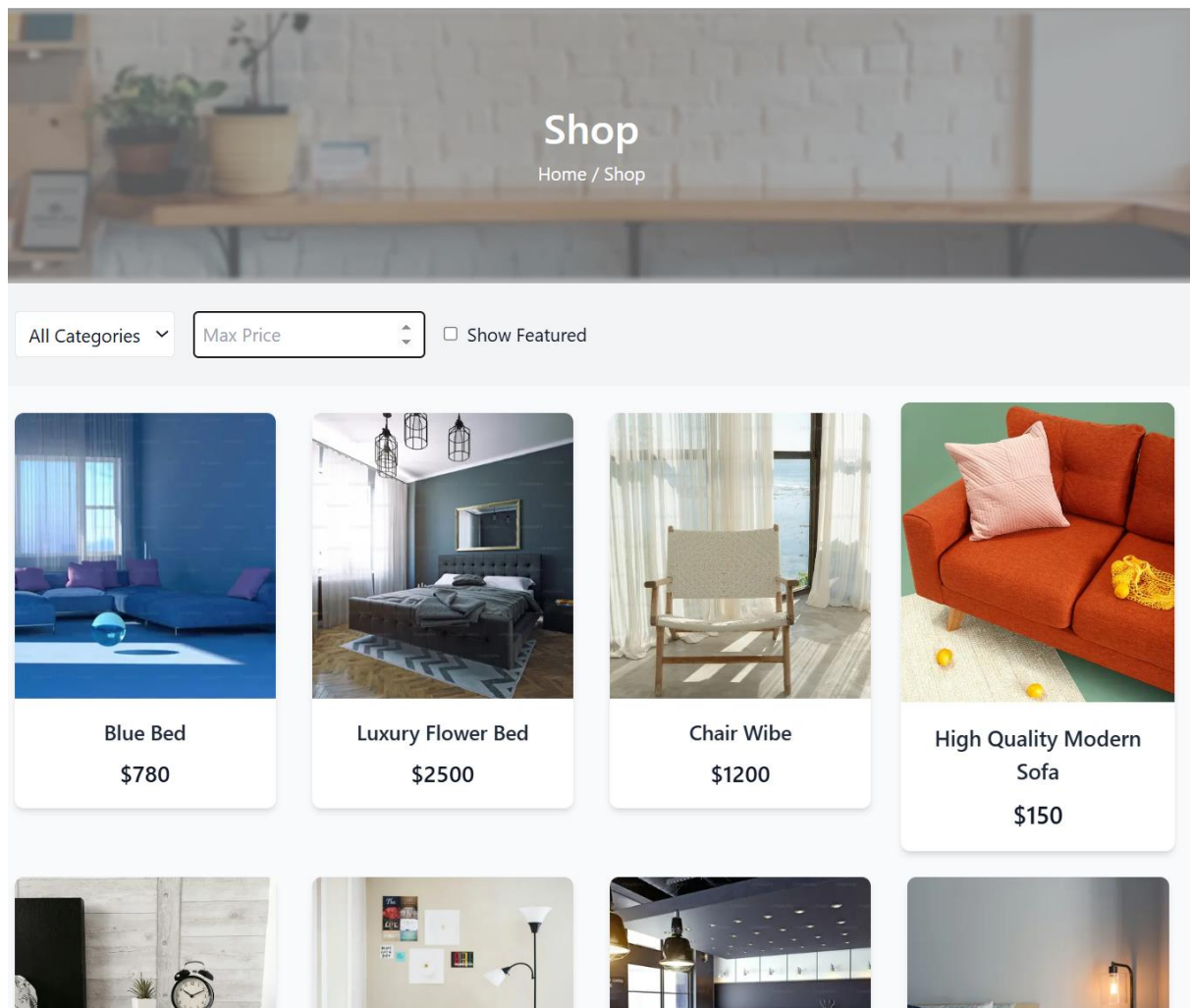
TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

Step 1: Functional Testing:

1. Product Listing

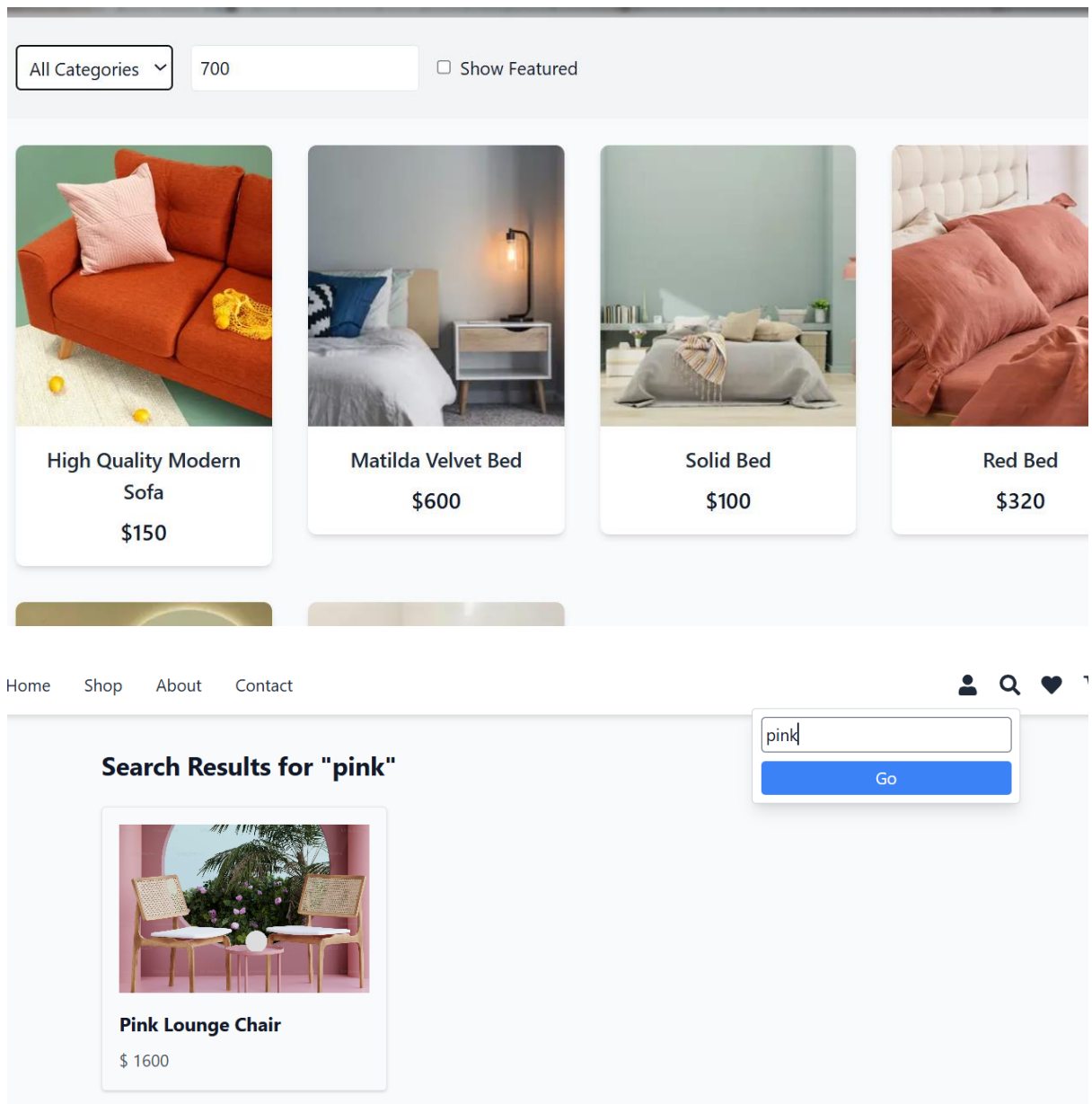
- **✓ Status:** Functional
- **Details:**
 - Products are displayed correctly on the shop page with accurate details, including name, price, and images.
- **Responsiveness:**
 - The product grid adapts seamlessly across all screen sizes, maintaining a consistent and user-friendly layout.

[Home](#) [Shop](#) [About](#) [Contact](#)



