

## Day-5: “Error Testing & Handling Backend Integration ( Beadedwear )”

In this document I have described the errors faced and my website performance insight, API performance and status.

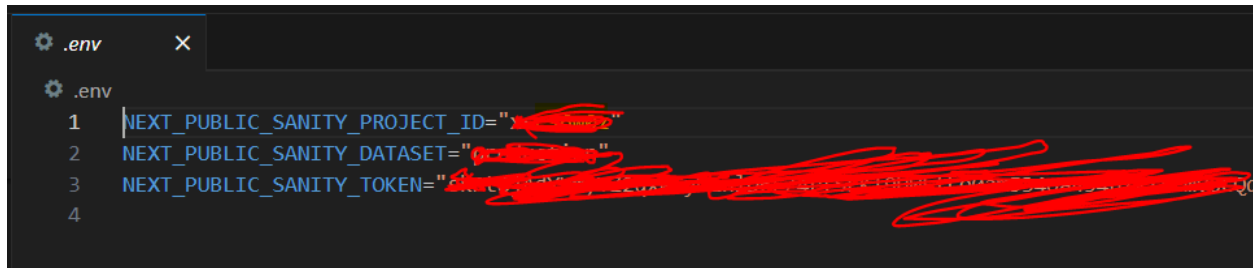
### Testing Report:

Test Case ID	Description	Steps	Expected Result	Actual Result	Status	Severity	Remarks
TC001	Add product to cart	Click on "Add to Cart" button	Product added to cart successfully	Works as expected	Passed	Low	No issues found
TC002	API error handling	Disconnect API	Fallback error shown "error fetching product: _"	Worked as expected	Passed	Low	great
TC003	Contact form validation	Submit form without email	"Email is required" message shown	Form shows correct error message	Passed	Low	Validation successful
TC004	Categories	When clicked shows product related to category	Show products of the desired category	Showed products of the specific category	Passed	Low	Works as expected
TC005	Product Listing	Shows All Products	Show all products available	Showed all products	Passed	Low	Takes 1 mint to load
TC006	Hamburger	Show on small screens act as navbar	Open and close, and navigate through pages	Acted as navbar on small screens	Passed	Low	Worked as expected
TC007	Shop Now button on home page	Click on "Shop Now" button	Open Products List page	Opened products list page	Passed	Low	No issue
TC008	Security	All API calls Should be secure	All API calls should use HTTPS	All API calls are secure and use HTTPS	Passed	Low	Working fine

## Functional Deliverables:

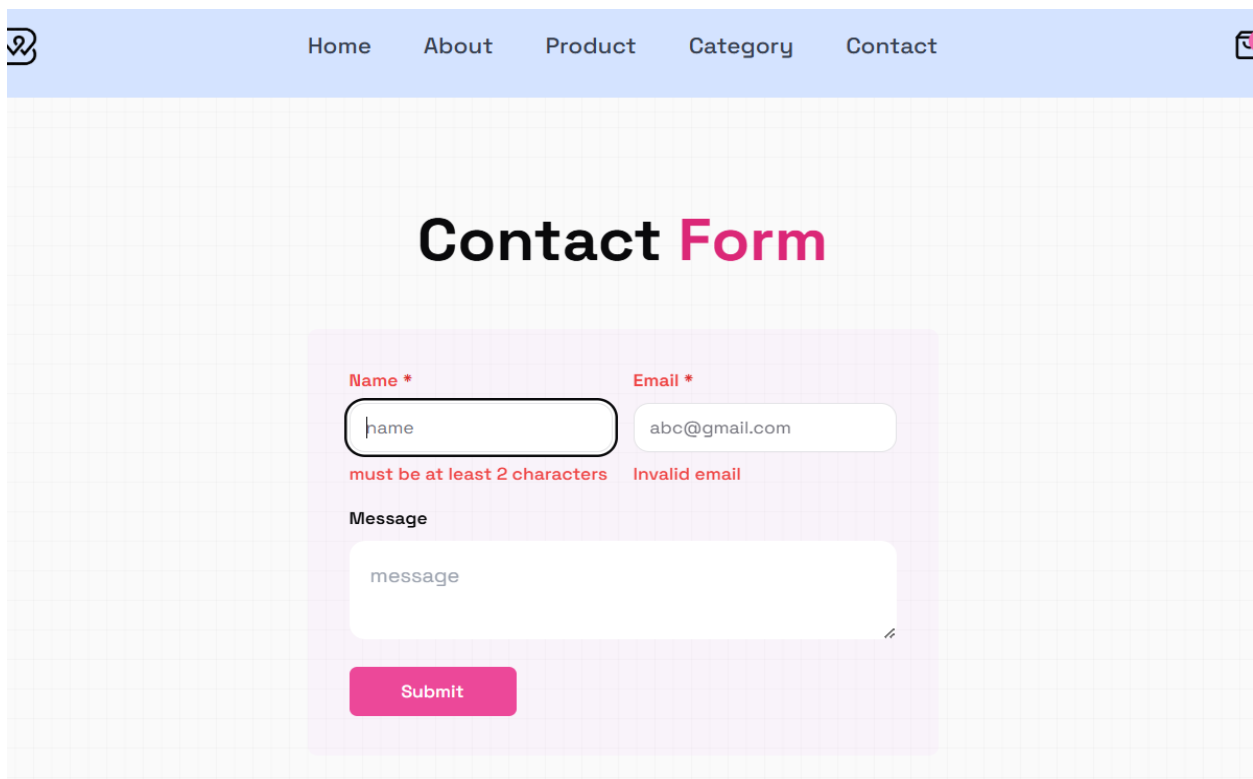
### Security Measures:

For security purpose I stored my sensitive data like Sanity API token in the environment variable file, `.env`



```
.env
1 NEXT_PUBLIC_SANITY_PROJECT_ID="..."
2 NEXT_PUBLIC_SANITY_DATASET="..."
3 NEXT_PUBLIC_SANITY_TOKEN="..."
4
```

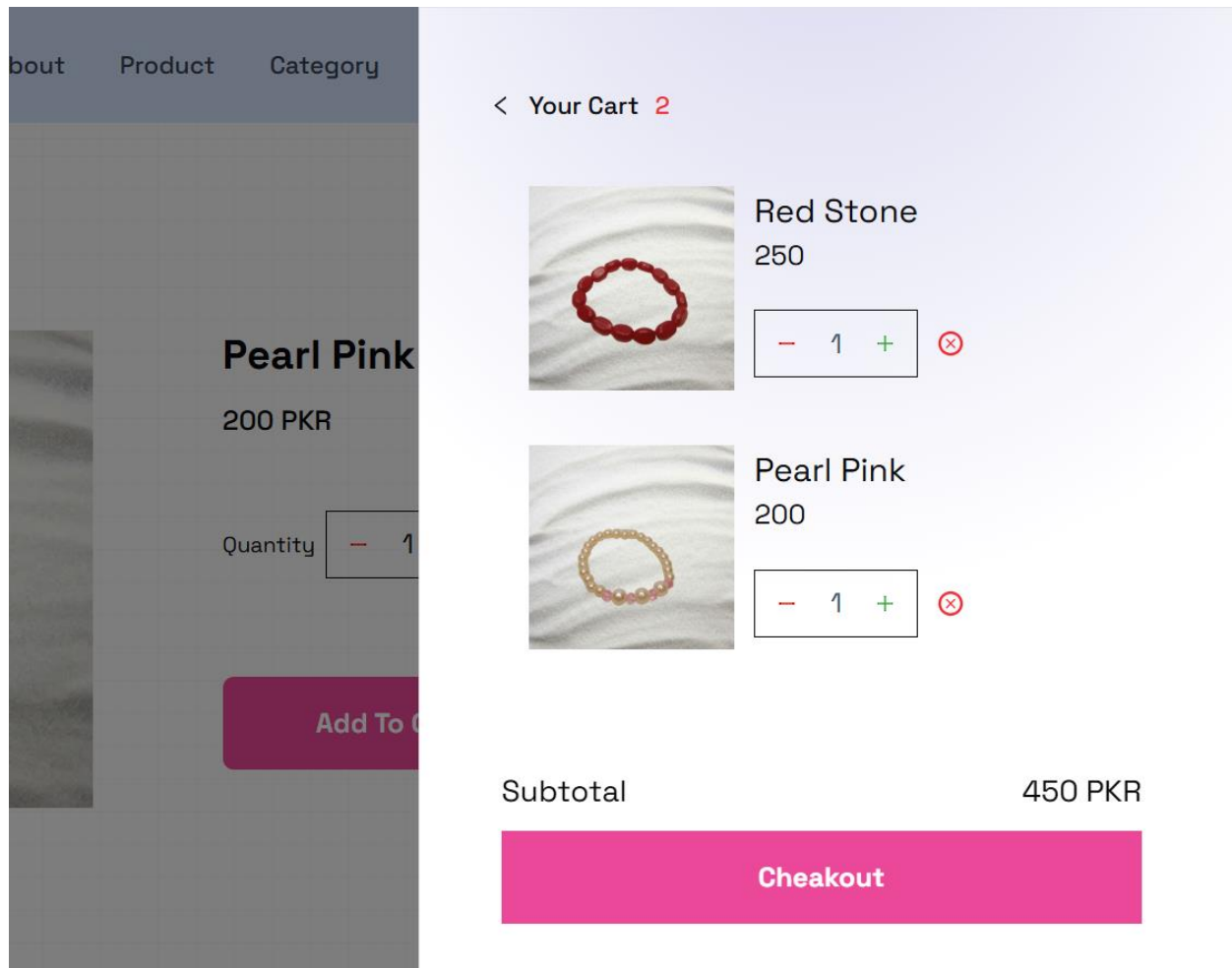
**Conatct From:** Used zod and react-hook-form for validations,



