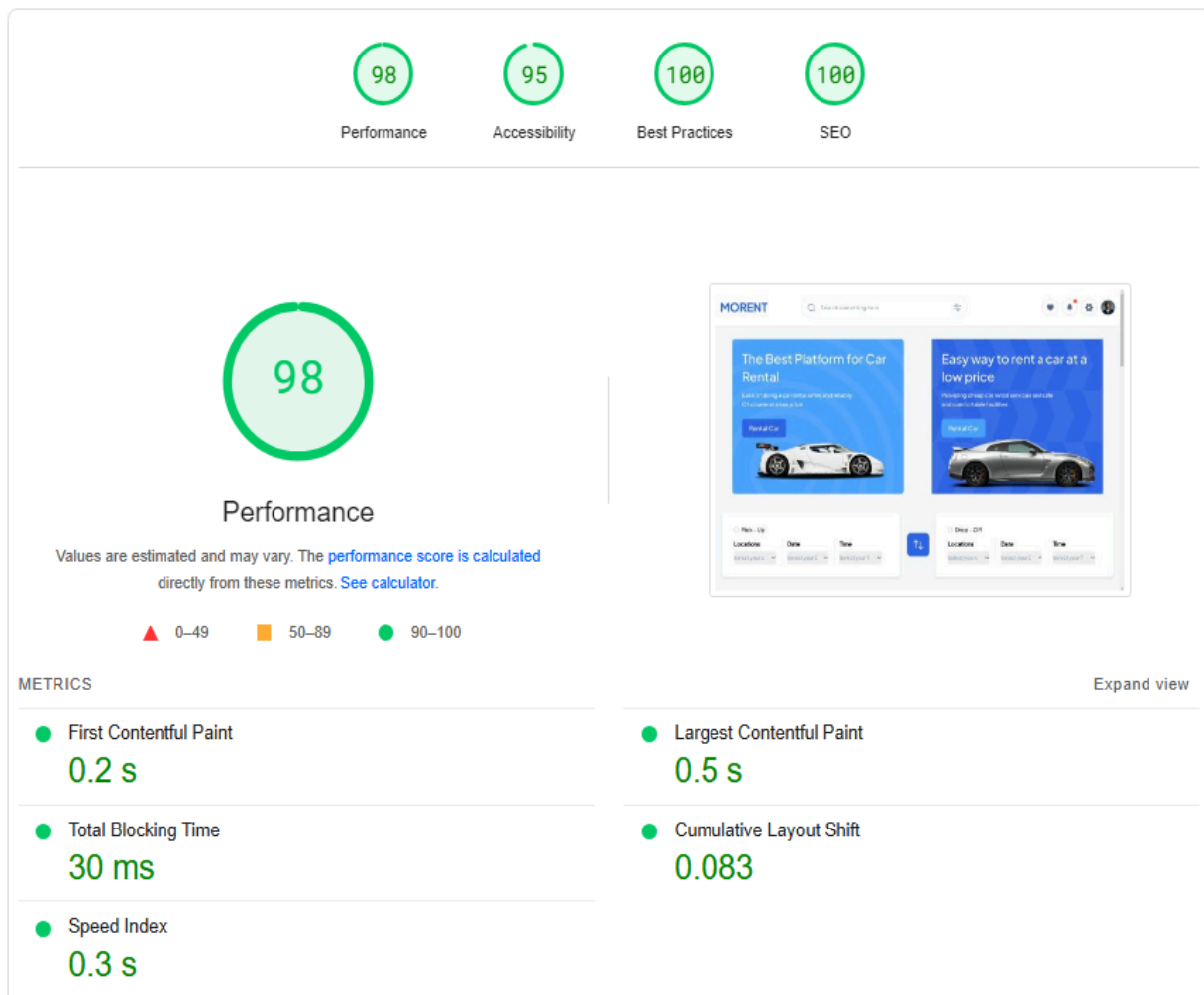


DAY-5 TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

Light House Tools:

Lighthouse is an open-source, automated tool developed by Google to improve the quality of web pages. It can test and measure a website's performance, accessibility, best practices, SEO, and Progressive Web App (PWA) capabilities. Lighthouse provides actionable insights and recommendations to optimize the website's performance and user experience. It can be run directly in Chrome DevTools, via the command line, or as a Node module.



Error Handling In Coding:

Try-catch is a programming construct used to gracefully handle runtime errors. It is utilized to safeguard vulnerable sections of code and prevent unexpected crashes. The **try** block contains the code that might generate an error, while the **catch** block captures that error and provides an appropriate response or fallback solution. This method ensures that the application continues running smoothly, even when an unexpected error occurs.

```
export const FetchCarsData = async () => {
  try {
    const query = `*_type == "car" | order(_createdAt desc)[12..15] {
      _id,
      name,
      brand,
      type,
      fuelCapacity,
      transmission,
      seatingCapacity,
      pricePerDay,
      originalPrice,
      tags,
      "slug": _id,
      "imageUrl": image.asset->url
    }`;

    const data = await client.fetch(query, { cache: 'no-store' });
    return data;
  } catch (error) {
    console.error('Error fetching from Sanity:', error);
    throw error;
  }
};
```

API Testing Postman

GET Get data GET https://sanity-nextjs-ap +

https://sanity-nextjs-application.vercel.app/api/hackathon/template7

GET https://sanity-nextjs-application.vercel.app/api/hackathon/template7 Send

Params Authorization Headers (7) Body Scripts Tests Settings Cookies

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (12) Test Results 200 OK • 1.26 s • 5.38 KB

{ } JSON Preview Visualize

```
1 [
2   {
3     "id": 1,
4     "name": "Koenigsegg",
5     "type": "Sport",
6     "fuel_capacity": "98L",
7     "transmission": "Manual",
8     "seating_capacity": "2 People",
9     "price_per_day": "$99.00",
10    "image_url": "https://car-rental-website-five.vercel.app/_next/image?url=%2F_next%2Fstatic%2Fmedia%2Fcar.11698147.jpg&w=640&q=75",
11    "tags": [
12      "popular"
13    ]
14  },
15  {
16    "id": 2,
17    "name": "Nissan GT-R",
18    "type": "Sport",
19    "fuel_capacity": "80L",
20    "transmission": "Manual",
21    "seating_capacity": "2 People",
22    "price_per_day": "$80.00",
23    "original_price": "$100.00",
24    "image_url": "https://car-rental-website-five.vercel.app/_next/image?url=%2F_next%2Fstatic%2Fmedia%2Fcar(1).cab606a9.jpg&w=640&q=75",
25    "tags": [
26      "popular"
27    ]
28  }
29 ]
```

200 OK • 1.26 s • 5.38 KB • 🌐 • ⋮

🔍 📄 🔍 🔗