

DAY 5 - TESTING, ERROR HANDLING AND BACKEND INTEGRATION REFINEMENT

Mahnoor Naveed
Rollno:00218262

API Request and Response for /api/products Endpoint.

The screenshot displays a REST client interface with the following details:

- Request:**
 - Method: GET
 - URL: `https://hackathon-apis.vercel.app/api/products`
 - Buttons: Send
 - Tabs: Query, Headers 2, Auth, Body, Tests, Pre Run
- Response:**
 - Status: 200 OK
 - Size: 14.43 KB
 - Time: 327 ms
 - Buttons: Copy
 - Tabs: Response, Headers 16, Cookies, Results, Docs
- Query Parameters:**

parameter	value
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- Response Body (JSON):**

```
1  {
2    {
3      "name": "The Poplar suede sofa",
4      "description": "A timeless design, with premium
5        materials features as one of our most popular and
6        iconic pieces. The dandy chair is perfect for any
7        stylish living space with beech legs and lambskin
8        leather upholstery.",
9      "image": "https://cdn.sanity.io/images/ri847jqu
10         /production
11         /9b6a4fc8c65bbb4e5793fb0e1116b510d73dc9e8-630x375
12         .png",
13      "_id": "65453ffd-e476-4b6b-a388-7e3de1bb632a",
14      "features": [
15        "Premium material",
16        "Handmade upholstery",
17        "Quality timeless classic"
18      ],
19      "dimensions": {
20        "width": "110cm",
21        "height": "110cm",
22        "depth": "50cm"
23      },
24      "category": {
25        "name": "Tableware",
26        "slug": "tableware"
27      },
28      "price": 980,
29      "tags": [
30        "popular products"
31      ]
32    }
33  }
```

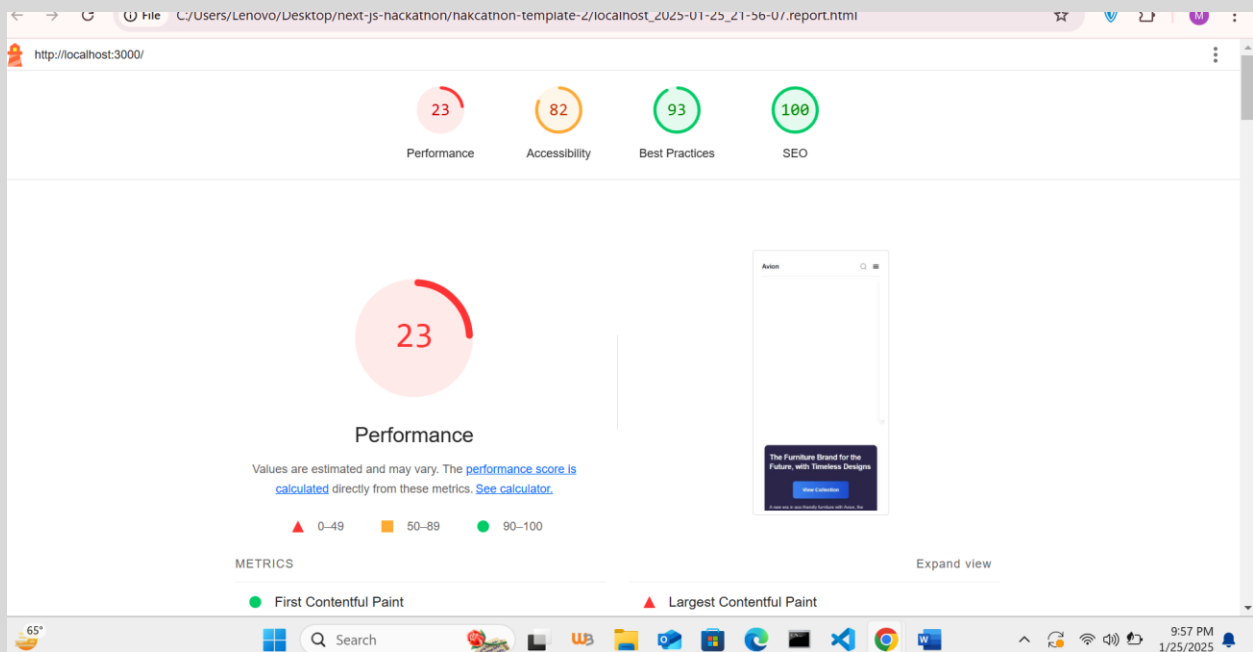
This partial screenshot shows the top portion of the REST client interface, including the request method (GET), URL (`https://hackathon-apis.vercel.app/api/products`), and the start of the response body (lines 1 and 2 of the JSON object).