The screenshot shows a web application with a navigation bar containing links: Home, About, Product, Category, and Contact. The main content area features a large heading "Contact Form" in a bold, pink font. Below the heading is a contact form with a light pink background. The form includes two input fields for "Name \*" and "Email \*". The "Name \*" field contains the text "hame" and has a red error message below it: "must be at least 2 characters". The "Email \*" field contains the text "abc@gmail.com" and has a red error message below it: "Invalid email". Below these fields is a larger text area for "Message" containing the text "message". At the bottom of the form is a pink "Submit" button.

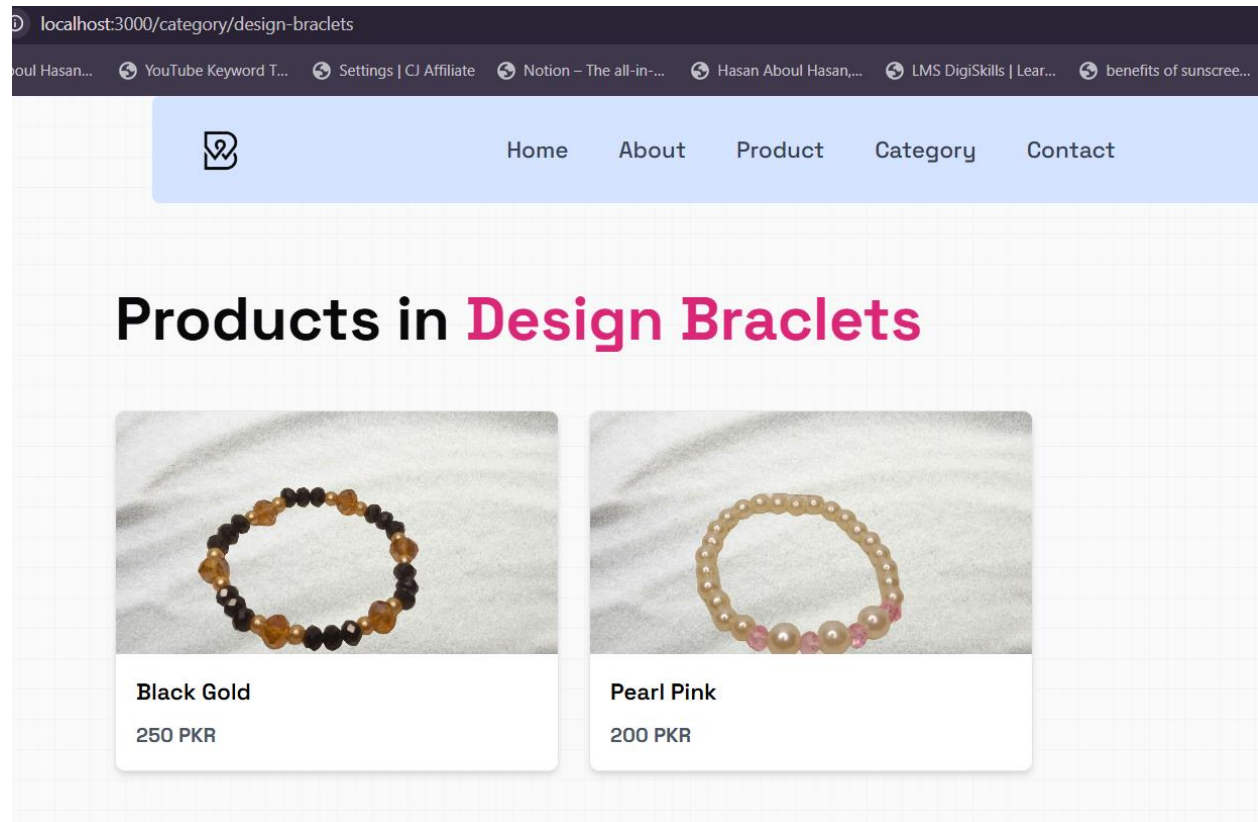
### Cart:

In the Cart I managed the real time changes using react states createContext and useState for quantity, price calculations , add and remove etc



### Category Product:

Made dynamic categories page and fetched products for the desired category from sanity with state management using react hooks (useState and useEffect),



## Performance Testing Report:

[Report Link](#)

Analyze

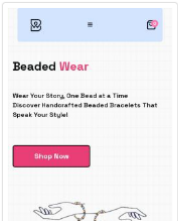
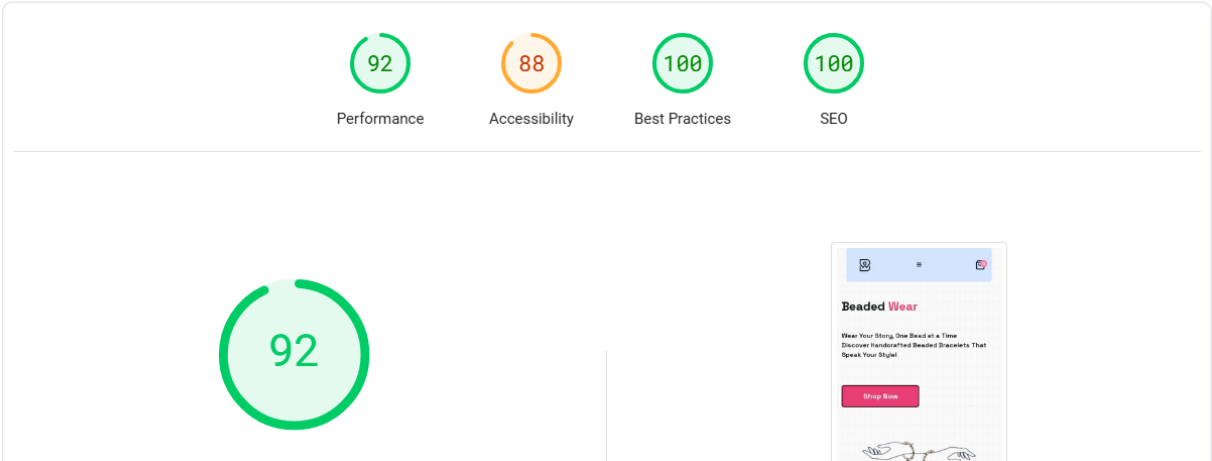
Mobile

