

Updated Test Cases and Handling Suggestions

1. Test Cases Executed and Results

- **Product Listing:** Products displayed correctly (**Passed**).
 - **Filters and Search:** Debugging required for accurate results (**Failed**).
 - **Cart Operations:** Use local storage to manage cart functionality (**Pending**).
 - **Dynamic Routing:** Product detail pages function correctly (**Passed**).
 - **Image URL Fetch:** Handle null values in Sanity data (**Failed**).
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2. Performance Optimization Steps

- **Lighthouse testing** performed—received good results.
 - **Cross-browser testing** completed successfully—smooth experience on all major browsers.
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3. Security Measures

- **API calls** tested securely via Thunder Client.
 - **Sensitive data** secured in environment variables.
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4. Challenges Faced and Resolutions

- **Filters and Search Issue:** Debug frontend filter implementation—functionality issue found.
 - **Cart Operations:** Next priority—use local storage to achieve it.
 - **Custom Authentication Pages:** Pending implementation—next priority with Clerk.
 - **Checkout Payment Page:** Use Suspense to fix rendering issues.
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5. Submission Checklist

1. **Functional Deliverables:**
 - Product listing and detail page functionality confirmed.

- API responses verified.
- 2. **Testing Report (CSV Format):**
 - Includes Test Case ID, Description, Steps, Expected & Actual Results, Status, Severity Level, and Remarks.
- 3. **Documentation:**
 - Comprehensive test results and findings.
 - Performance and security updates detailed.
 - Challenges faced with planned resolutions.
- 4. **Repository Submission:**
 - All files uploaded to GitHub with a clear folder structure.

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