CSV REPORT

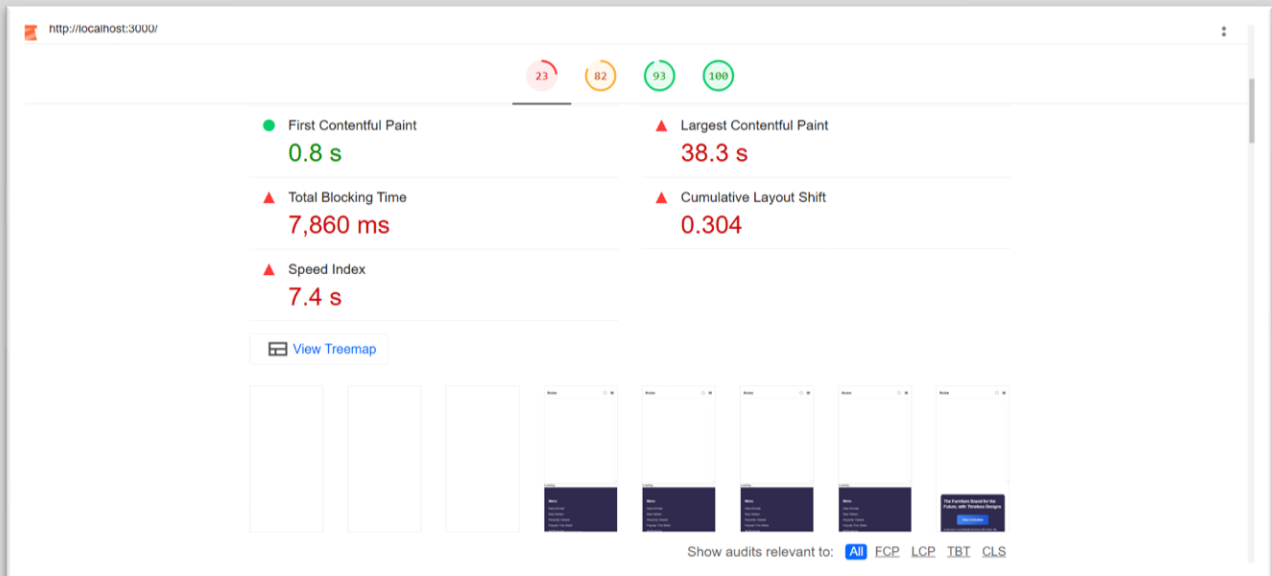
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	Works as expected
TC002	Test API error handling	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

Lighthouse Performance Metrics Overview.

