

# DAY 5 - TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

## Steps for Implementation:

### Step 1: Functional Testing:

#### 1. Test Core Features:

Product listing: Ensure products are displayed correctly.

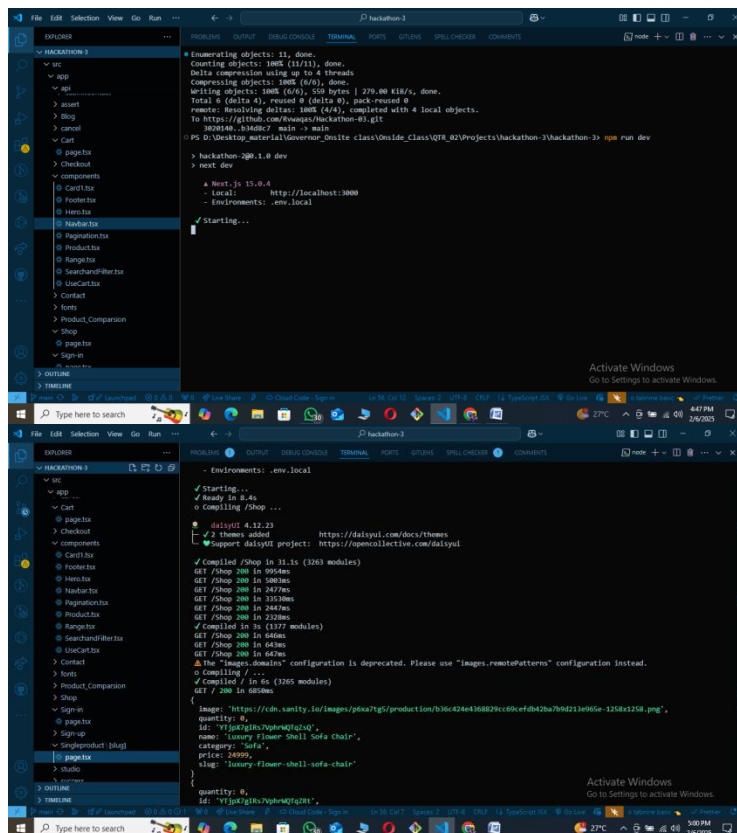
Filters and search: Validate accurate results based on user inputs.

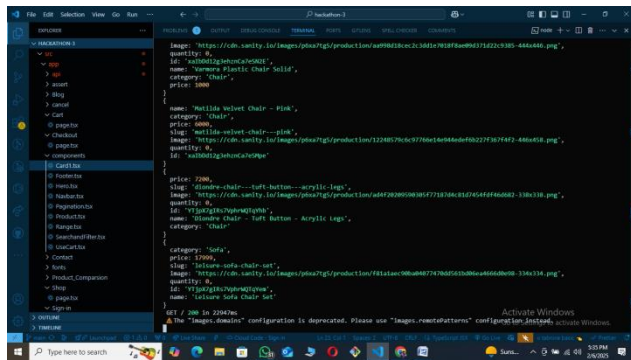
Cart operations: Add, update, and remove items from the cart.

Dynamic routing: Verify individual product detail pages load correctly.

ScreenShot:

**Fetching API for product listing.and successfully done**

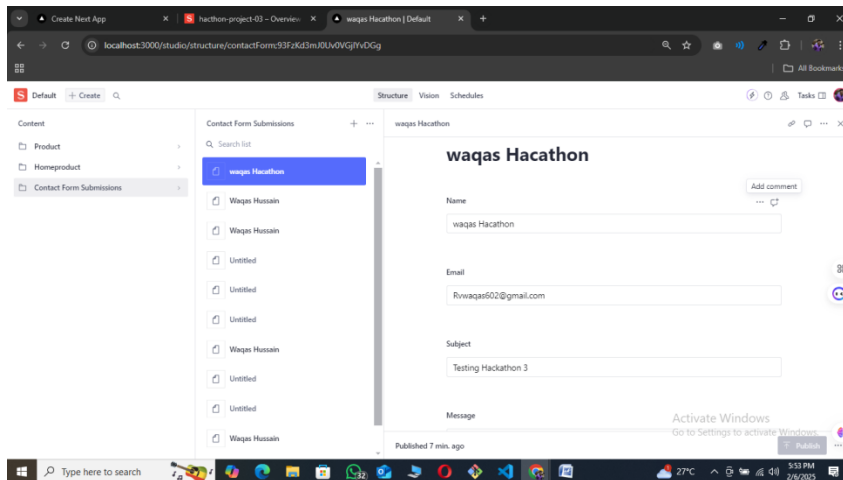




The screenshot shows a web browser window with the address bar displaying "amazing-tartufo-d20a04.netlify.app/Contact". The page content includes a contact form with the following details:

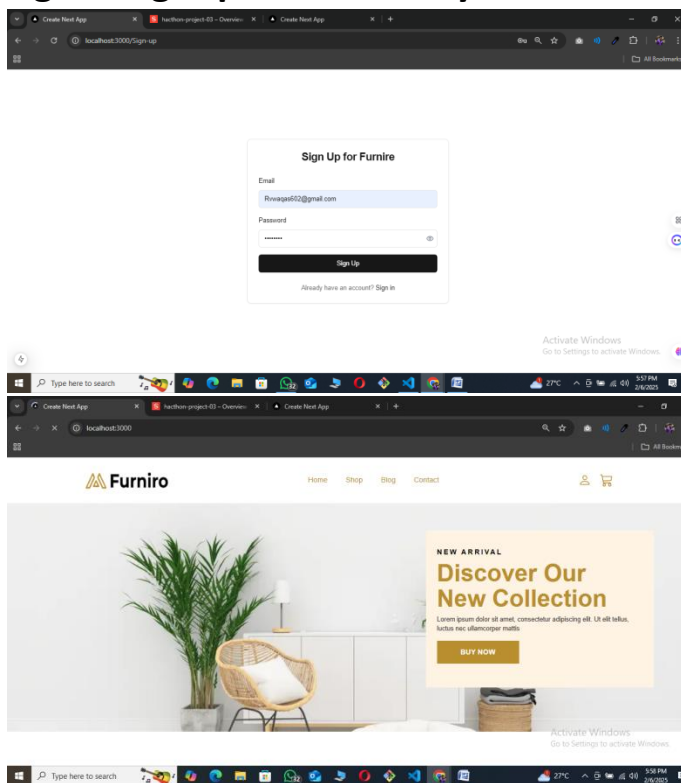
- Your Name:** wiaqes Hackathon
- Email Address:** Rvwagas002@gmail.com
- Subject:** Testing Hackathon 3
- Message:** Screen short Hackathon

A dark modal box is overlaid on the form, displaying the message: "amazing-tartufo-d20a04.netlify.app says Form submitted successfully!". Below the message is an "OK" button. At the bottom of the form, there is a green "Submitting..." button.