Desktop

Discover what your real users are experiencing

No Data

Diagnose performance issues



Accessibility

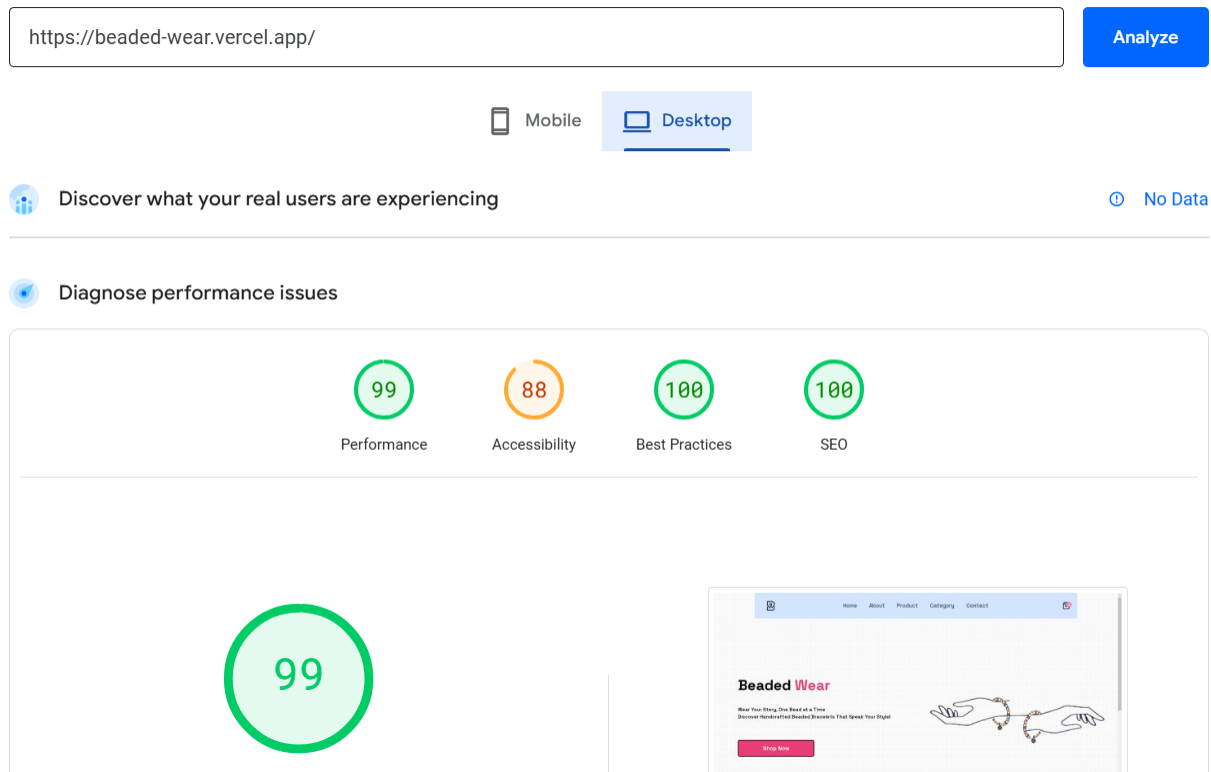
These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

CONTRAST

- ▲ Background and foreground colors do not have a sufficient contrast ratio.
- ▲ Links rely on color to be distinguishable.

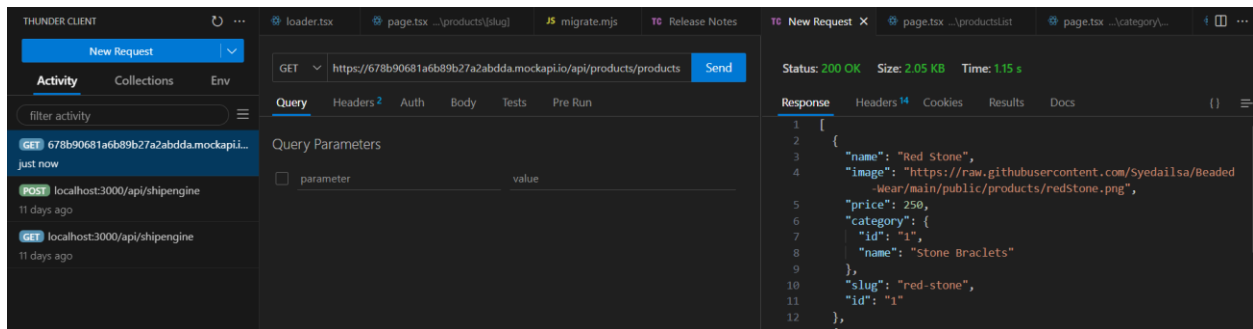
These are opportunities to improve the legibility of your content.

