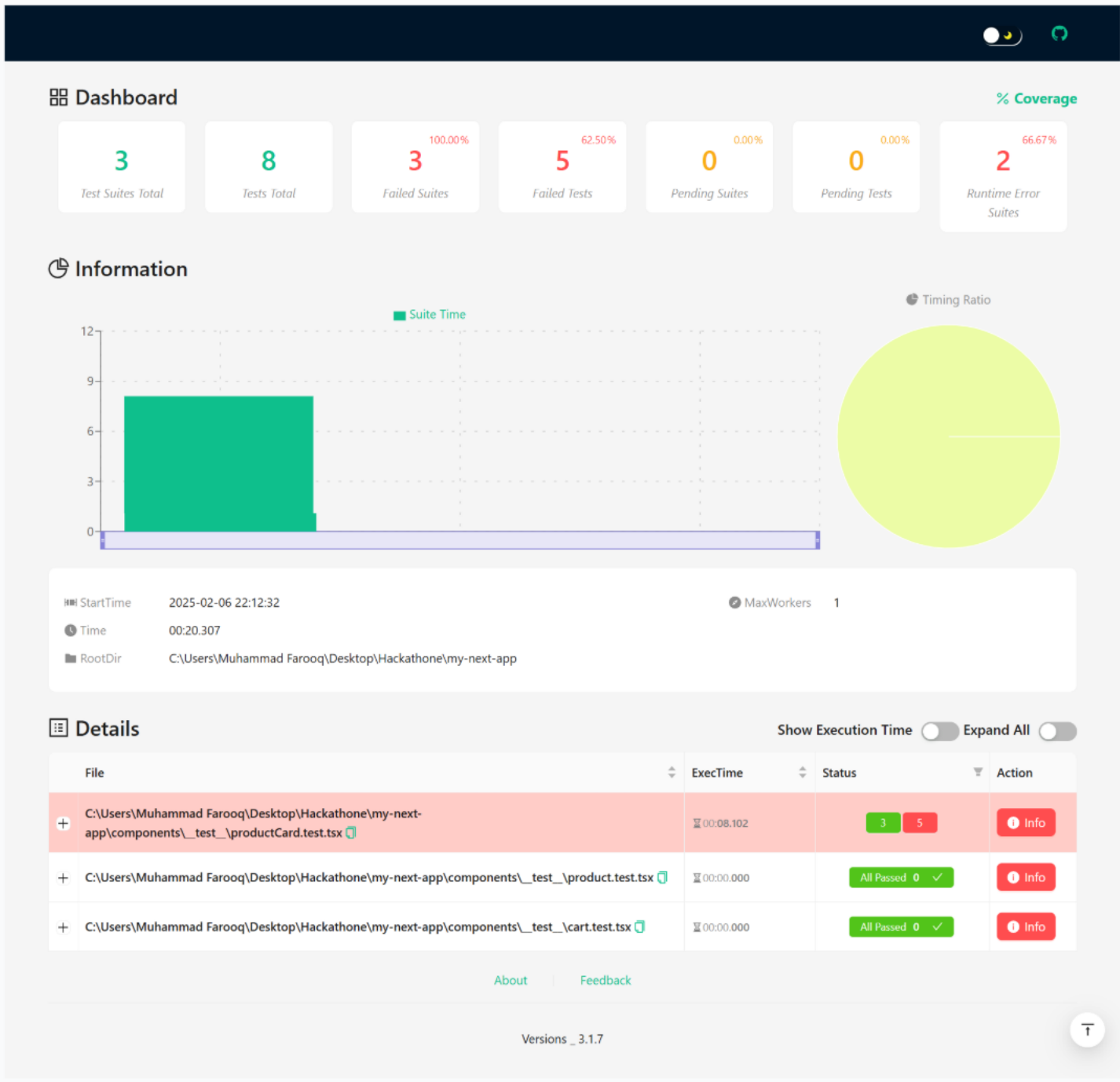


# Testing the component of ShopifyX

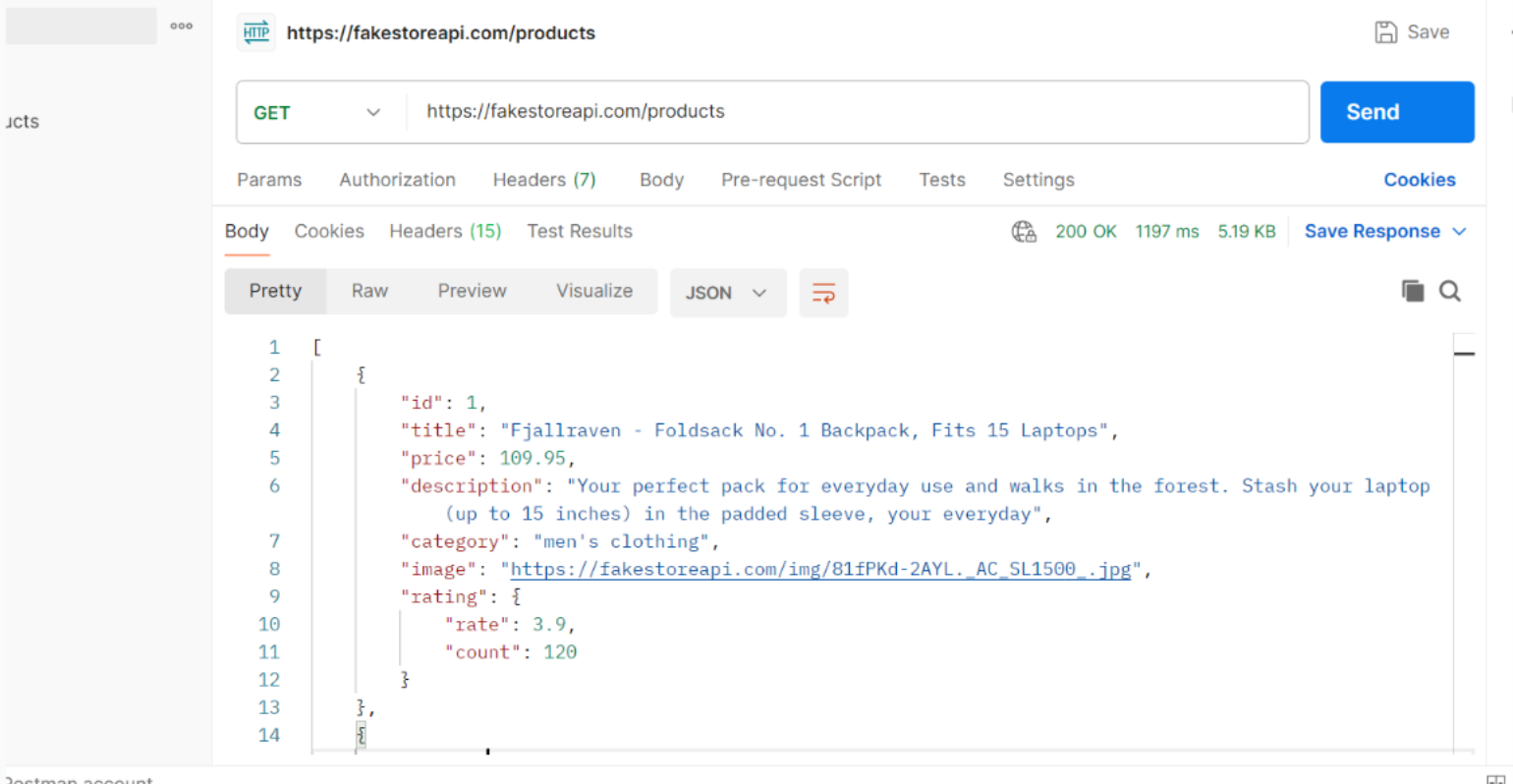
## Functional Testing with Jest:

Functional testing ensures that the features of an application work as expected, verifying the system's functionality against the requirements. It helps identify issues by testing individual functions in isolation to confirm correct behavior.