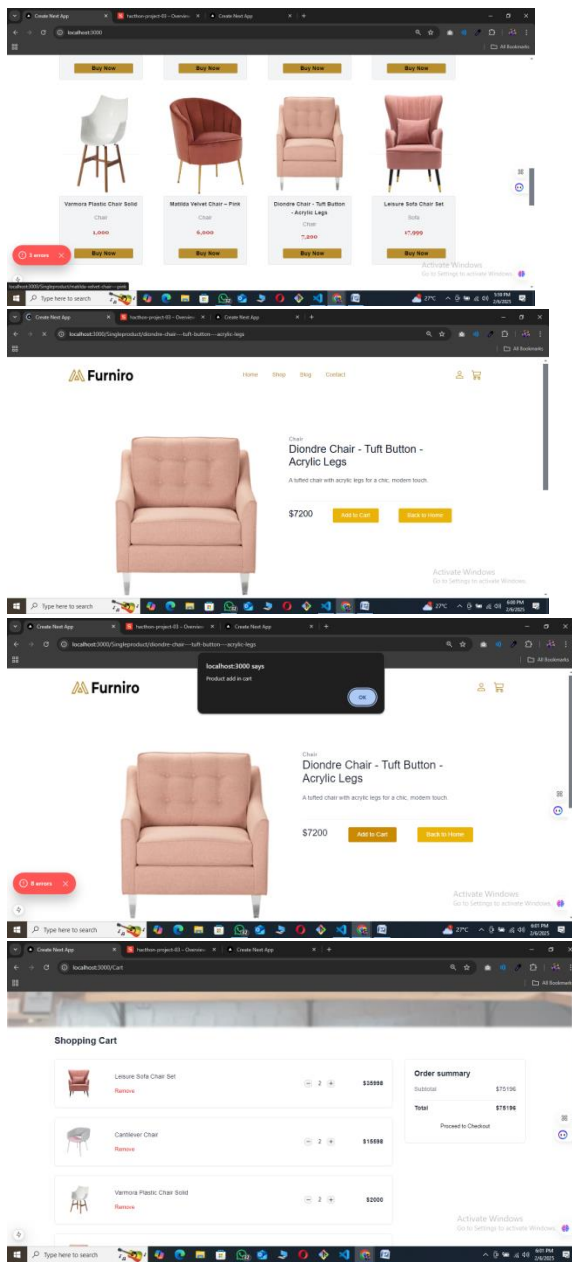


**Contact form data save in sanity sucessfully.**

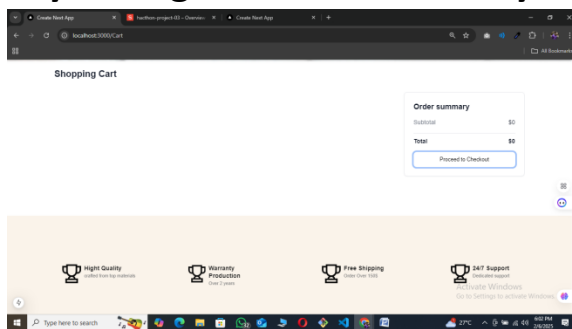
**SignIn Signup functionailty successfully done.**

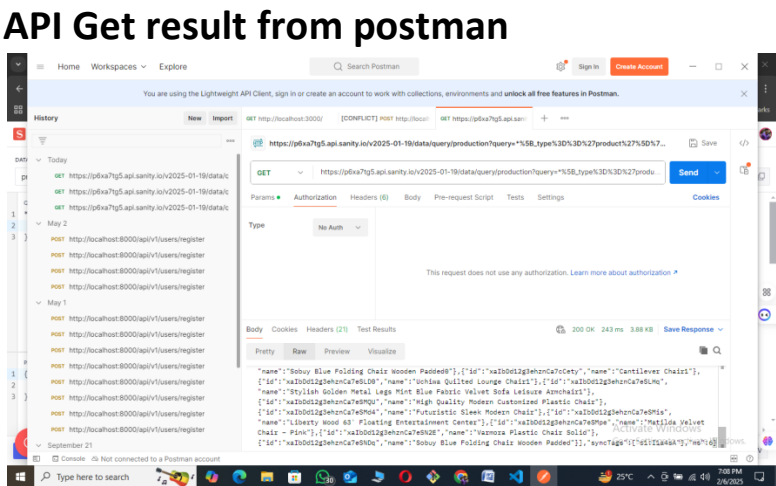


**Add to cart successfully done**

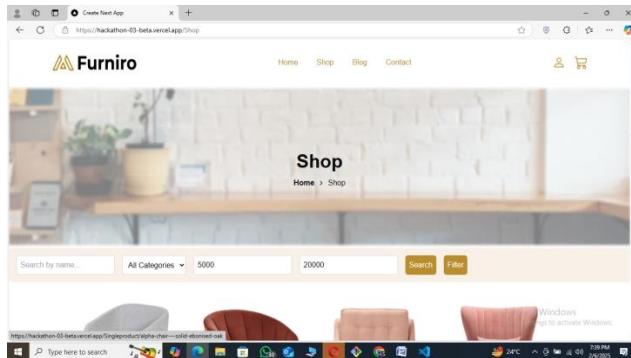


Payment gateway successfully done.

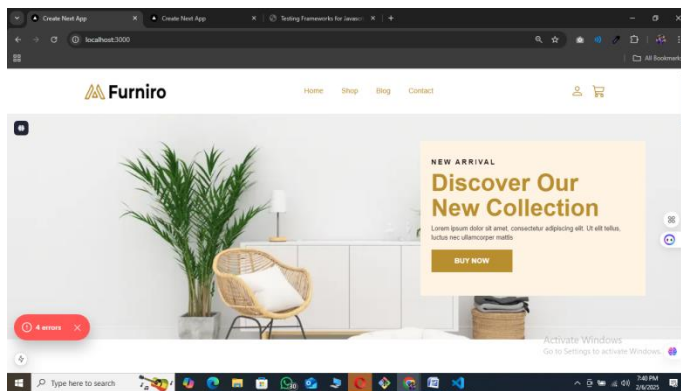




## Cross platform Show perfect results: Microsoft Edge



## Chrome:



## Here are the test case tables for the specified scenarios:

### Test Summary

This report provides a detailed overview of the test execution results for the following modules: Signup Form, Add to Cart, Payment Method, and Responsiveness. The tests were conducted to ensure the functionality, usability, and reliability of the application across different scenarios and devices .

