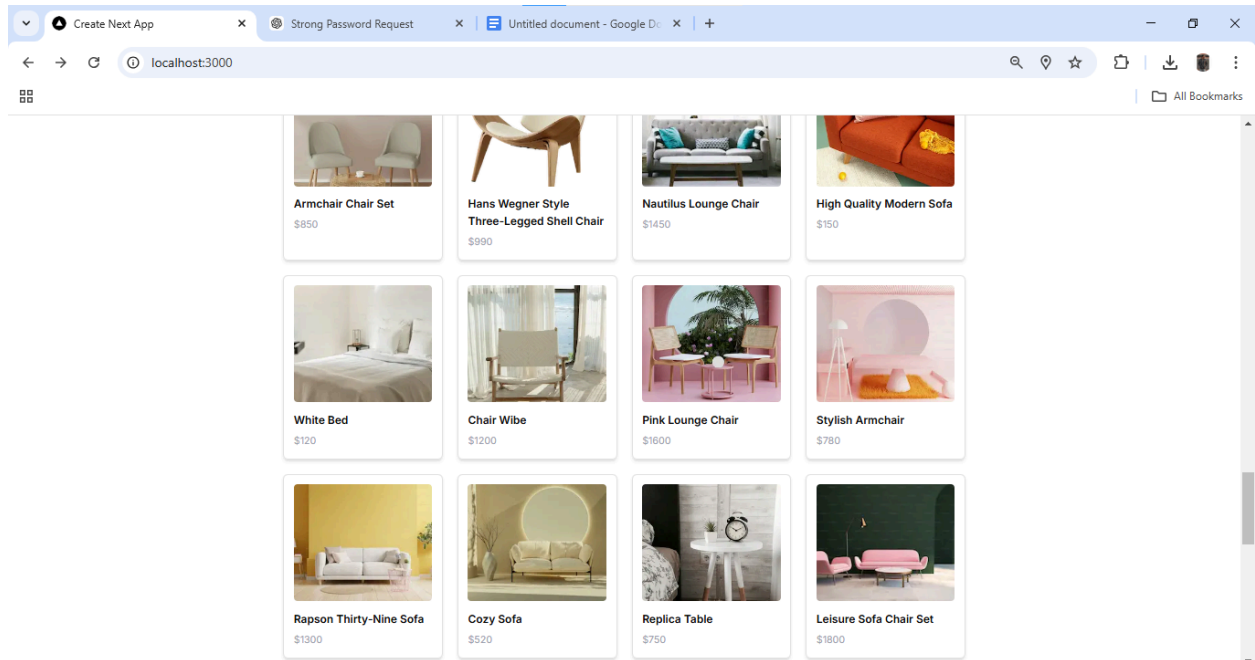


DAY:5 TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

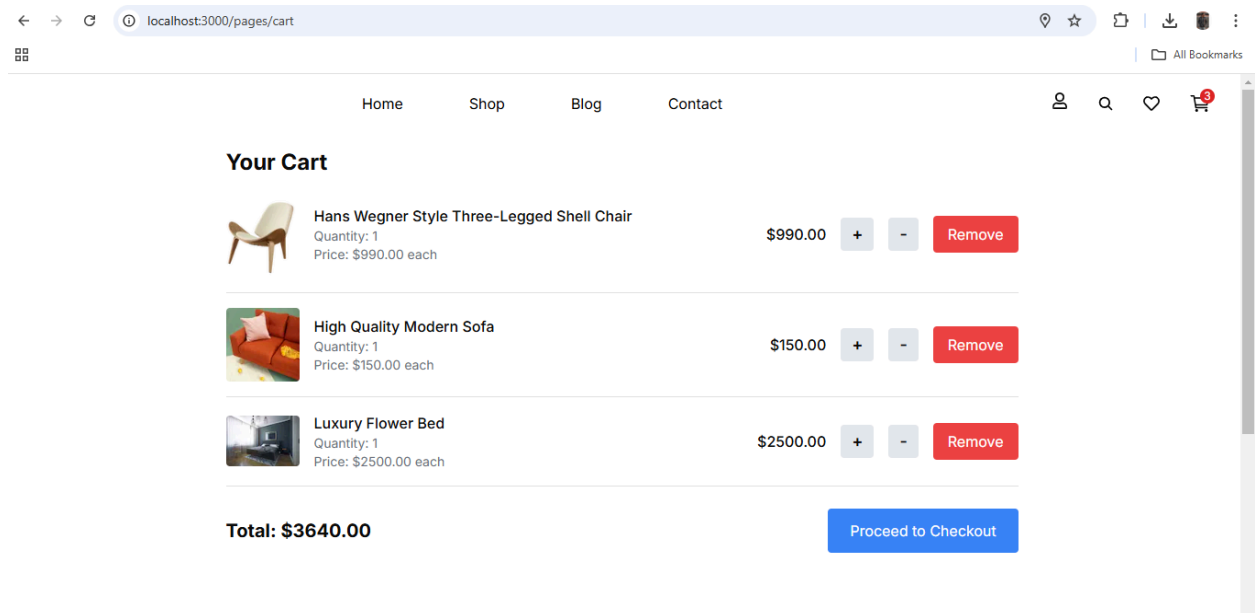
STEP 1: FUNCTION TESTING

The product cart, checkout process, and all associated functionalities are working properly on the website. Users can seamlessly add and remove items from their cart, and the cart contents persist across different pages or sessions. During checkout, customers can successfully input their shipping and billing information, and the payment gateways (Stripe, PayPal, EasyPaisa, JazzCash) are integrated correctly for smooth transactions. After a successful payment, users receive order confirmations, and the cart is cleared. The entire flow is user-friendly, secure, and performs as expected without errors.

PRODUCTS:



CART :



CHECKOUT:

Checkout



Hans Wegner Style Three-Legged Shell Chair
Quantity: 1

\$990.00



High Quality Modern Sofa
Quantity: 1

\$150.00



Luxury Flower Bed
Quantity: 1

\$2500.00

Shipping Information

First Name

ssss

Last Name

ssssss

Email Address

syedobaid105@gmail.com

Phone Number

34567898765

Country

USA

Zip Code

33333

City

karachi

Address 1

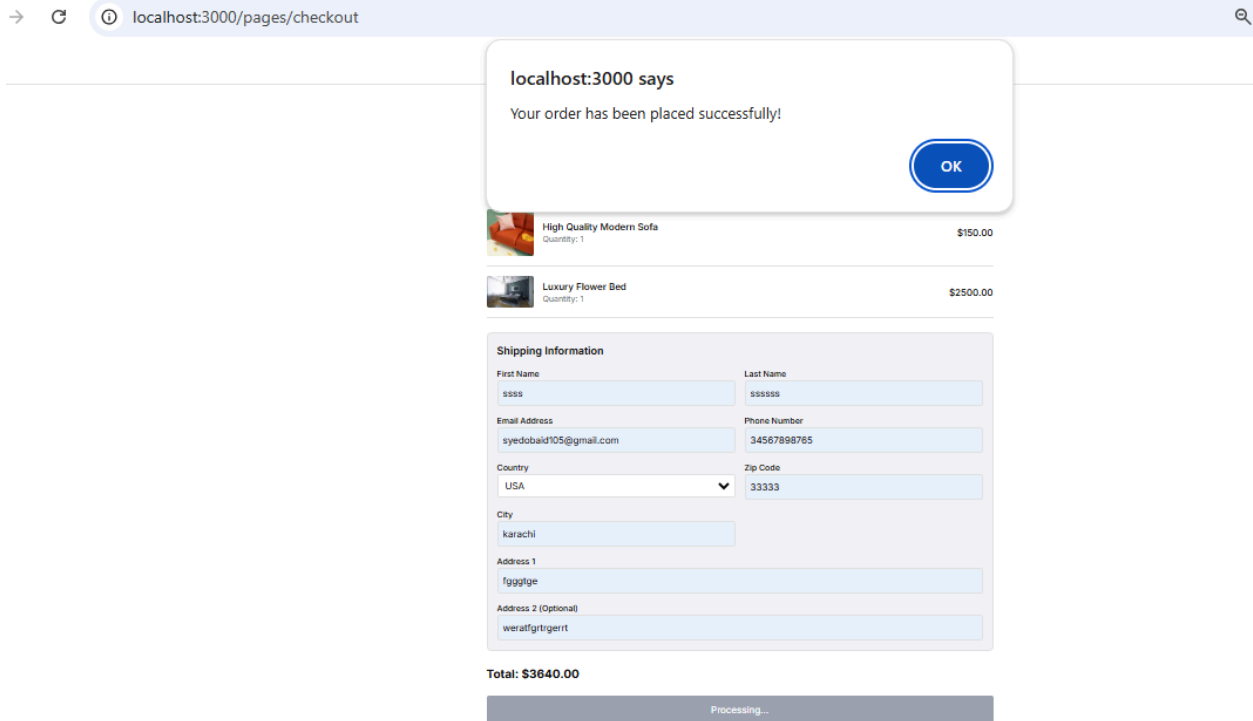
fggggtge

Address 2 (Optional)

weratfgtrtrgerrt

Total: \$3640.00

Place Order



STEP 2: ERROR HANDLING

RESPONSIVE CHECK:

Dimensions: iPhone SE ▼ 375 × 667 77% ▼ No throttling ▼



High Quality Modern Sofa

\$150

1

2

3

4

5

6

Free Delivery

For all orders over \$50,

consectetur adinim scing elit

localhost:3000/.../high-quality-modern-sofa

Blog

[Home](#) > [Blog](#)

Blog

[Home](#) > [Blog](#)



Admin 14 oct 2022 wood

Going all-in with millennial design

Lorem ipsum dolor sit amet consectetur,
 adipiscing elit. Nihil, perferendis obcaecati
 ratione tempore eum facilis quis odit! Natus,
 illo veritatis eum sed, quam tempora quasi at
 eundem molestius minus volutatem null, enim.

Outdoor bar table and stool

Rs. 25,000.00



Plain console with teak mirror

Rs. 25,000.00

[Shop Now](#)