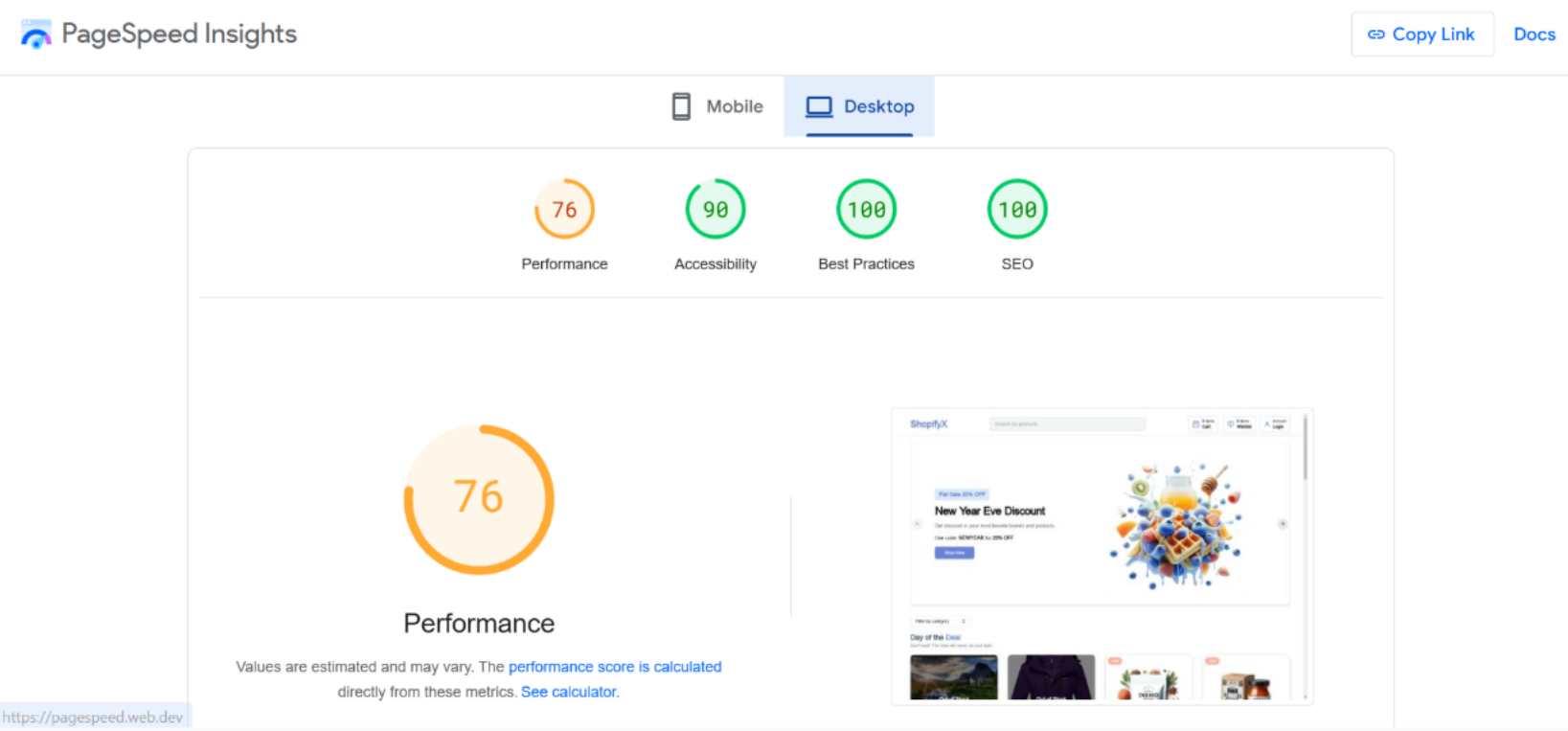
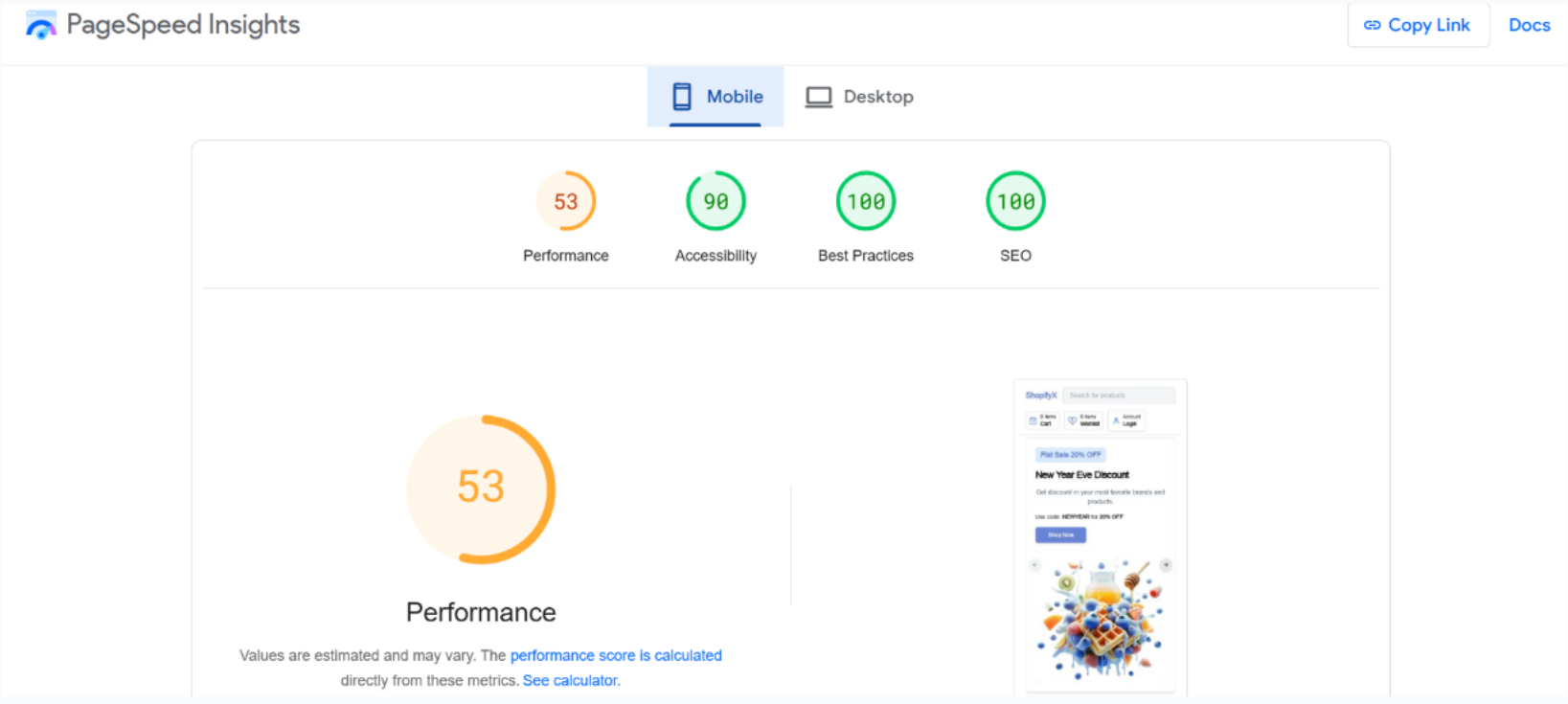
## Error Handling:

Testing APIs with Postman involves sending requests to check if the API returns the correct responses. It helps ensure the functionality and reliability of the API endpoints by verifying status codes, data, and error handling.



## PageSpeed Insights Performance Testing:

Lighthouse is an open-source tool that audits a web page's performance, accessibility, SEO, and more. I tested it on both mobile and desktop versions using PageSpeed insights to generate detailed reports, helping identify performance bottlenecks and optimize the website for better user experience.



## GetMatrix Performance Testing:

### GetMatrix Performance Testing

GetMatrix is a tool for testing the performance of web applications by simulating multiple users and monitoring the application's behavior under load. It helps assess how the app performs when handling high traffic and ensures scalability.