### Signup Form

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate signup form with valid credentials	Open signup page > Enter valid details > Submit	User registered successfully	User registered successfully	Passed	Low	-	No issues found
TC002	Test signup form with invalid email	Open signup page > Enter invalid email > Submit	Error message displayed	Error message displayed	Passed	Medium	-	Handled gracefully
TC003	Check Same Email enter	Open signup page > Enter email address > Submit	Error message displayed	Error message displayed	Passed	High	-	Works as expected

### Add to Cart

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC004	Validate add to cart functionality	Open Shop page >	Cart updates with	Cart updates as	Passed	High	-	Works as expected

	y	Click product > click add to cart	added product	expected				
TC005	Test add to add or subtract product	Open cart page > click on plus > Verify cart content update	Error Cart updates correctly	Error Cart updates correctly	Passed	Medium	-	Handled gracefully
TC006	Check cart update on product removal	Open cart page > Remove product > Verify cart contents	Cart updates correctly	Cart updates correctly	Passed	Low	-	No issues found

## Payment Method

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC007	Validate payment with valid credit card	Open checkout page > Enter valid credit card details > Submit	Payment successful	Payment successful	Passed	High	-	Works as expected
TC008	Test payment with invalid credit card	Open checkout page > Enter invalid credit	Error message displayed	Error message displayed	Passed	Medium	-	Handled gracefully



		card details > Submit						
TC009	Check payment with Stride	Open checkout page > Select PayPal > Complete payment	Payment successful	Payment successful	Passed	Low	-	No issues found

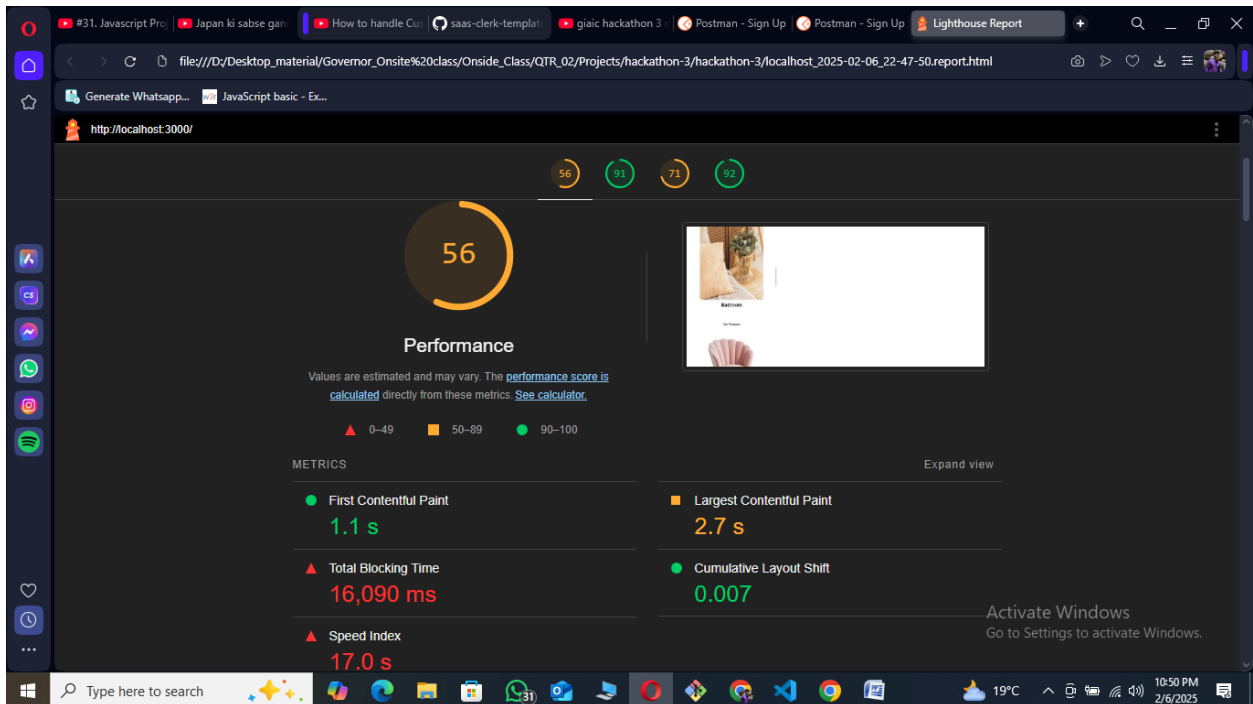
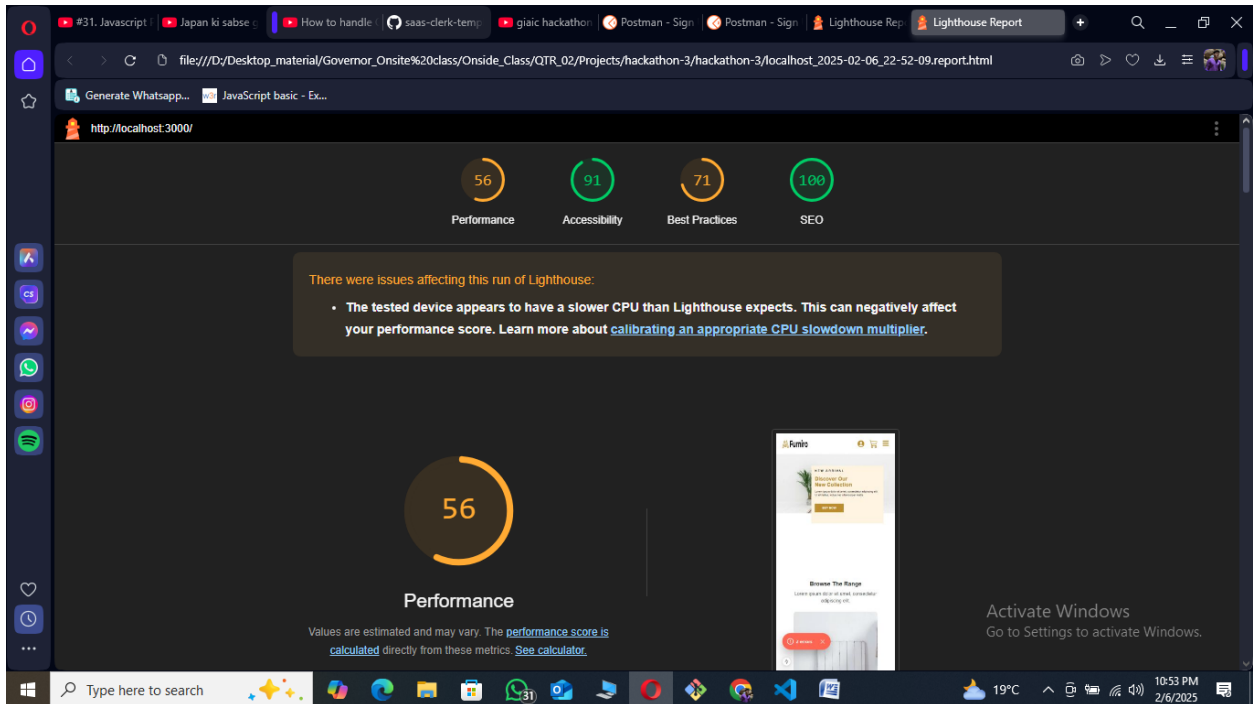
## Responsiveness