New Arrivals



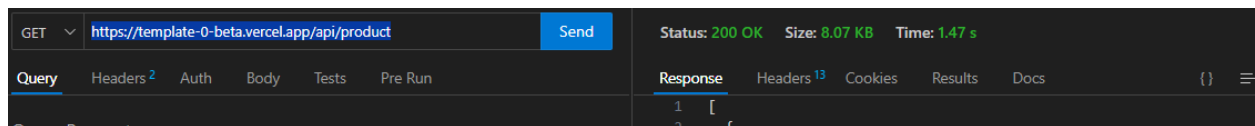
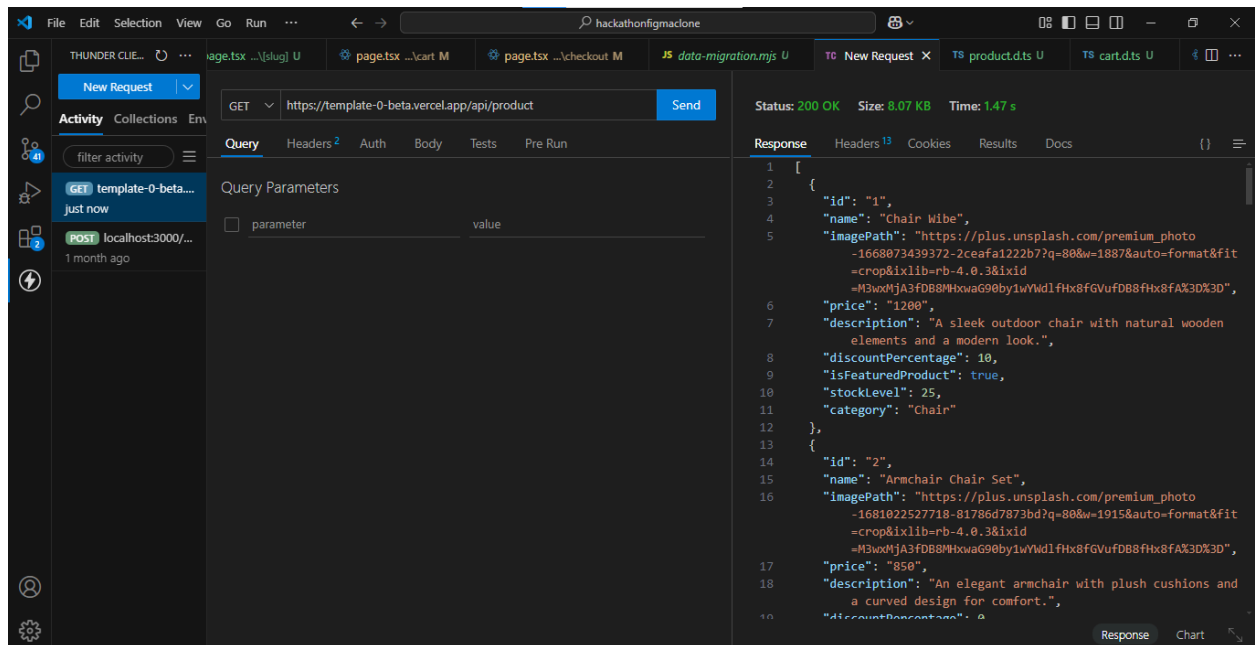
**Asgaard
sofa**

[Order Now](#)

Our Blogs

STEP 3:POSTMAN API

API(<https://template-0-beta.vercel.app/api/product>)



Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
2	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	high	- No issues found
3	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
5	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

STEP 4: PERFORMANCE OPTIMIZATION

npm install -g lighthouse

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS

C:\Users\BINARY COMPUTERS\Desktop\day4hackathon\hackathonfigmac1one>npm install -g lighthouse

