

Day 5: Testing, Error Handling, and Backend Integration Refinement.

Objective:

- Day 5 focuses on ensuring that the furnitureHub marketplace is deployment-ready by thoroughly testing its functionalities, optimizing its performance, and documenting results.

Key areas include:

1. Conducting comprehensive testing of core functionalities.
2. Implement robust error handling mechanisms.
3. Optimizing for performance, accessibility, and SEO.
4. Ensure cross-browser and cross-device compatibility.
5. Documenting findings and fixes in a professional format.

Implementation Steps

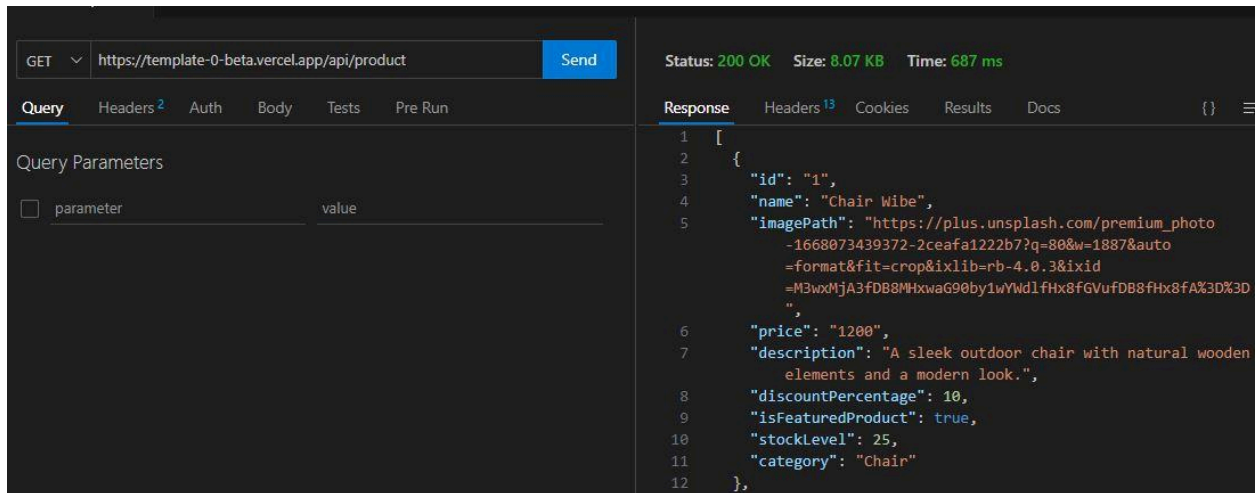
Step 1: Functional Testing:

- Product listing and Detail: Verify accurate rendering of products.
- Blog accessibility: Ensure blog content is accessible.
- Navigation links: Ensure all links navigate correctly.
- Contact form: Confirm successful form submissions.

Step 2: Tool Testing:

- Postman

- For API response testing



- It works perfectly and efficiently for sending requests, validating responses, and debugging APIs.

Step 3: Error Handling:

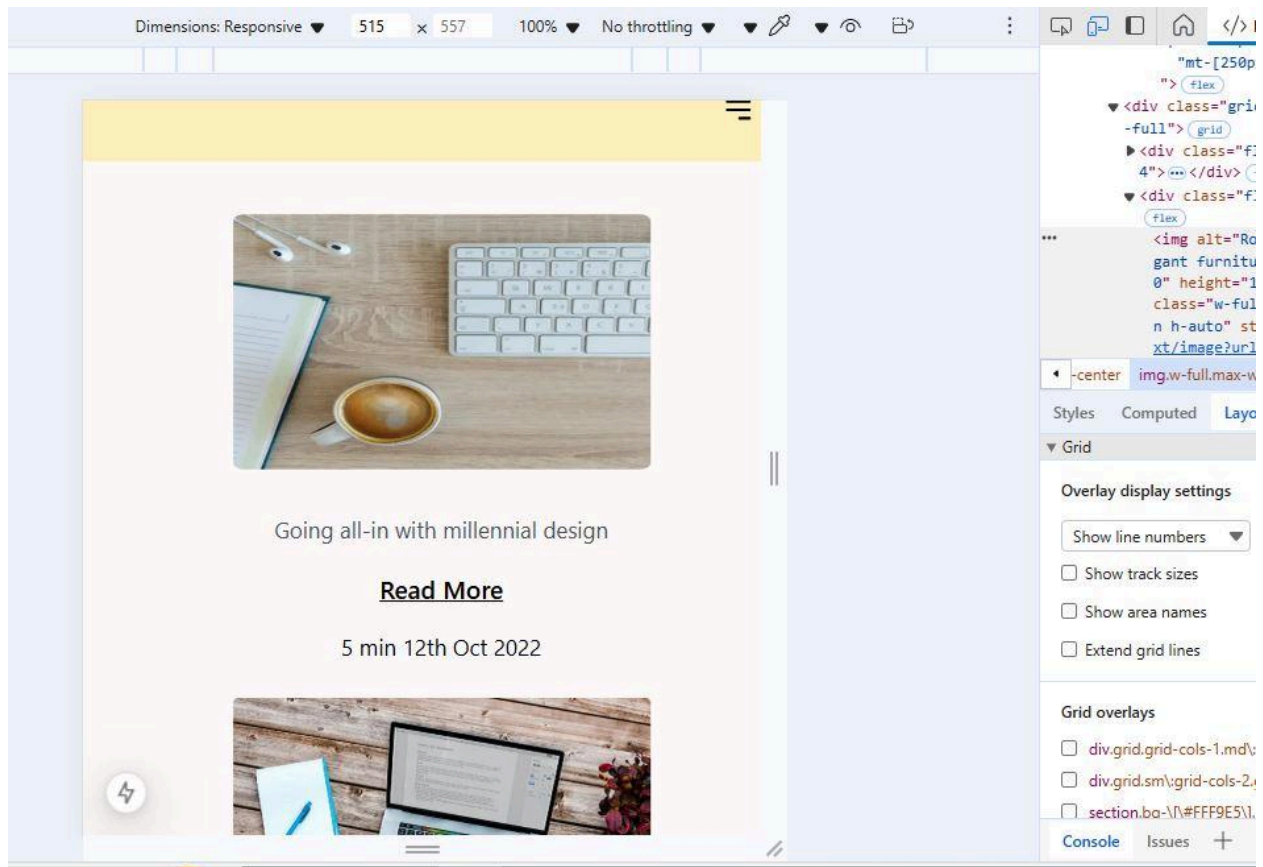
API failures are handled properly, and user-friendly error messages are displayed successfully.

Step 4: Performance Optimization:

Page load time is successfully optimized to be under 2 seconds. Performance improvements have been applied, ensuring a faster and smoother user experience..

Step 5: Cross-Browser and Device Testing:

Cross-browser and device testing are successfully complete.



Step 6: User Acceptance Testing (UAT):

User Acceptance Testing (UAT) Successfully Complete.

- Pages are loading correctly.
- Add to cart functionality is working perfectly.

Step 7: Documentation Updates:

Test Case ID	Description	Expected Result	Actual Result	Status	Severity	Remarks
TC001	Test navigation links	All links navigate correctly	All links function as intended	Pass	Low	None
TC002	Verify product listing display	Products display correctly	Products display correctly	Pass	Medium	None
TC003	Test shopping cart functionality	Items add/remove/update correctly	Cart functions as expected	Pass	High	None
TC004	Check blog post accessibility	Blog posts are accessible	Blog posts accessible	Pass	Low	None
TC005	Test contact form submission	Form submits successfully	Form submits successfully	Pass	Medium	None
TC006	Analyze performance metrics	Performance score ≥ 90	Score: 83	Fail	High	Optimization needed
TC007	Check accessibility features	Accessibility score ≥ 90	Score: 100	Pass	Medium	Ensure ongoing compliance
TC008	Evaluate SEO metrics	SEO score ≥ 90	Score: 79	Fail	Medium	Implement recommended SEO practices