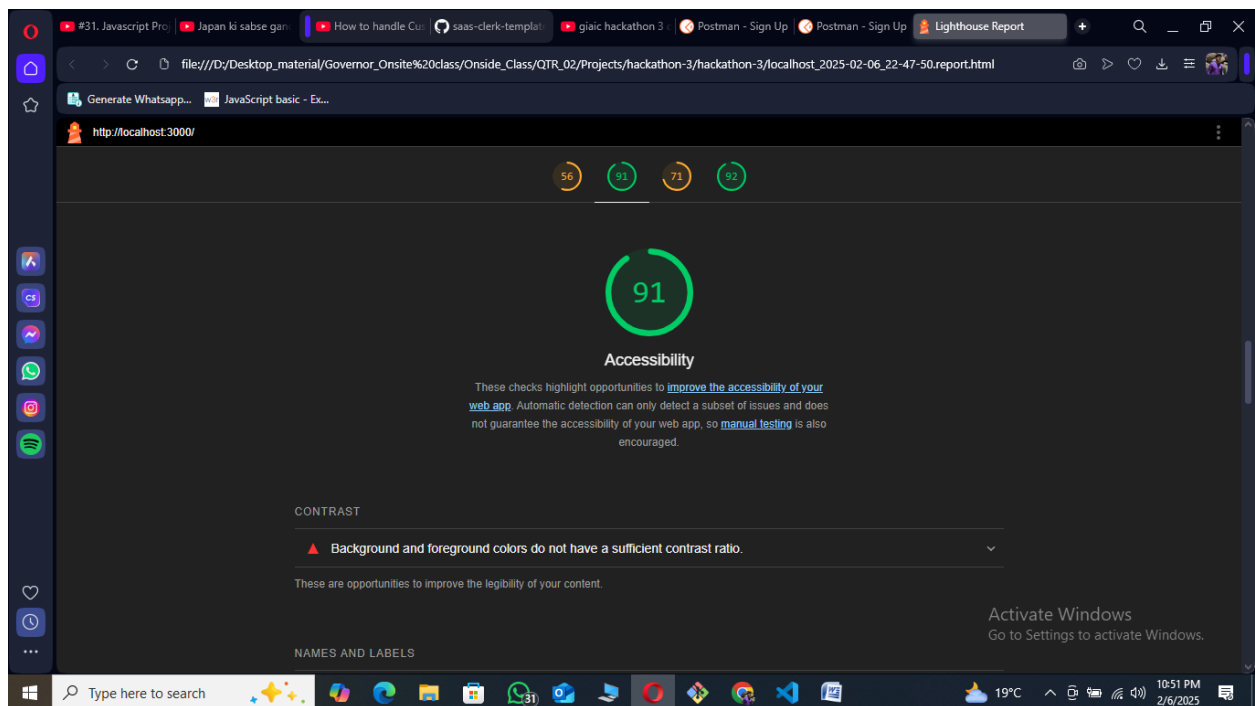
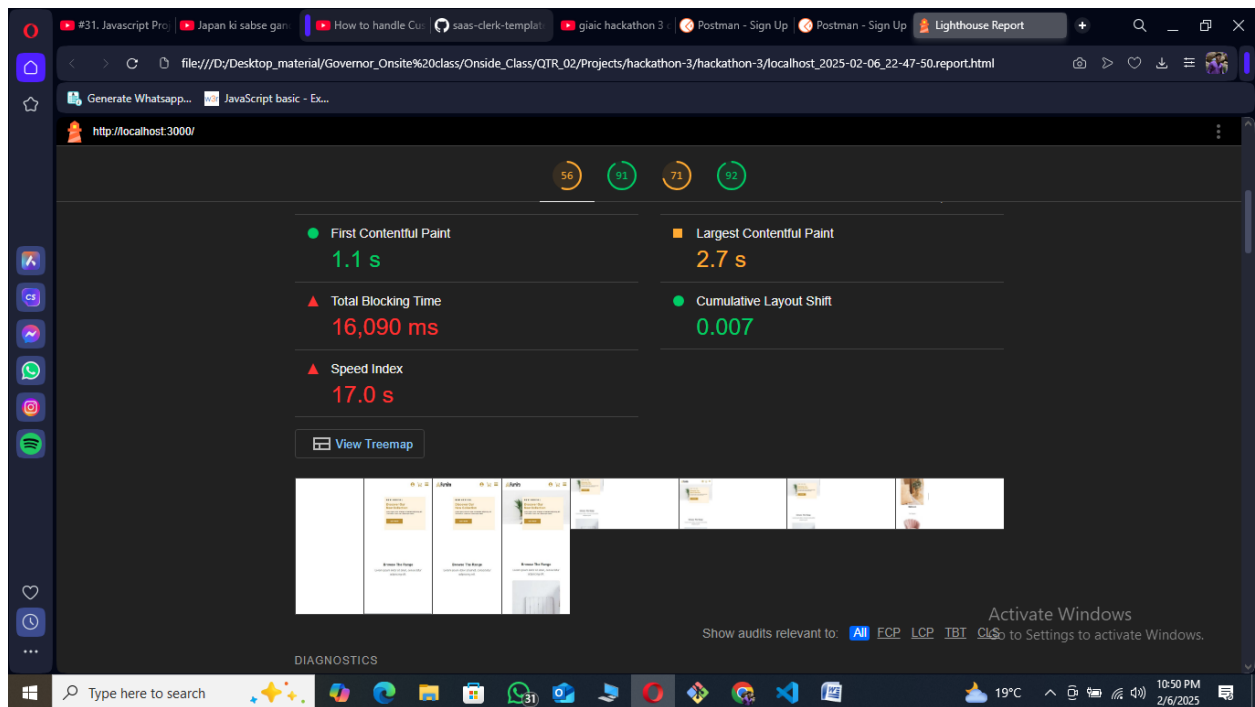
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC010	Ensure responsiveness on mobile	Resize browser window to mobile size > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	-	Test successful
TC011	Test responsiveness on tablet	Resize browser window to tablet size > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Low	-	No issues found
TC012	Check responsiveness on desktop	Resize browser window to desktop size > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	High	-	Works as expected