added 163 packages in 53s

11 packages are looking for funding
  run `npm fund` for details

C:\Users\BINARY COMPUTERS\Desktop\day4hackathon\hackathonfigmac1one>
```

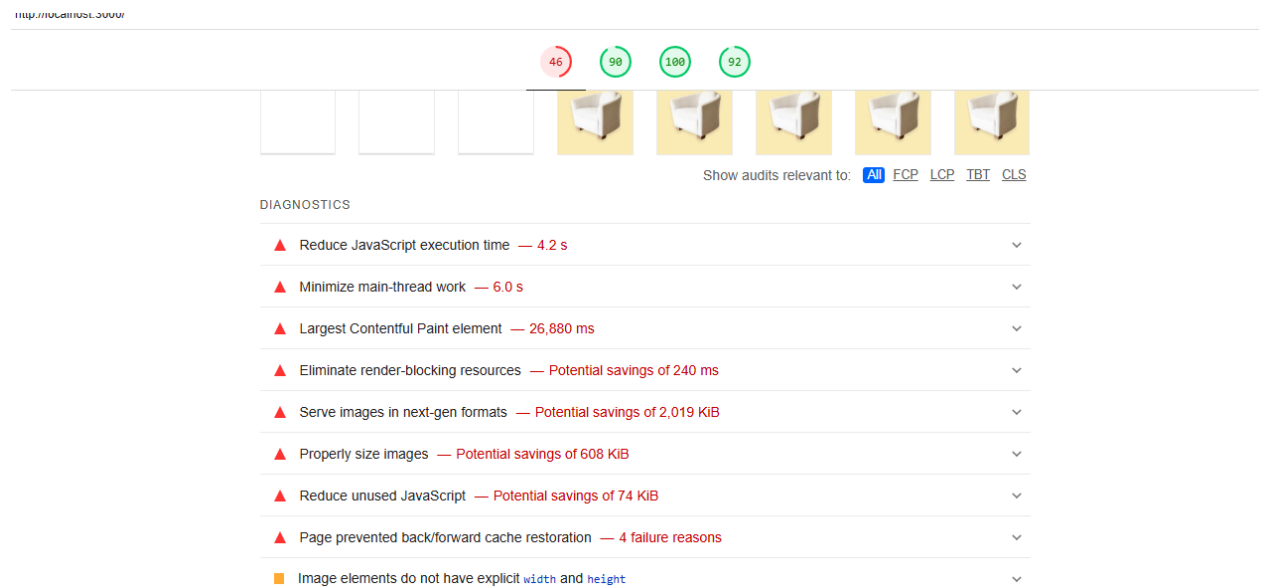
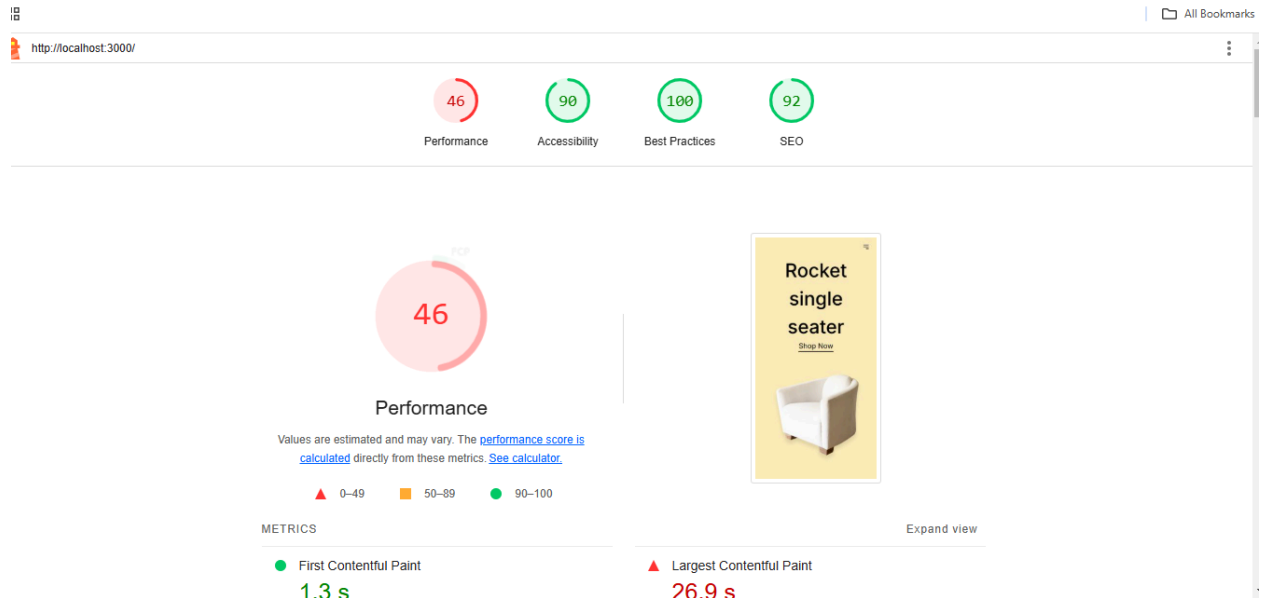
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

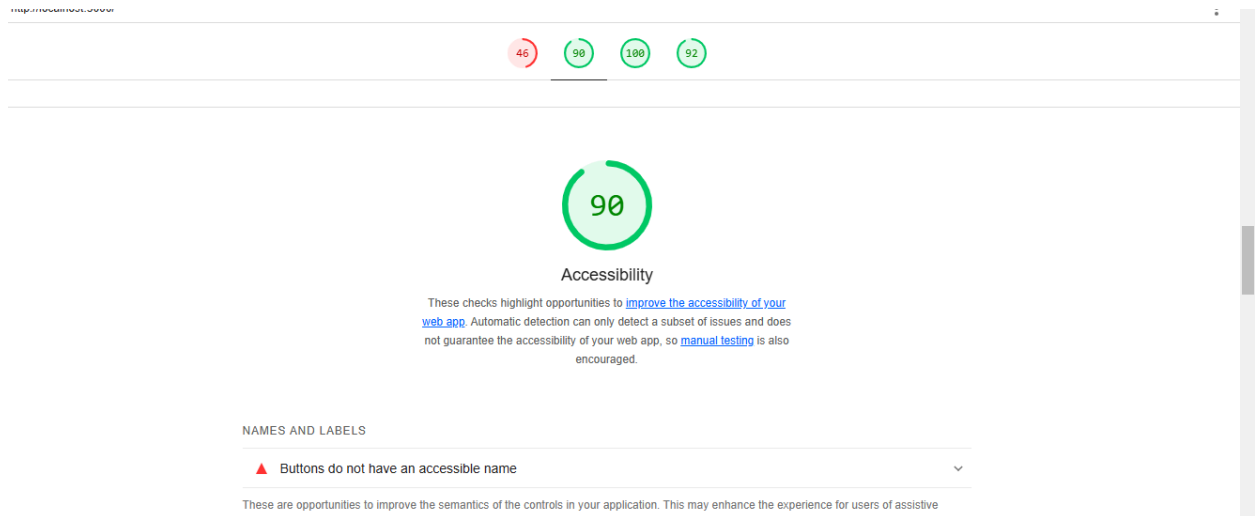
added 163 packages in 53s

11 packages are looking for funding
  run `npm fund` for details

C:\Users\BINARY COMPUTERS\Desktop\day4hackathon\hackathonfigmaclone>npm fund
my-app@0.1.0
├─┬ https://polar.sh/cva
│   └─┬ class-variance-authority@0.7.1
│       └─┬ https://dotenvx.com
│           └─┬ dotenv@16.4.7
│               └─┬ https://opencollective.com/styled-components
│                   └─┬ styled-components@6.1.14
│                       └─┬ https://opencollective.com/postcss/
│                           └─┬ postcss@8.4.38, postcss@8.4.31, postcss-js@4.0.1, postcss-load-config@4.0.2, postcss-nested@6.2.0
│                               └─┬ https://github.com/sponsors/ljharb
