# 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.

- 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.
- 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.
- 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.
- 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.
- 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:

- 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.
- No Errors: There are no errors occurring during the data-fetching process. The API
  calls <u>are functioning</u> 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 <u>being populated</u> 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.
- 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

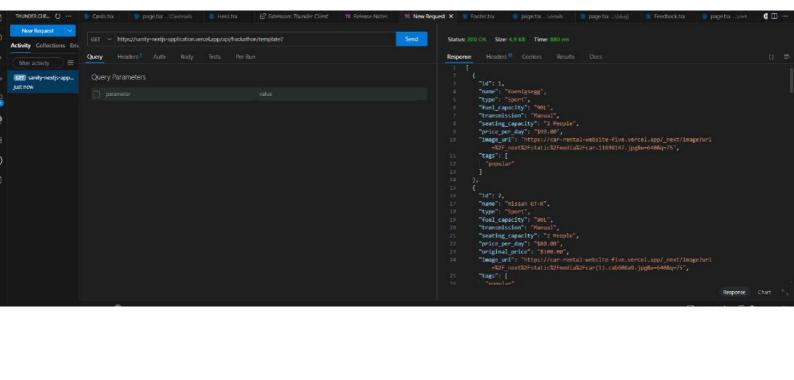
The website's functionality is working flawlessly across all features and elements. Every interactive component, such as buttons, forms, links, and navigation menus, performs as expected without any issues.

- 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.
- 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.
- 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

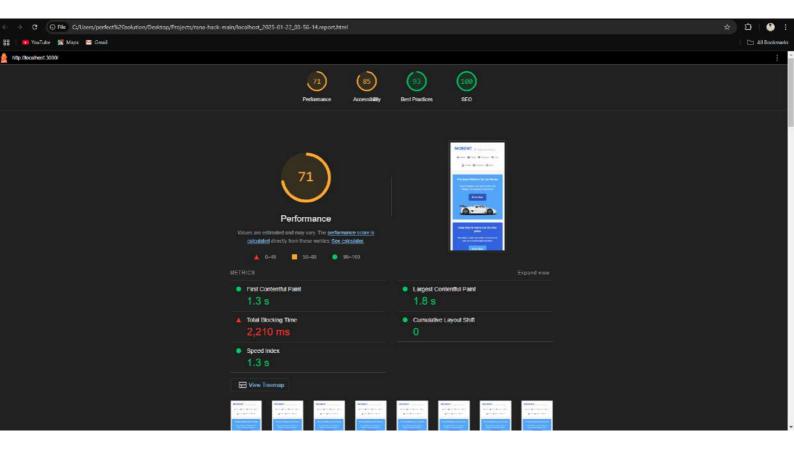
In short, every feature of the website <u>is working</u> perfectly, providing <u>an excellent</u> user experience without any issues or interruptions. All interactions, from navigation to submitting data, are seamless and reliable.

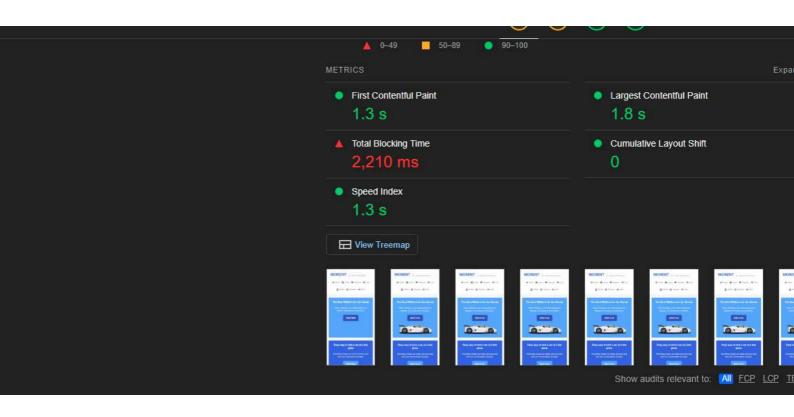
**Devolper Resources** 

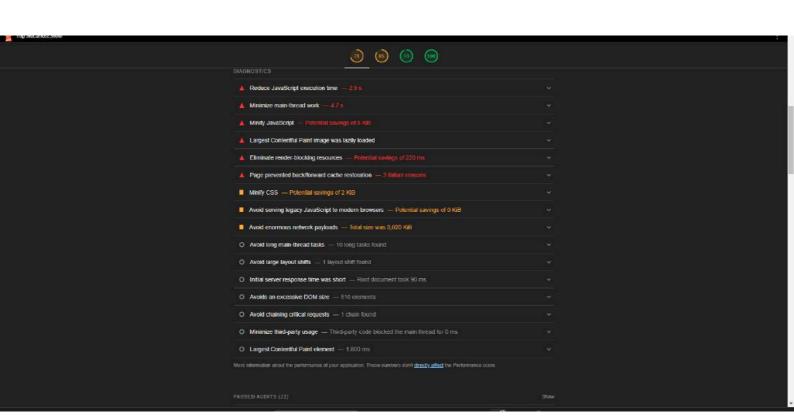
	by UKL and error	Load through website			
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	Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
	TC001	Validate product listing page	Open product page > Verify products	Products displayed 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
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
	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

















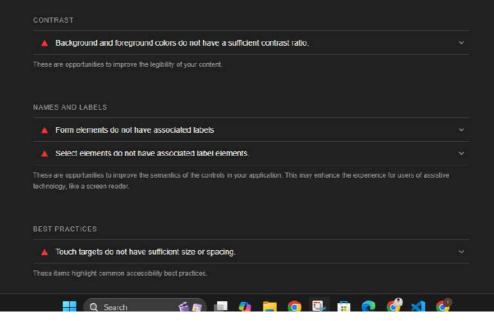
#### Best Practices

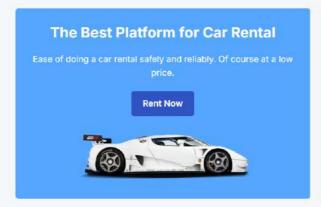
# ▲ Displays Images with Incorrect aspect ratio ▲ Browser errors were logged to the console Missing source maps for large first-party JavaScript O Ensure CSP is effective against XSS attacks O Use a strong HSTS policy O Ensure proper origin isolation with COOP

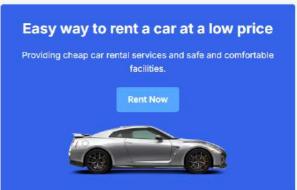


#### Accessibility

These checks highlight opportunities to <u>improve the accessibility of your web app.</u> Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so <u>manual testing</u> is also encouraged.



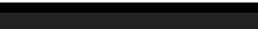




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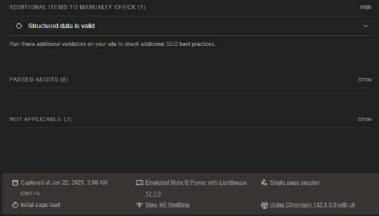








These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search renking, including performance on Core Web Vitals. Learn more about Google Search Essentials.



Generaled by Lighthouse 12.3.0 | File an issue

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