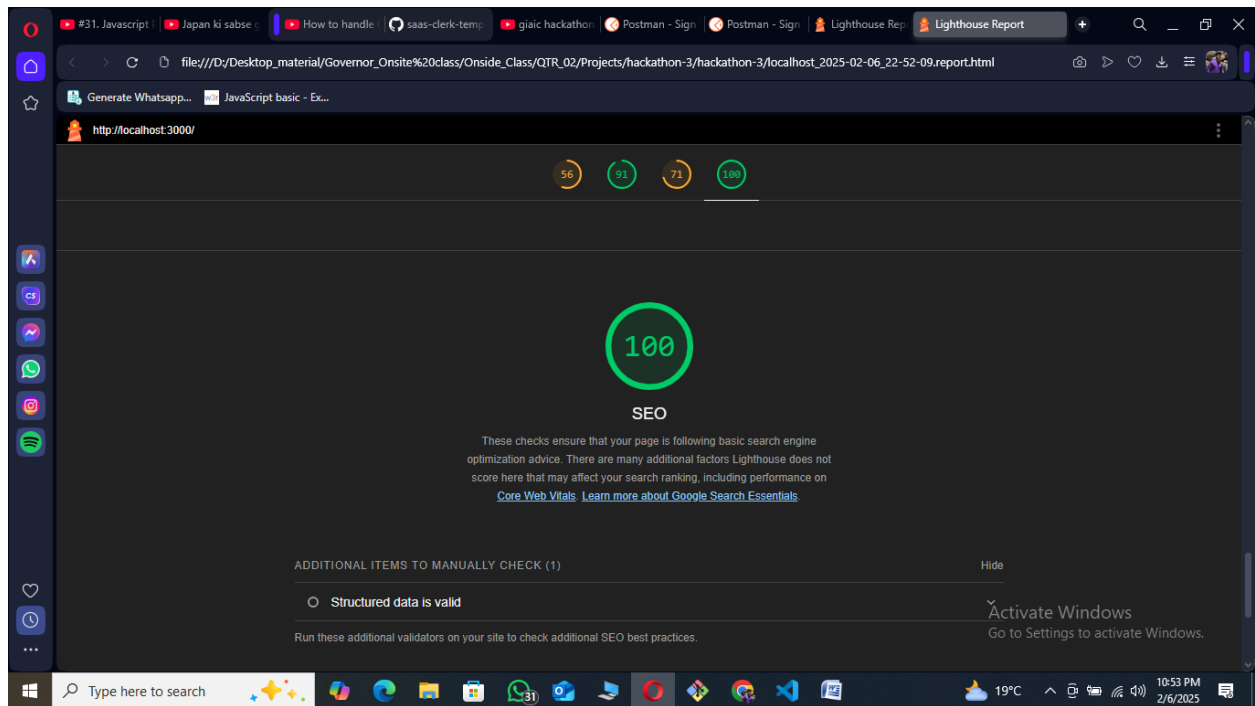
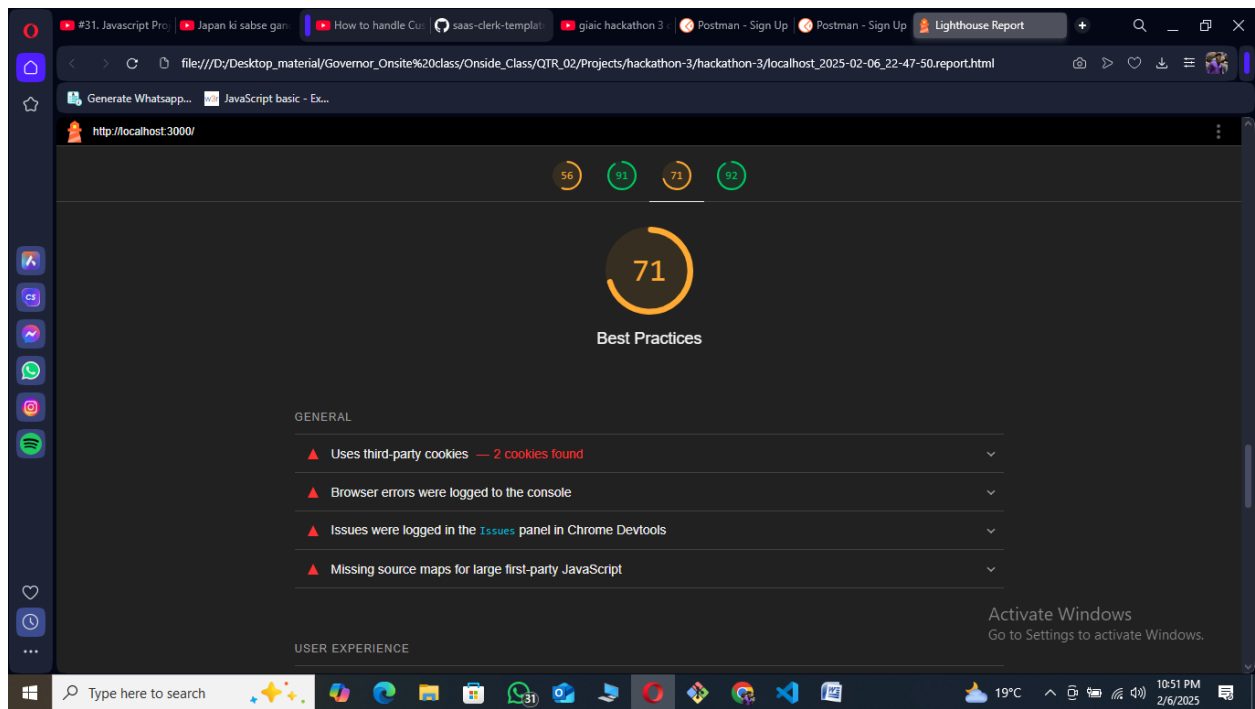
## **Conclusion :**