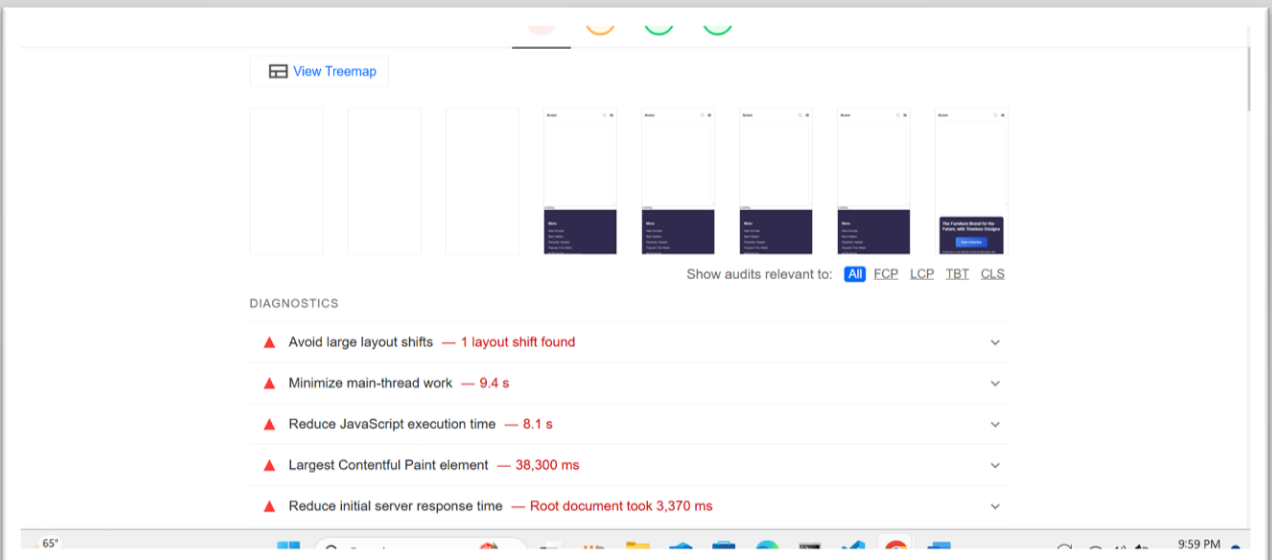
PERFORMANCE OPTIMIZATION



Diagnostics and Suggestions for Improved Performance.



2:



ACCESSIBILITY



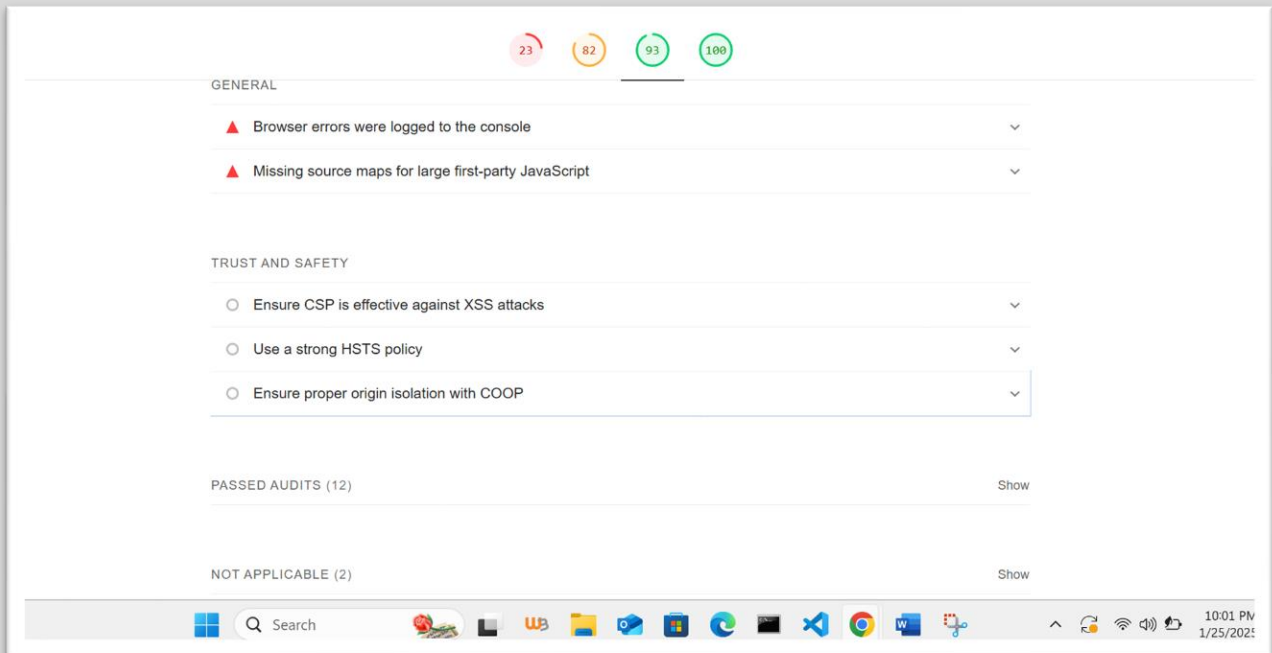
Accessibility

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.

BEST PRACTICES



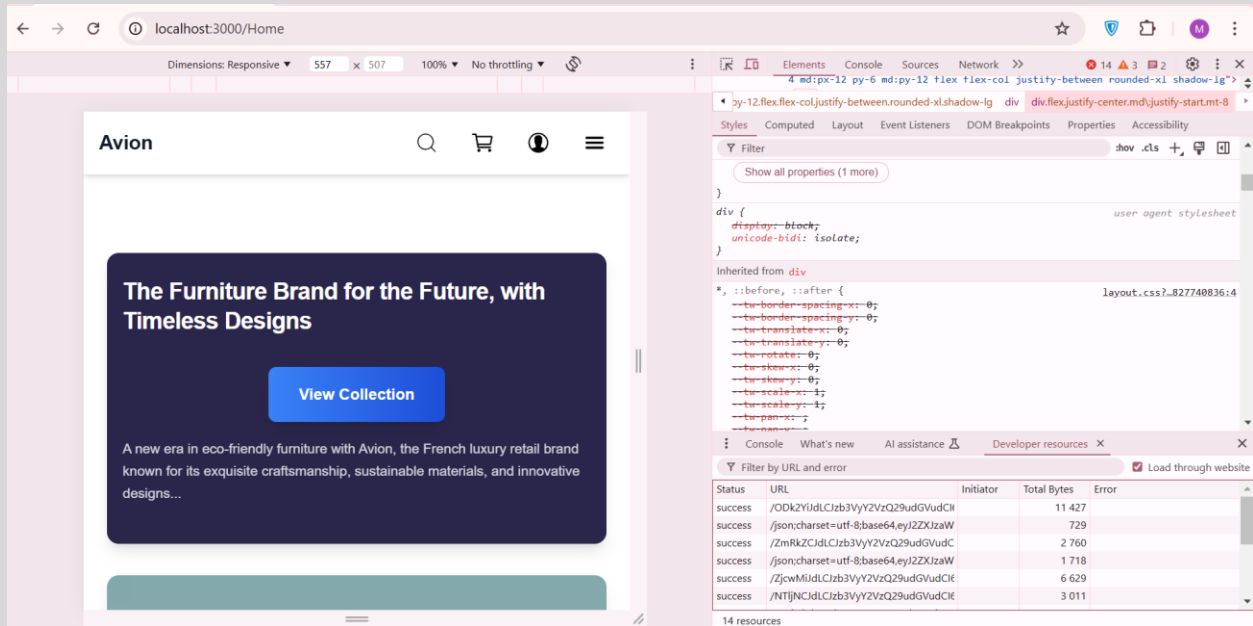
Best Practices



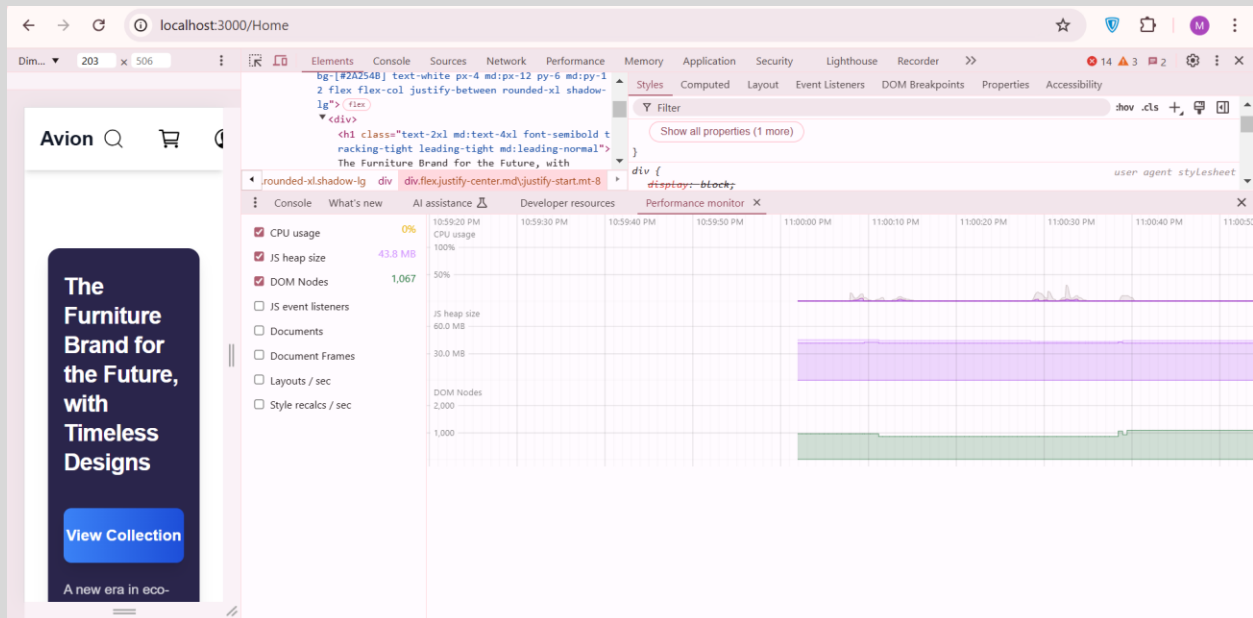
TRUST AND SAFETY

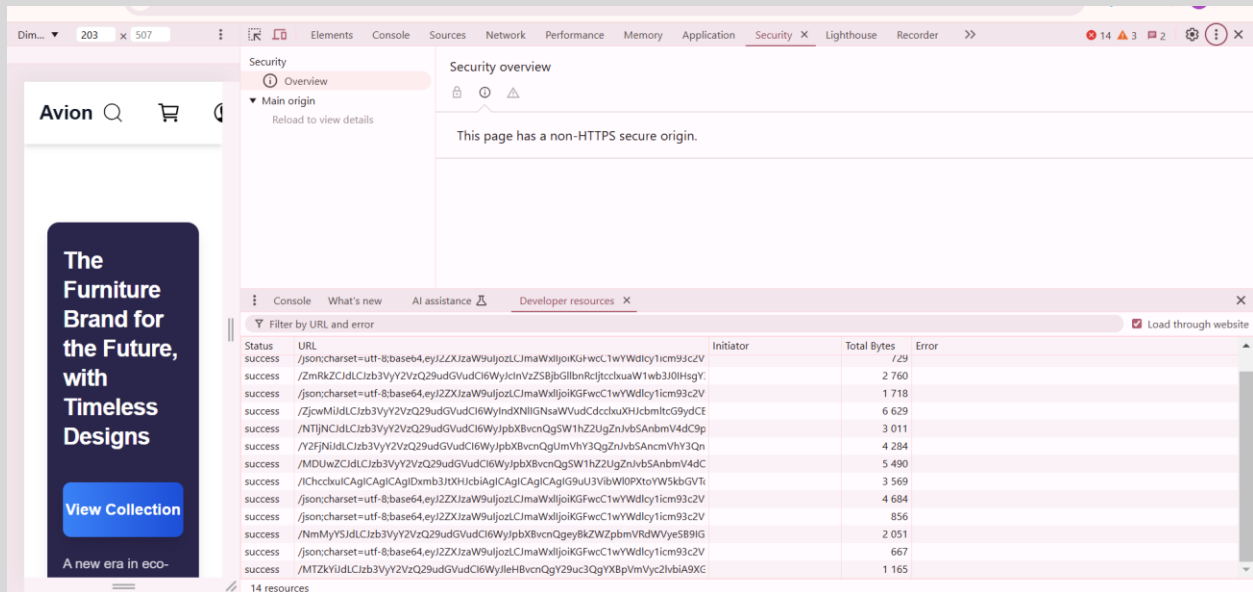
- **Ensure CSP is effective against XSS attacks**
- **Use a strong HSTS policy**
- **Ensure proper origin isolation with COOP**

Chrome Developer Tools - Performance Panel Overview.



Chrome Developer Tools - Security and Network Tab Insights.





THNAKYOU

Presented By:Mahnoor Naveed

Rollno:00218262

Slot:Wednesday7to10pm