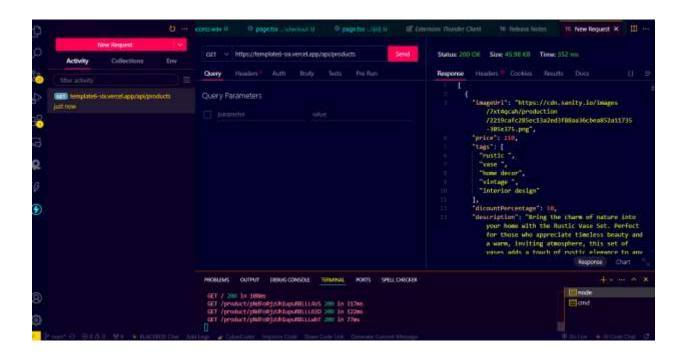
HACKATHON DAY 5 TESTING, ERROR HANDLING AND BACKEND INTEGRATION

Step 1: functional testing

Step2: error handling

Step:3 postman api

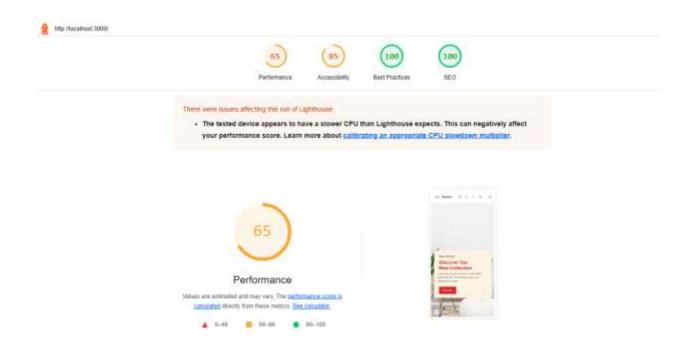
Api: https://template6-six.vercel.app/api/products



Test Case ID	Test Case Descripti on	Test Steps	Expected Result	Actual Result	Status	Sever ity Level	Assi gned To	Re ma rks	
2	TC001	Validate	Open product	Products	Products	Passe	Low	-	No

		product listing page	page > Verify products	displayed correctly	displayed correctly	d			issues found
3	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passe d	Medi um	-	Handle d gracefu lly
4	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passe d	High	-	Works as expecte d
5	TC004	Ensure responsivene ss on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passe d	Medi um	-	Test success ful

Step04: Performance optimization





TRUST AND BAFETY

Ensure CSP is effective against XSS attacks	
○ Use a strong HSTS policy	×
Ensure proper origin isolation with COOP	
DENERAL	
 Missing source maps for large first-party JavaScript. 	Ü

DIAG	BNOSTICS	
A	Minimize main-thread work — 17.7 s	~
A	Reduce JavaScript execution time — 7.8 s	~
A	Largest Contentful Paint element — 2,830 ms	~
A	Reduce unused JavaScript — Potential savings of 166 KiB	~
A	Page prevented back/forward cache restoration — 3 failure reasons	~
	Image elements do not have explicit width and height	~
	Minify JavaScript — Potential savings of 5 KiB	~
	Serve images in next-gen formats — Potential savings of 1,718 KiB	~
	Properly size images — Potential savings of 3,161 KiB	~
	Defer offscreen images — Potential savings of 2,174 KiB	~
	Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB	~
	Avoid enormous network payloads — Total size was 6,633 KiB	~

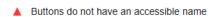


Accessibility

These checks highlight opportunities to increase the accountable of your web app. Automatic delection can only detect a natural of insure and done not guarantee the accountable of your web app, as manual testing is also encouraged.

NAMES AND LABELS

NAMES AND LABELS



These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

CONTRAST

▲ Background and foreground colors do not have a sufficient contrast ratio.

These are opportunities to improve the legibility of your content.

BEST PRACTICES

▲ Touch targets do not have sufficient size or spacing.

These items highlight common accessibility best practices.



SEO

These checks ensure that your page is following basic reacch engine optimization obsers. There are many additional factors Lighthouse alsos nor accure here that may affect your search ranking, including performance on Core Web Vitals. Learn more about Goople Search Excentions.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)	1600
Structured data is valid.	
Your those additional volidation on your site to check additional SEO heat proclices.	
PARTED AUDITE (E)	Show
NOT APPLICABLE (2)	Show





	☐ Emulated Moto G Power with Lighthouse	♣ Single page session
GMT+5	12.3.0	
Ō Initial page load	→ Slow 4G throttling	⊚ Using Chromium 131.0.0.0 with cli

Developer Resources

Status	UNL	Initiator	Total Sytes	Error
RACCOENS	/ICdiZy1ibGFjaycgOiAnYmctZ3IheS00MDAnfWB9XHJcbiAglCAglCAglCAglCAglCAvPxyXGAglCA		6.395	
MITTERS	/jsor;charset=utf-B;base64,eylZZX.lzaW9uljpst.ClmaWhitijoiKGFwcC1w/Wdky1icm93c2VyKS&uL		2 459	
auccess	/IChccbuICAgICAgICAgIOxkxXVgY2xhc3NOYW1PVwiZ3JpZC8ncmlkl.WNvbHMtMS8t2Dpncmlkl		14 952	
NACCOUNT.	/json;charset:utf-B;base64.ey/2ZX.lzsW9uljozt.CimsWsIljoitGFwcC1w/Wdky1icm93c2VyKS8uL2		1 208	
ruccess	/jsonycharset + utf-8;base64,ey12ZX.lzaW9uljozt.ClmaWnlljoiXGFwcCTwVWdlcy1icm93c2VyKS8uLi		1 361	
SUCCESS!	/jscrccharset=uff-8;base64.eyJ2ZXIzaW9cljozl.ClmaWalljoiXGFwcC1wYWdky1icm93c2VyKS8cl.2		1 369	
RUCCESS	//json;charset=utf-II;base64.ey/2ZXJzaW9u/jozt.ClmaWhilijoiIIGFwcC1wYWdicy1icm93c2VyKS8uL1		358	
nuccess	/IFwidHJhbnNsYXRJLXgtMFwiDogXCJ0cmFuc2shdGUteC1mdWssXCJccbcuICAglCAglCB9YHTccti		4 979	



