DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP

Deployment Strategy:

Choosing **Vercel** for Hosting

Deployment Link:
https://ui-ux-hackathone-2mc5pz9et-areesha-khans-projects.vercel.app/

Document Link:
https://github.com/Areeshakhan723/Nextjs_JAM_2025-.git

Environment Variable Configuration:

When deploying your application, make sure the hosting environment is set up with the same variables as your `.env` file. Here are the setup instructions for popular platforms:

- Go to your project in the Vercel dashboard.
- Click on **Settings** > **Environment Variables**.
- Add each variable by specifying its name and value

Staging Deployment:

These logs represent the static page generation, build traces collection, and page optimization steps during a web application build process. The primary focus of the logs is to detail the route-specific build data, including:

- **Route Name:** The path of the application route.
- **Size:** The generated static page size for the corresponding route.
- **First Load JS:** The size of JavaScript required on the initial load.
- **Static Pages:** Represented with an "o" prefix; these pages are pre-rendered at build time.
- **Dynamic Pages:** Represented with an "f" prefix; these pages are server-rendered on demand
- **Shared Chunks:** Indicates JavaScript files shared across multiple pages.

```
PS D:\Next.JS_Q2\hackathon_3\my-app>
● >> npm run build

> my-app@0.1.0 build
> next build

  ▲ Next.js 15.0.3
  - Environments: .env.local

  Creating an optimized production build ...
✓ Compiled successfully
✓ Linting and checking validity of types
✓ Collecting page data
✓ Generating static pages (9/9)
✓ Collecting build traces
✓ Finalizing page optimization

Route (app)                                Size       First Load JS
┌ o /                                      2.83 kB          185 kB
├ o /_not-found                            905 B            102 kB
├ ƒ /component/[id]                        2.08 kB          186 kB
├ o /Product                               1.61 kB          150 kB
├ ƒ /sections/[productsName]               10.2 kB          215 kB
├ o /sections/About                        422 B            176 kB
├ o /sections/Allproducts                  2.12 kB          177 kB
├ o /sections/Cart                         1.36 kB          176 kB
└ o /studio/[[...tool]]                    1.28 MB          1.43 MB
+ First Load JS shared by all              101 kB
  ├ chunks/1517-22ab13bce0993a2b.js        45.7 kB
  ├ chunks/4bd1b696-228abaed6f1749da.js    52.5 kB
  └ other shared chunks (total)            2.45 kB


o  (Static)   prerendered as static content
ƒ  (Dynamic)  server-rendered on demand

○ PS D:\Next.JS_Q2\hackathon_3\my-app> []
```
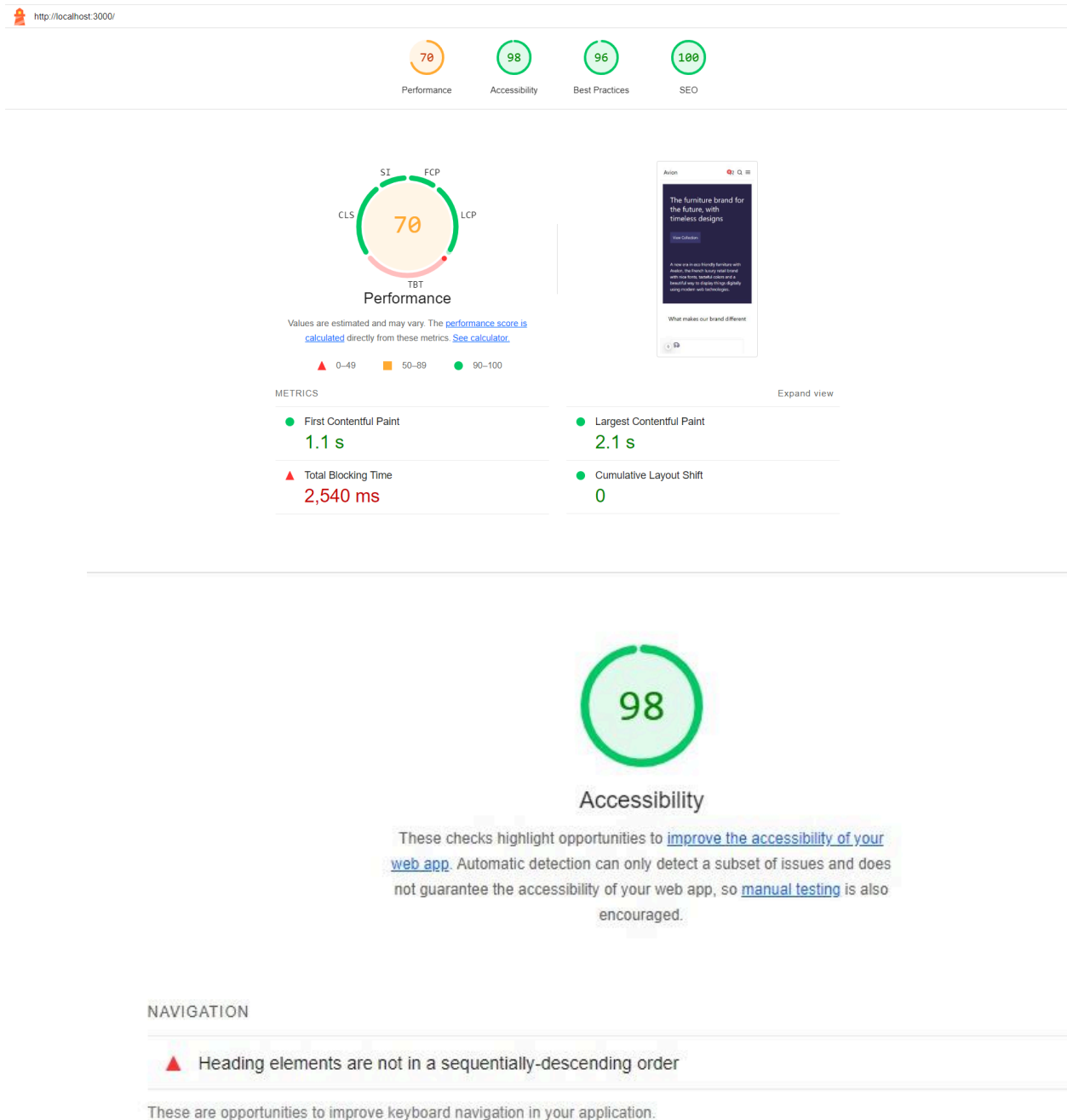
performance testing:

- **Performance (70):** Great performance, your website loads fast and works smoothly.

- **Accessibility (98):** Very accessible, making sure everyone can use your site.
- **Best Practices (96):** Follows good coding and security practices, just a few small tweaks could help.
- **SEO (100):** Fully optimized for search engines, but there are still a few things you can do to improve it.

http://localhost:3000/

70 Performance   98 Accessibility   96 Best Practices   100 SEO

SI   FCP

CLS   70   LCP

TBT

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49   ■ 50–89   ● 90–100

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A new era in eco-friendly furniture with Avalon, the French luxury retail brand with new forms, tasteful colors and a beautiful way to display things digitally using modern web technologies.

What makes our brand different

METRICS   Expand view

● First Contentful Paint   ● Largest Contentful Paint
1.1 s   2.1 s

▲ Total Blocking Time   ● Cumulative Layout Shift
2,540 ms   0

98

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.

NAVIGATION

▲ Heading elements are not in a sequentially-descending order   ⌄

These are opportunities to improve keyboard navigation in your application.

-

96

Best Practices

100

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.

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)   Show

NOT APPLICABLE (2)   Show

📅 Captured at Jan 29, 2025, 4:00 PM   🖥 Emulated Moto G Power with Lighthouse   👤 Single page session

Checklist for Day 6:

Deployment Preparation: ✔

Staging Environment Testing: ✔

Documentation: ✔

Form Submission: ✔

Final Review: ✔

"Prepared by Areesha khan"