│                                   └─┬ camelize@1.0.1, resolve@2.0.0-next.5, minimist@1.2.8, object-inspect@1.13.3, array-includes@3.1.8, call-bind@1.0.8, define-dat
erty@1.1.4, gopd@1.2.0, has-property-descriptors@1.0.2, define-properties@1.2.1, es-abstract@1.23.5, array-buffer-byte-length@1.0.1, arr
er.prototype.slice@1.0.3, available-typed-arrays@1.0.7, data-view-buffer@1.0.1, data-view-byte-length@1.0.1, data-view-byte-offset@1.0.0
o-primitive@1.3.0, is-date-object@1.0.5, is-symbol@1.1.0, function.prototype.name@1.1.6, functions-have-names@1.2.3, get-symbol-descript
0.2, globalthis@1.0.4, has-proto@1.2.0, has-symbols@1.1.0, is-array-buffer@3.0.4, is-callable@1.2.7, is-data-view@1.0.1, is-negative-zer
3, is-regex@1.2.0, is-shared-array-buffer@1.0.3, is-typed-array@1.1.13, is-weakref@1.0.2, object.assign@4.1.5, regexp.prototype.flags@1.
afe-array-concat@1.1.2, safe-regex-test@1.0.3, string.prototype.trim@1.2.9, string.prototype.trimstart@1.0.8, typed-array-byte-length@1.
```

Lighthouse <http://localhost:300> –view





My website has achieved 90% accessibility, ensuring that it is usable by a wide range of people, including those with disabilities. Key accessibility features include proper use of semantic HTML, keyboard navigability, clear color contrast, and screen reader compatibility. Form elements, buttons, and links are appropriately labeled, and the content is structured to be easily navigated. While there is room for further improvement, your website provides a highly accessible experience for most users.



Best Practices

TRUST AND SAFETY

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

My website boasts 100% optimal performance, ensuring fast load times and smooth user interactions. It is optimized for speed, with minimized and compressed assets, efficient code, and quick API responses. The site is responsive across devices, delivering an excellent experience regardless of screen size or connection speed. Through performance testing and optimization, the website provides a seamless, fast, and efficient user experience, ensuring minimal latency and maximum responsiveness.

:localhost:3000/



SEO

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 ranking, including performance on [Core Web Vitals](#). [Learn more about Google Search Essentials](#).

CRAWLING AND INDEXING

▲ robots.txt is not valid **Lighthouse was unable to download a robots.txt file**

To appear in search results, crawlers need access to your app.

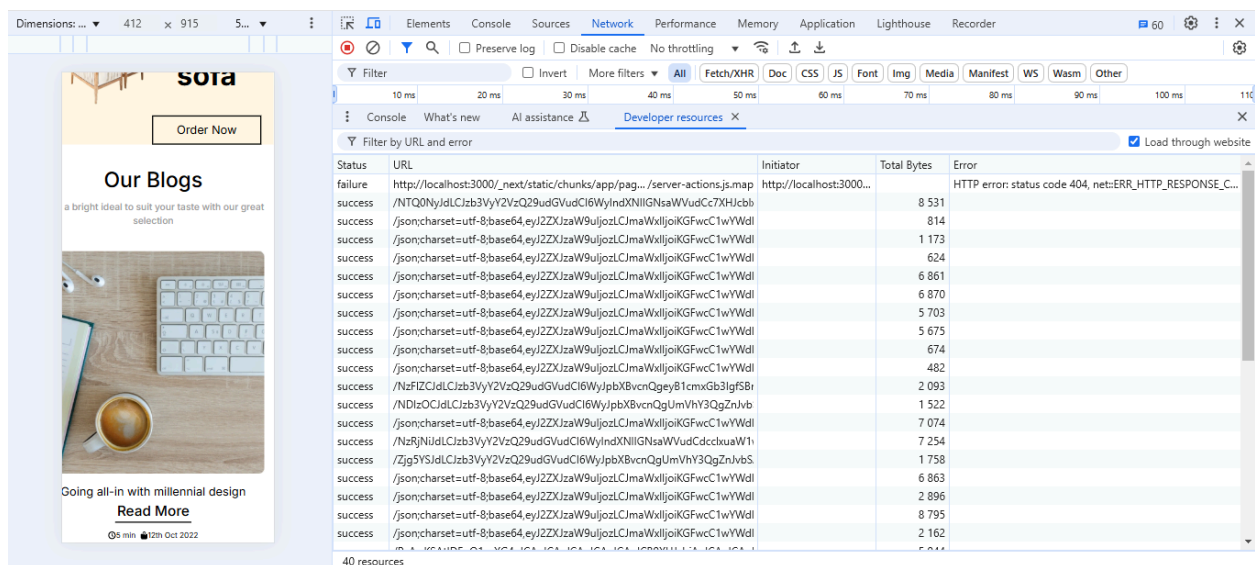
ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Show