2. Filters and Search

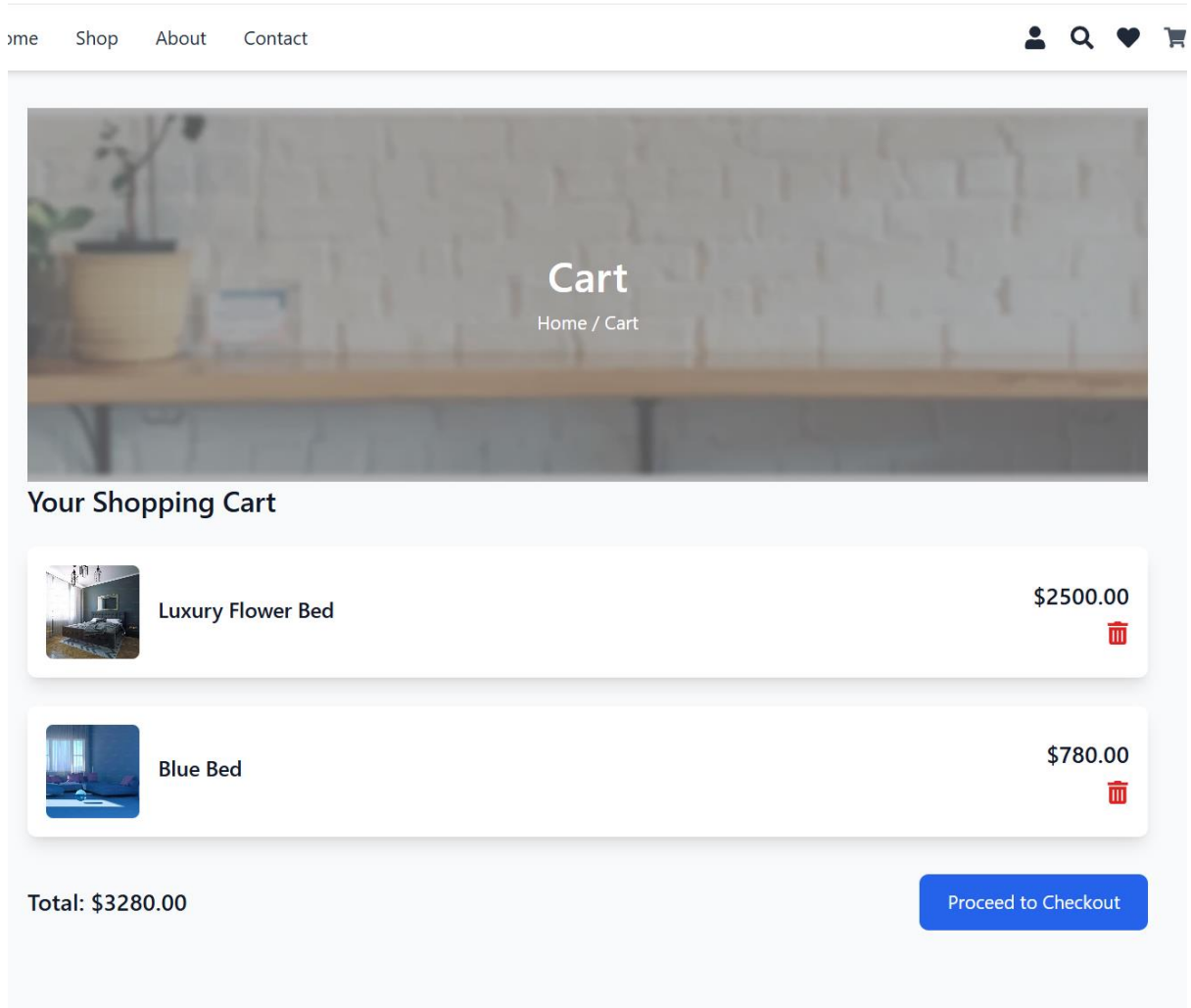
- ✓ **Status:** Fully Functional
- **Details:**
 - Filters for categories, price range, and featured products provide accurate results based on user inputs.
 - The filter functionality updates the product listing dynamically without errors.
- **Responsiveness:**
- The filter section is responsive and easy to interact with on both desktop and mobile devices.



3. Cart Operations

- ✓ **Status:** Fully Functional
- **Details:**

- Users can add items to the cart, update quantities, and remove items without any issues.
- The cart maintains state correctly, ensuring a smooth shopping experience.
- **Responsiveness:**
- The cart is designed to work flawlessly on all screen sizes.



4. Dynamic Routing

- ✓ **Status:** Functional
- **Details:**
- Individual product pages' load correctly using dynamic routing. All product details, including images, price, description, and additional options (e.g., size, color), are displayed without errors.
- **Responsiveness:**
- The product detail pages are fully responsive and optimized for various devices.

Overall Performance and Responsiveness

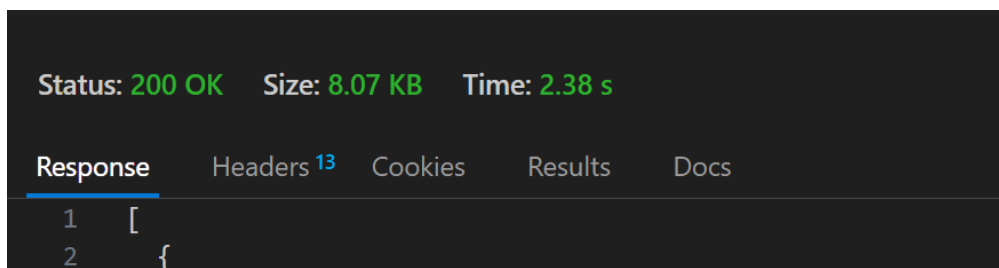
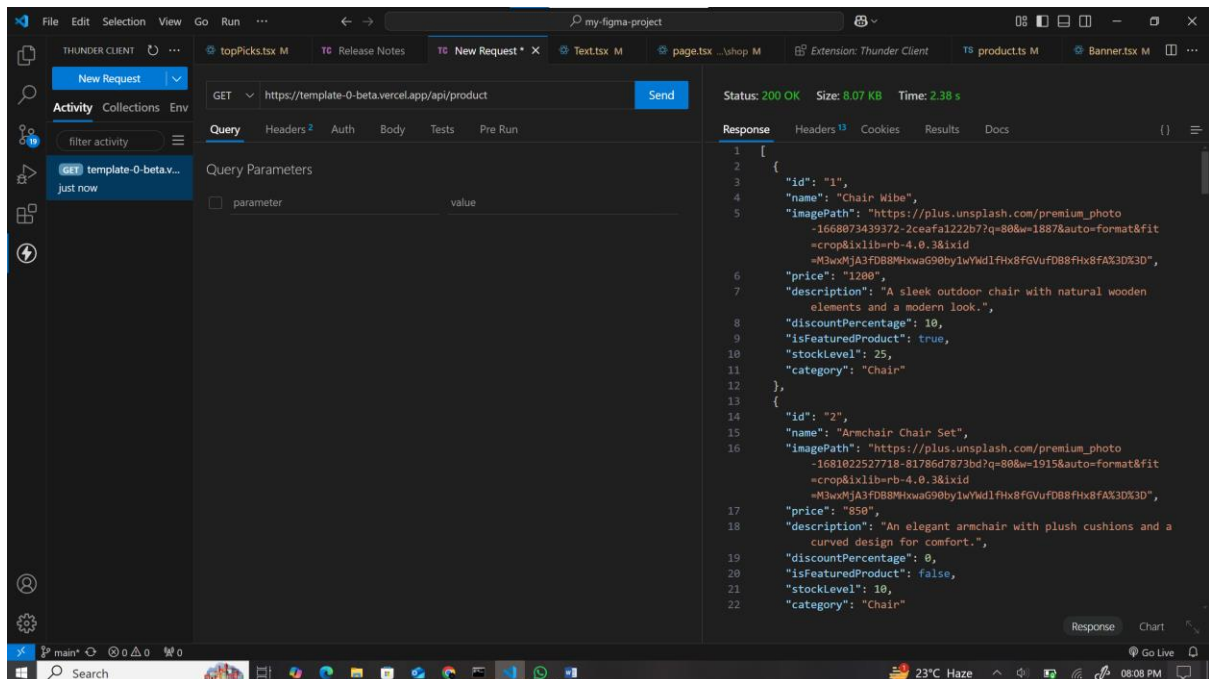
- The website provides a **smooth and responsive user experience** across all features and screen sizes.
- All core functionalities are working as expected, ensuring a reliable e-commerce platform.

Step 2: Error Handling

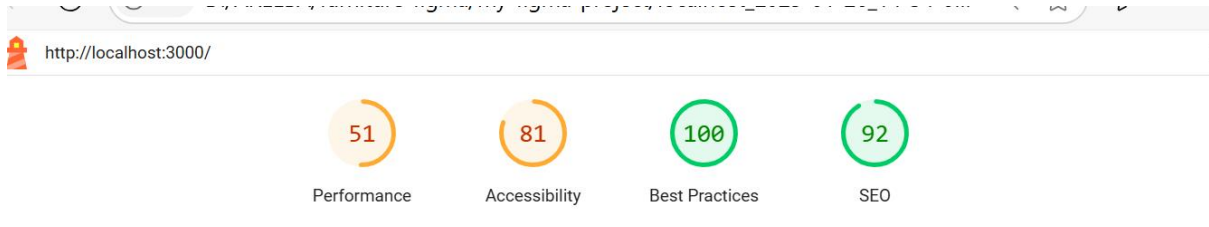
The API for the e-commerce website is **fully functional**, and all features relying on API calls are working as expected:

1. Product Data Retrieval

- **✓ Status:** Working
- **Details:**
 - The API fetches product details (name, price, description, category, stock level, image) seamlessly.
 - All data fields are accurately populated and displayed on the website



Performance Optimization:



There were issues affecting this run of Lighthouse:

- The tested device appears to have a slower CPU than Lighthouse expects. This can negatively affect your performance score. Learn more about [calibrating an appropriate CPU slowdown multiplier](#).



Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator](#).

▲ 0-49 ■ 50-89 ● 90-100

METRICS

[Expand view](#)

- First Contentful Paint

1.3 s

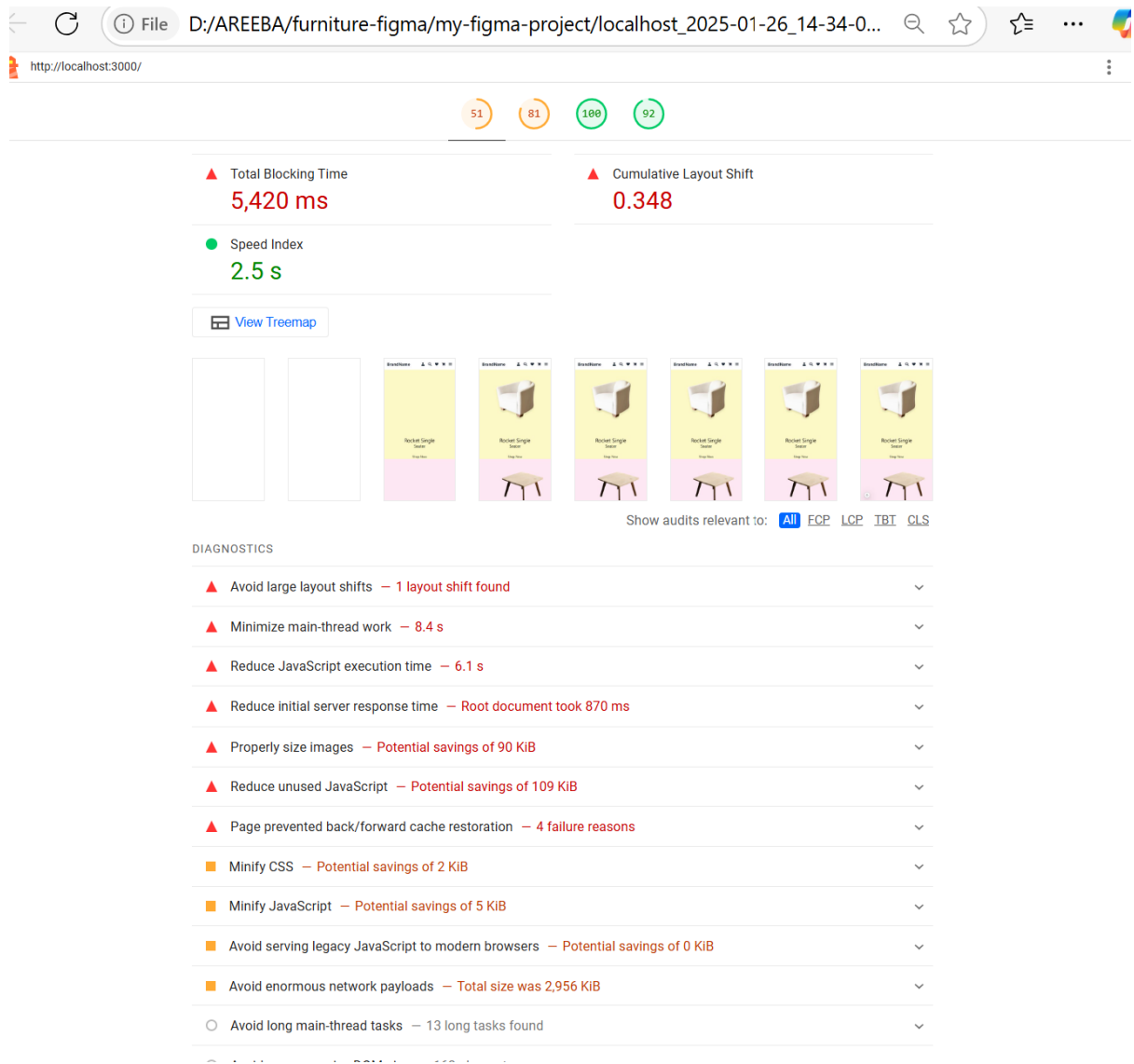
- ▲ Total Blocking Time

- Largest Contentful Paint

2.3 s

- ▲ Cumulative Layout Shift





Performance Monitor