Report from Jan 26, 2025, 12:57:07 AM



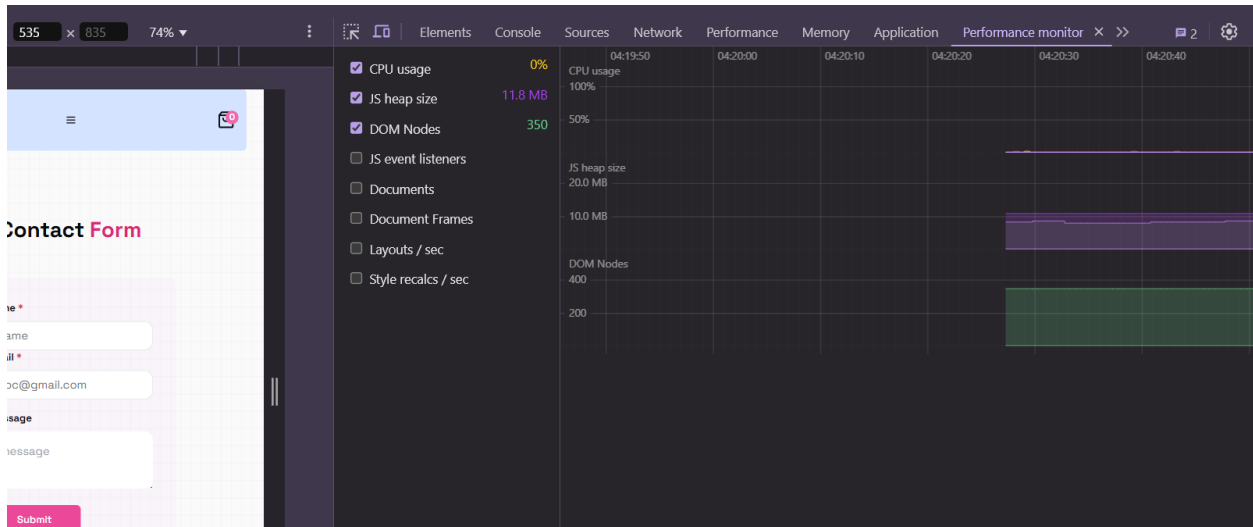
## API Status Test:

Used thunder client extension to test,



## Developer Resources:

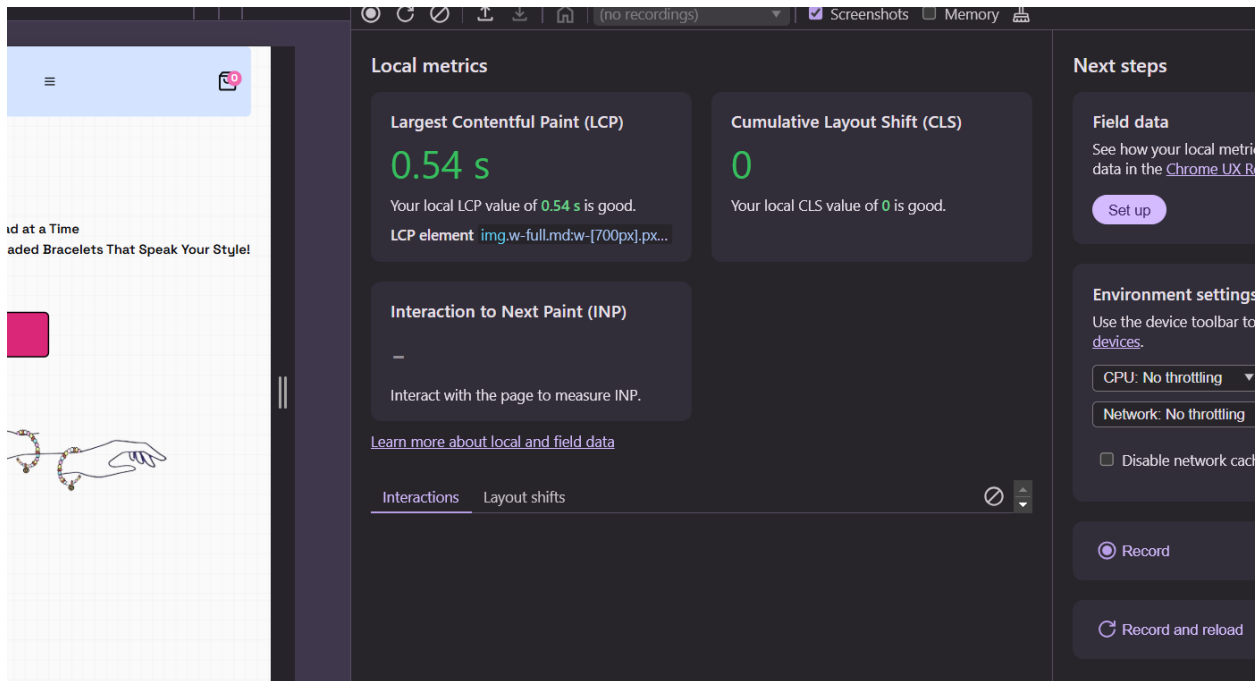
*Performance monitor:*



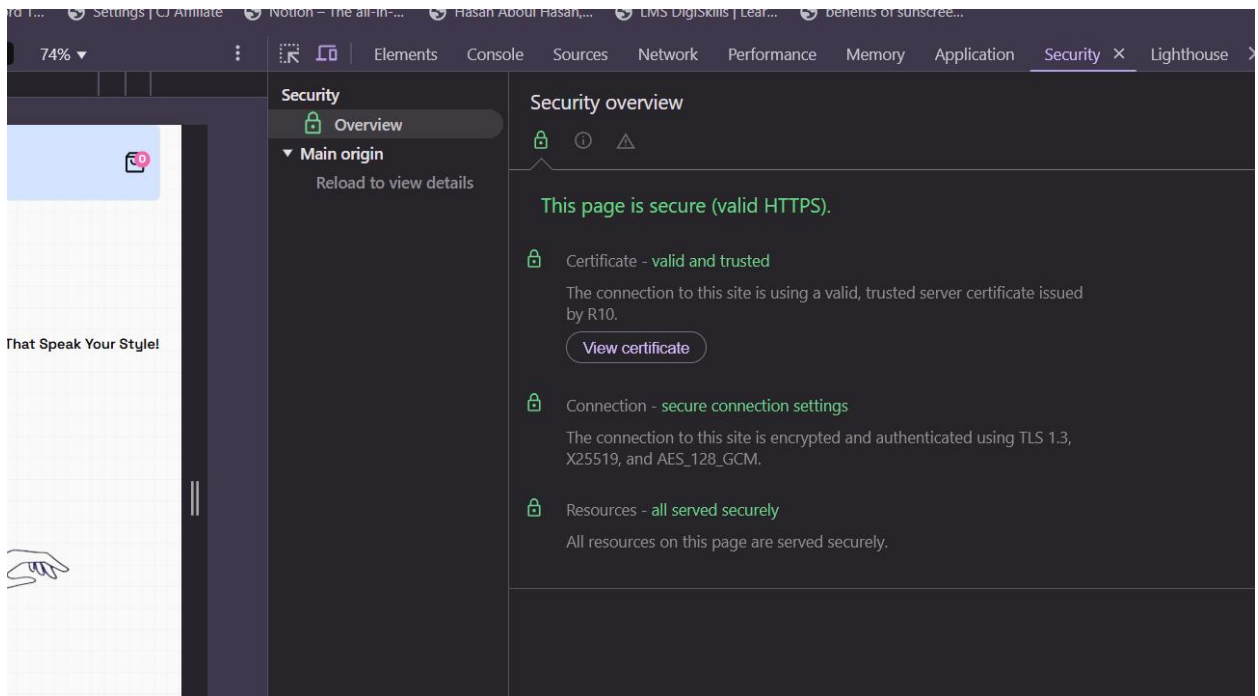
## Issue:

The screenshot shows the Chrome DevTools Issues panel. The error message is: "An element doesn't have an autocomplete attribute". The description states: "A form field has an `id` or `name` attribute that the browser's autofill recognizes. However, it doesn't have an `autocomplete` attribute assigned. This might prevent the browser from correctly autofilling the form. To fix this issue, provide an `autocomplete` attribute." The affected resources are listed as "2 resources". A link to "Learn more: HTML attribute: autocomplete" is provided.

## Local Metrics:



## Security:



## Challenges Faced:



Faced CORS Header origin error in which 3<sup>rd</sup> party API was blocked due to security measures and my API was not able to fetch the data

**Solution:**

Instead of adding my vercel domain directly to sanity CORS, I created a route.ts file for products list and dynamic product detail page to fetch the data from sanity through GET method and then used it in my frontend to flase the 3<sup>rd</sup> party use in frontend.

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