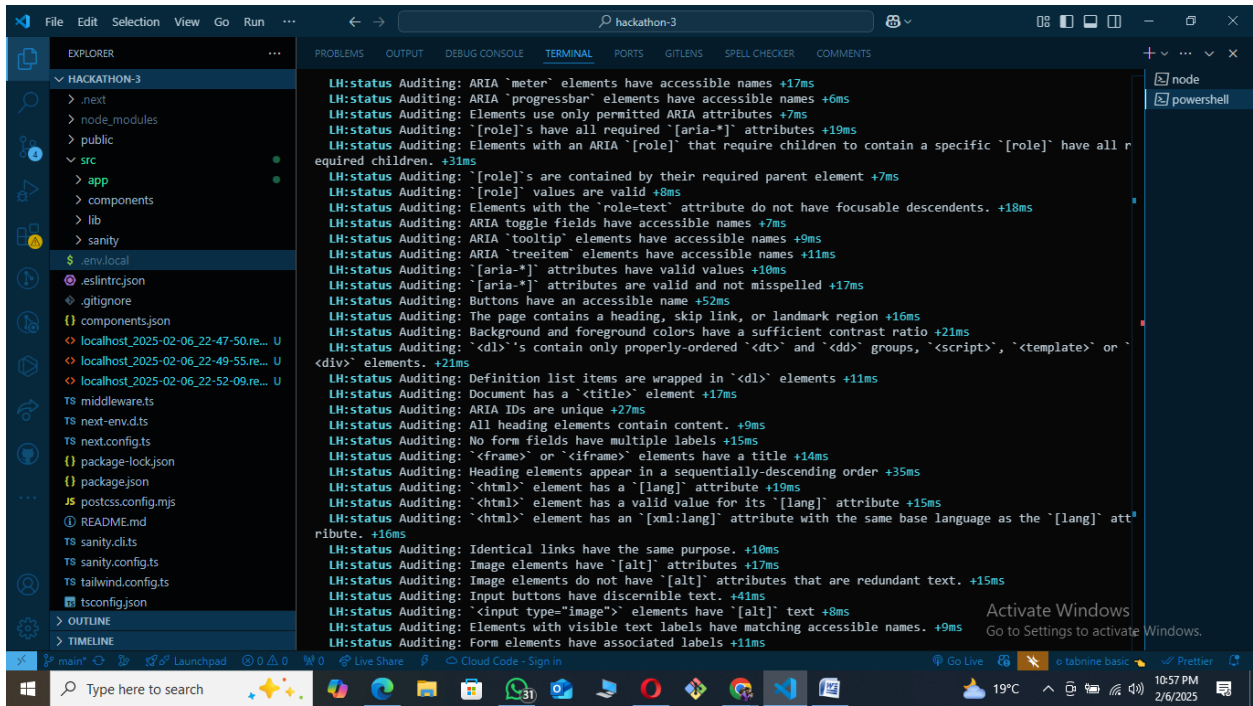
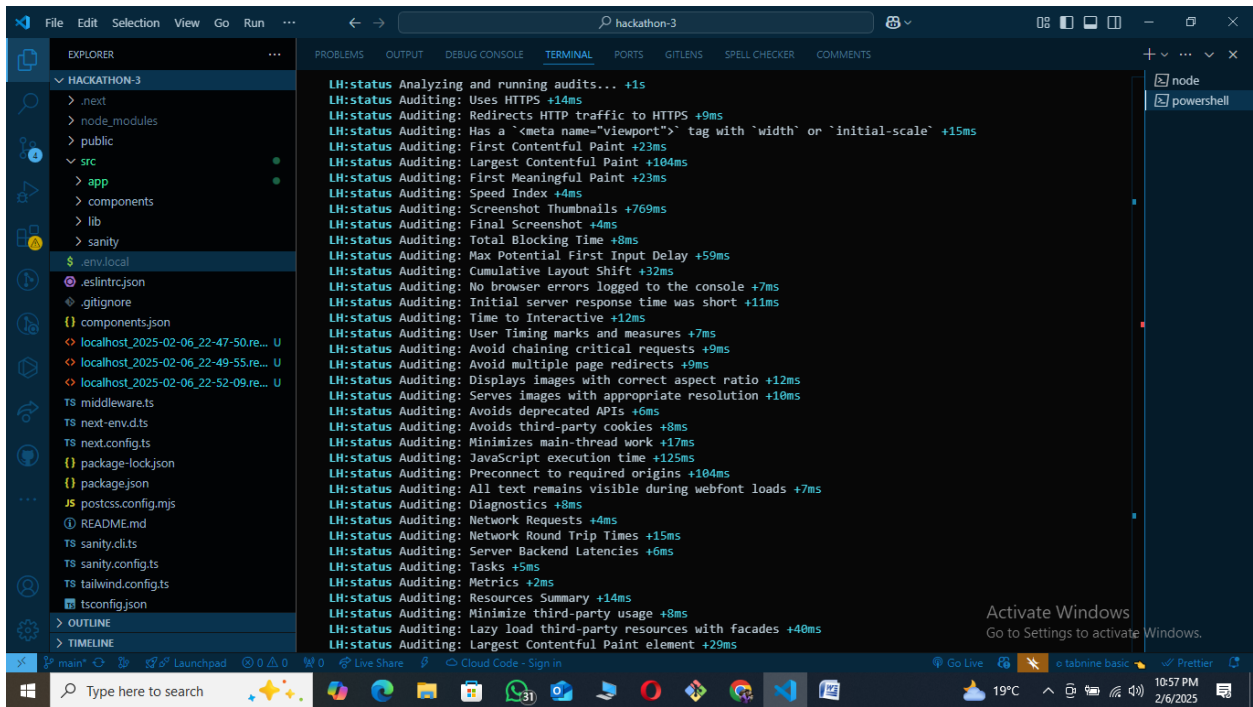
All test cases were executed successfully with no failures. The application performed as expected across all tested functionalities. No critical issues were found, and all scenarios were handled gracefully.