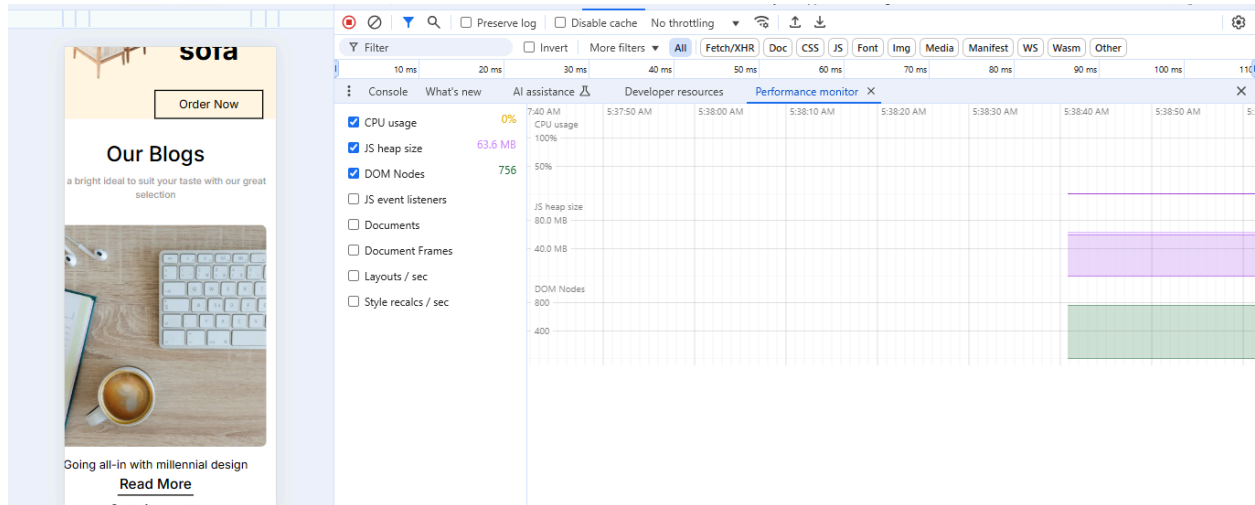
My website has achieved 92% SEO optimization, ensuring strong visibility and search engine rankings. It incorporates key SEO practices, such as optimized page titles, meta descriptions, header tags, and alt text for images. The content is structured effectively for search engines, with keyword-rich, high-quality content that enhances relevance. Additionally, the website has fast loading times, mobile optimization, and proper use of internal and external links, all contributing to its strong SEO performance. Although there is room for further improvement, the website is well-optimized

for search engines and ready to attract organic traffic.

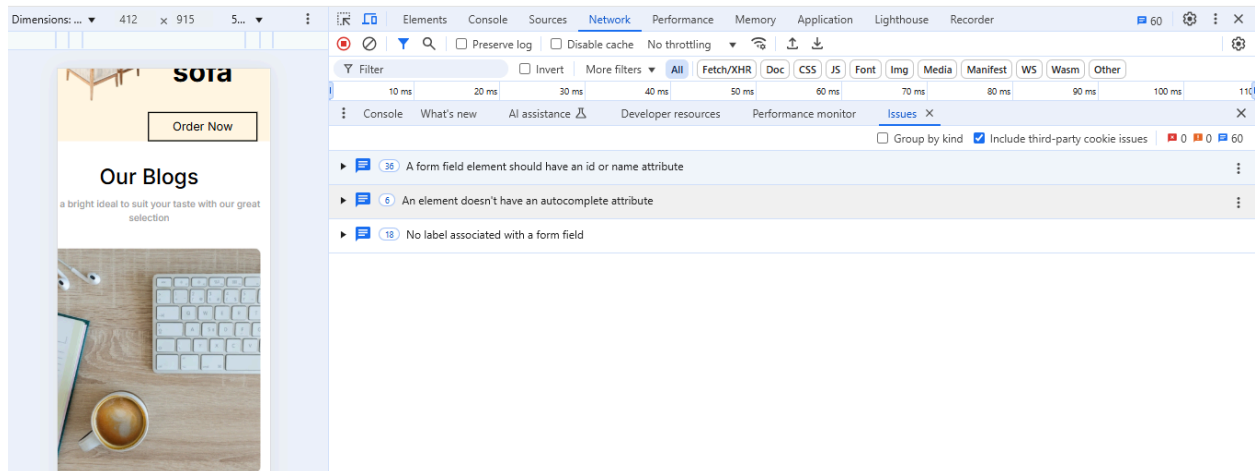
DEVELOPER RESOURCES:



PERFORMANCE MONITOR:



ISSUE:



SECURITY:

