

HACKATHON_DAY_5: TESTING, ERROR-HANDLING, & BACKEND INTEGRATION REFINEMENT:

STEP 1. FUNCTIONAL TESTING

STEP 2. ERROR HANDLING

STEP 3. POSTMAN API

GIVEN API ('https://template6-six.vercel.app/api/products');

A	B	C	D	E	F	G	H	I
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully
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
TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	-	Test successful

TC001:WORK AS EXPECTED

TC002:HANDLE GRACEFULLY

TC003:NO ISSUE FOUND

TC004:TEST SUCCESSFULLY

step1:FRONTEND TESTING

- NAVIGATION LINKS
- PRODUCT LISTING & DETAILING
- CART AND CHECKOUT FLOW

TOOL USED:

- API RESPONSE TESTING
- REACT TESTING LIBRARY

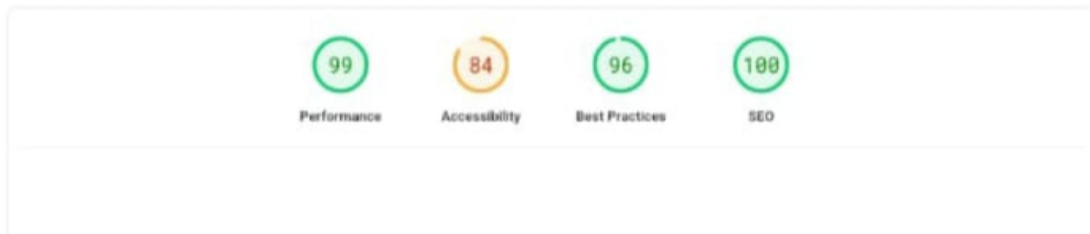
STEP2: ERROR HANDLING

- TRY CATCH BLOCKS TO HANDLE API HANDLE
- LOG ERROR
- API RESPONSE MAINTAIN USER TRUSTED INTERFACE

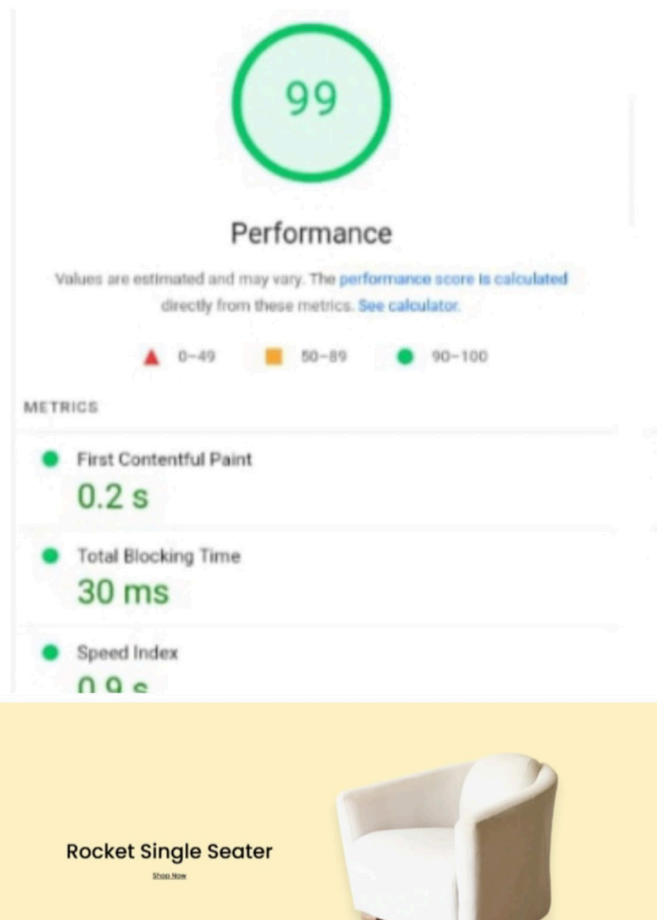
STEP3:PERFOMANCE OPTIMIZATION

DESCRIPTION:

PERFOMANCE MATRICS:



- PERFORMANCE: 99%
- ACCESSIBILITY: 84%
- BEST PRACTICE : 96%
- SEO: 100%



day_5 task completed