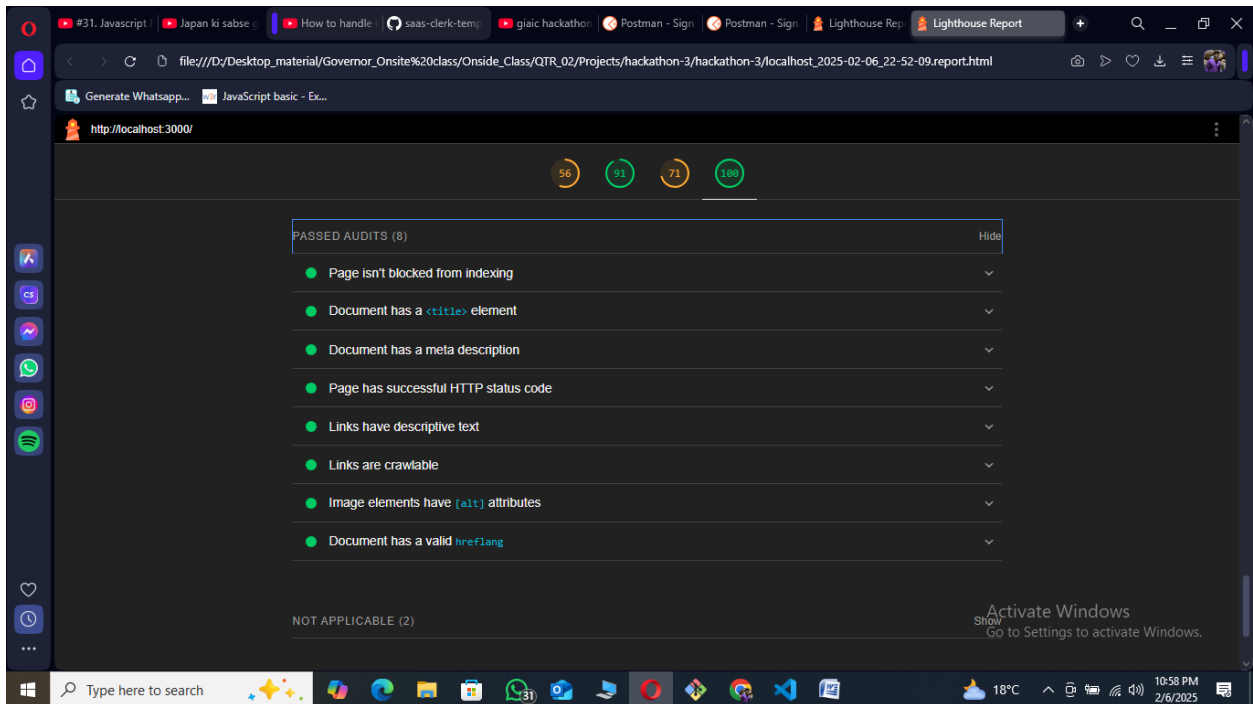
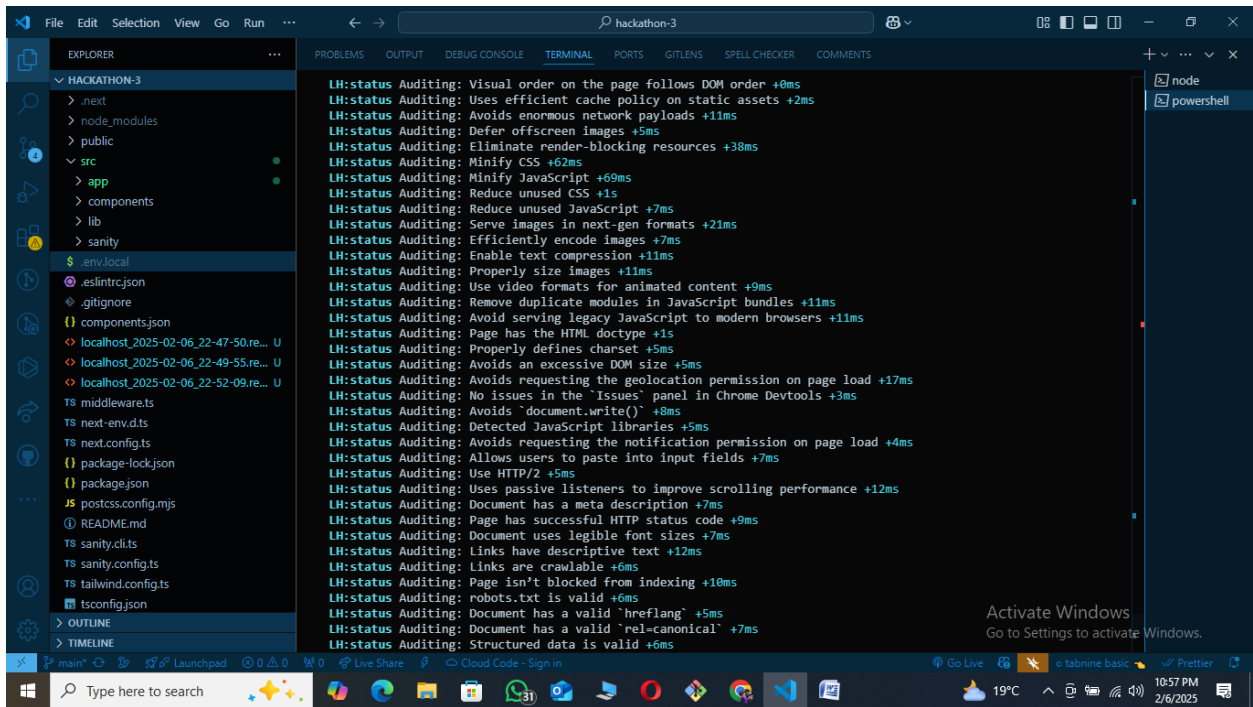
# Performance Optimization:

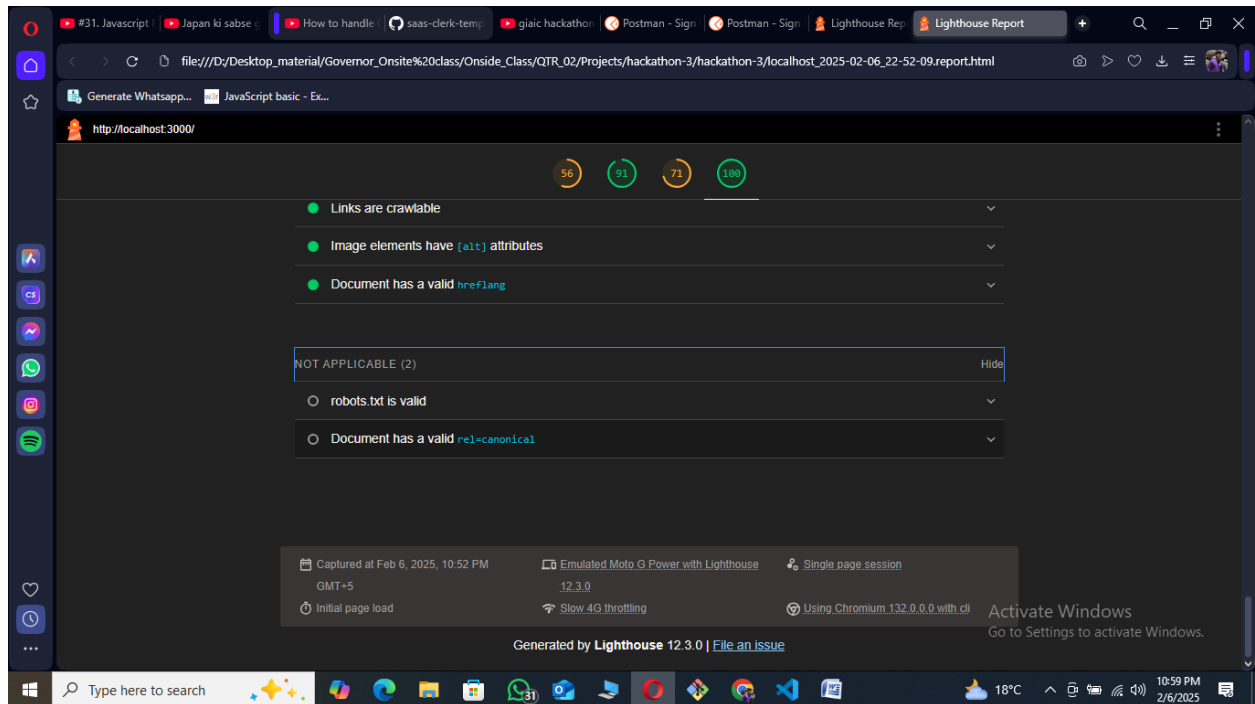












#### ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Hide

Structured data is valid

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

#### PASSED AUDITS (8)

Hide

Page isn't blocked from indexing

Document has a <title> element

Document has a meta description

Page has successful HTTP status code

Links have descriptive text

Links are crawlable

Image elements have [alt] attributes

Document has a valid hreflang

#### NOT APPLICABLE (2)

Hide

robots.txt is valid

Document has a valid rel=canonical

- Captured at Feb 6, 2025, 10:52 PM GMT+5
- Emulated Moto G Power with Lighthouse 12.3.0
- Single page session
- Initial page load
- Slow 4G throttling
- Using Chromium 132.0.0.0 with cli

Generated by **Lighthouse 12.3.0** | [File an issue](#)



## Developer Resources:

The screenshot shows a web browser at localhost:3000 displaying a website named 'Furniro'. The website has a navigation bar with links for Home, Shop, Blog, and Contact. The main content area features a 'NEW ARRIVAL' banner with the text 'Discover Our New Collection' and a 'Browse The Range' section below it. The developer tools are open, showing the 'Elements' panel with the HTML structure of the banner, the 'Styles' panel with the CSS rules, and the 'Network' panel with a list of resources.

**Elements Panel:**

```
<div class="w-[1000px] h-auto md:w-[1000px] md:h-[720px] relative">
  
  <div class="absolute top-10 right-10 md:top-[12%] md:right-20 w-[250px] h-[200px] md:w-[500px] md:h-[343px] px-3 md:px-6 py-3 md:py-10 bg-[#FFF3E3] md:block">
    <div class="px-[20px] w-[60%] h-[685px] m-auto mt-[200px] md:mt-[90px]">
      <h-screen div.w-[1000px] h-auto md:w-[1000px] md:h-[716px] relative
        <img object-cover bg-cover h-auto w-[1000px] md:h-[500px] />
      </div>
    </div>
  </div>
</div>
```

**Styles Panel:**

```
element.style {
  color: transparent;
}
@media (min-width: 768px) {
  .md:h-[500px] {
    height: 500px;
  }
}
```

**Network Panel:**

Status	URL	Initiator	Total Bytes	Error
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		774	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		1 272	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		2 492	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		914	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		4 309	
success	/OIBzdHJpbmc7G1pblBjYWVWIPzognbVYmVnYn		4 277	
success	/ACdZy1bi0H04OEUyRlOmDogJ2JnLVsRjIGMUU3		2 666	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		403	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		550	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		546	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		538	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		2 219	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozL		2 853	

## Performance Monitor:

The screenshot shows a web browser at localhost:3000 displaying a website named 'Furniro'. The website has a navigation bar with links for Home, Shop, Blog, and Contact. The main content area features a 'NEW ARRIVAL' banner with the text 'Discover Our New Collection' and a 'Browse The Range' section below it. The developer tools are open, showing the 'Performance' panel with a timeline of events and a list of resources.

**Performance Panel:**

Metric	Value
CPU usage	0.1%
JS heap size	103 MB
DOM Nodes	1,319
JS event listeners	2,668
Documents	3
Document Frames	2
Layouts / sec	0
Style recalcs / sec	0

**Timeline:**

The timeline shows a series of events over time, including CPU usage, JS heap size, DOM Nodes, JS event listeners, Documents, Document Frames, Layouts / sec, and Style recalcs / sec. The events are plotted on a graph with a time axis from 11:11:30 PM to 11:12:50 PM.

# Security:

