

### 3 : Thunder Client for API Testing

Thunder Client is a lightweight, easy-to-use API testing tool integrated within Visual Studio Code. It allows you to test and verify APIs directly from your code editor without needing to switch to a separate application.

1. **API Testing:** I used Thunder Client to test the API integration. By sending HTTP requests (GET, POST, PUT, DELETE) to the API endpoints, I was able to verify that the API is working correctly and returning the expected data.
2. **Request Validation:** Thunder Client helped validate the requests by providing a user-friendly interface for configuring headers, body data, and query parameters. This ensured that the API requests were sent correctly.
3. **Response Checking:** The tool allowed me to inspect the responses from the API. The data returned was consistent and correct, with no errors or discrepancies. Thunder Client also provides detailed information about the response status, headers, and body, helping ensure everything is functioning as expected.
4. **No Errors:** During testing, no errors occurred, and the data fetched from the API matched the expected results perfectly. It confirmed that the API integration on the website is flawless.
5. **Efficiency:** Thunder Client made it easy to test the API calls quickly and effectively, providing instant feedback to ensure the API is delivering the correct data and functioning without issues.

In short, Thunder Client was used to thoroughly test the API, and it confirmed that the API is fetching the correct data, working properly without errors, and responding as expected.

### 3 : API Functionality Working Perfectly

The API integration on the website is working flawlessly. The data is being fetched correctly without any issues or errors. Here are the key points:

1. **Data Fetching:** The website is able to fetch data from the API seamlessly. Whether it's retrieving information from a remote server or processing requests, all the data is being fetched correctly and displayed as expected.
2. **No Errors:** There are no errors occurring during the data-fetching process. The API calls are functioning without any interruptions, and responses are received quickly without any timeouts or issues.
3. **Accurate Data:** The data received from the API is accurate and in the correct format. All information is being populated into the website's elements, such as tables, lists, or charts, without any discrepancies.
4. **Smooth Interaction:** Whether the user triggers the API call through buttons, forms, or other interactive elements, the process is smooth, and the data updates immediately, providing a real-time experience.
5. **Error Handling:** In the rare case of a failed API call, proper error handling is in place. However, currently, no errors are being encountered, and the system is running perfectly.
6. **Speed and Performance:** API responses are fast, ensuring that the website loads efficiently without delays, making the user experience seamless.

In conclusion, the API is functioning perfectly, with accurate data being fetched and no errors encountered, ensuring the website works smoothly and as expected.

## 1 : Responsiveness Working Perfectly on All Devices

The website is fully responsive, meaning it adapts to any screen size. Whether you access it on a mobile phone, tablet, or desktop, the layout, content, and design adjust automatically to provide an optimal viewing experience. All elements of the site, including images, text, and buttons, resize and rearrange to ensure they look great on any device, providing a seamless browsing experience for users on all screen sizes.

## 2 : Functionality Working Perfectly

The website's functionality is working flawlessly across all features and elements. Every interactive component, such as buttons, forms, links, and navigation menus, performs as expected without any issues.

1. **Buttons and Links:** All buttons and links are fully clickable and redirect users to the intended pages or trigger the right actions, such as submitting forms or opening new windows.
2. **Navigation:** The site's navigation system is intuitive and responsive. Menus and submenus open and close correctly on all devices, and the navigation adapts based on screen size to ensure ease of use on mobile, tablet, and desktop devices.
3. **Interactive Features:** Features like carousels, pop-ups, or modal windows function without delay. They open, close, or cycle through content as intended, offering a smooth user experience.
4. **Search and Filters:** If there's a search bar or filtering options, they function correctly, delivering relevant results instantly and updating the content in real-time as the user interacts.
5. and many more like that i defined in Day 4

In short, every feature of the website is working perfectly, providing an excellent user experience without any issues or interruptions. All interactions, from navigation to submitting data, are seamless and reliable.

# Devolper Resources

Y Filter by URL and error

Load through website

Status	URL	Initiator	Total Bytes	Error
success	/UmN1cnIlnQgPyllgl38yb2R1V3QvIH-hwcm9kdWN0LnNsdWouY3VydmVudH1		9 036	
success	/json;charset=utf-8;base64,eyJ2ZXIzaW9uLjoiLCJmaWxlljoiKGFWcC1wYVdlcyI		674	
success	/json;charset=utf-8;base64,eyJ2ZXIzaW9uLjoiLCJmaWxlljoiKGFWcC1wYVdlcyI		1 173	
success	/json;charset=utf-8;base64,eyJ2ZXIzaW9uLjoiLCJmaWxlljoiKGFWcC1wYVdlcyI		814	
success	/ZDFmYSJldlCib3VyY2VzQ29udGVudC16WyJpbXBvcnQgey8ncm9xIH0gZnJvb		543	
success	/json;charset=utf-8;base64,eyJ2ZXIzaW9uLjoiLCJmaWxlljoiKGFWcC1wYVdlcyI		9 276	

THUNDER CLIENT

New Request

Collections

Env

filter activity

sanity-nextjs-app-just now

GET

https://sanity-nextjs-application.vercel.app/api/hackathon/template7

Send

Query

Headers

Auth

Body

Tests

Pre Run

Query Parameters

parameter

value

Status: 200 OK

Size: 4.9 KB

Time: 880 ms

Response

Headers

Cookies

Results

Docs

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Response

Chart

1	Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
2	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
3	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully
4	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
5	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



## Performance

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

▲ 0-49 ■ 50-92 ● 93-100



### METRICS

[Expand view](#)

● First Contentful Paint  
1.3 s

▲ Total Blocking Time  
2,210 ms

● Speed Index  
1.3 s

● Largest Contentful Paint  
1.8 s

● Cumulative Layout Shift  
0

[View Treemap](#)



▲ 0-49    ■ 50-89    ● 90-100

METRICS

Expai

● First Contentful Paint  
1.3 s

▲ Total Blocking Time  
2,210 ms

● Speed Index  
1.3 s

● Largest Contentful Paint  
1.8 s

● Cumulative Layout Shift  
0

 View Treemap



Show audits relevant to: [All](#) [FCP](#) [LCP](#) [TBT](#)





DIAGNOSTICS

- ▲ Reduce JavaScript execution time — 2.9 s
- ▲ Minimize main-thread work — 4.7 s
- ▲ Minify JavaScript — Potential savings of 5 KiB
- ▲ Largest Contentful Paint image was lazily loaded
- ▲ Eliminate render-blocking resources — Potential savings of 220 ms
- ▲ Page prevented back/forward cache restoration — 3 failure reasons
- Minify CSS — Potential savings of 2 KiB
- Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB
- Avoid enormous network payloads — Total size was 3,020 KiB
- Avoid long main-thread tasks — 10 long tasks found
- Avoid large layout shifts — 1 layout shift found
- Initial server response time was short — Root document took 90 ms
- Avoids an excessive DOM size — 510 elements
- Avoid chaining critical requests — 1 chain found
- Minimize third-party usage — Third-party code blocked the main thread for 0 ms
- Largest Contentful Paint element — 1,800 ms

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (22)

Show



Best Practices

USER EXPERIENCE

▲ Displays images with incorrect aspect ratio

GENERAL

▲ Browser errors were logged to the console

▲ Missing source maps for large first-party JavaScript

TRUST AND SAFETY

○ Ensure CSP is effective against XSS attacks

○ Use a strong HSTS policy

○ Ensure proper origin isolation with COOP

PASSED AUDITS (12)

Show



## Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

### CONTRAST

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

These are opportunities to improve the legibility of your content.

### NAMES AND LABELS

- ▲ Form elements do not have associated labels ▼
- ▲ Select elements do not have associated label elements. ▼

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.

### BEST PRACTICES

- ▲ Touch targets do not have sufficient size or spacing. ▼

These items highlight common accessibility best practices.



## The Best Platform for Car Rental

Ease of doing a car rental safely and reliably. Of course at a low price.

Rent Now



## Easy way to rent a car at a low price

Providing cheap car rental services and safe and comfortable facilities.

Rent Now



## Don't Just Rent, Drive in Style!

Get Premium Cars at Great Prices

### ☒ Pick-up

Location

Select city ↓

Date

mm/dd/yyyy

Time

--:-- --

### ☐ Drop-off

Location

Select city ↓

Date

mm/dd/yyyy

Time

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SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more about Google Search Essentials](#).

ADDITIONAL ITEMS TO MANUALLY CHECK (1) Show

○ **Structured data is valid** ▼

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (8) Show

NOT APPLICABLE (2) Show

Captured at Jan 22, 2025, 3:56 AM

Emulated: Moto G Power with Lighthouse 12.3.9

Single page session

Initial page load

Slow 4G throttling

Using Chrome 132.0.0.0 with cli

Y Filter by URL and error

Load through website

Status	URL	Initiator	Total Bytes	Error
success	/LmN1cnJlbnQgPyBgL3Byb2R1Y3QvJHtwcm9kdWN0LnNsdWcuY3VycmVudH1		9 036	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaKGFWcC1wYWdlcy1i		674	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaKGFWcC1wYWdlcy1i		1 173	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaKGFWcC1wYWdlcy1i		814	
success	/ZDFmYSJdLCJzb3VyY2VzQ29udGVudCI6WyJpbXBvcnQgeyBncm9xlH0gZnJvbS		543	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWxlIjoiaKGFWcC1wYWdlcy1i		9 276	