

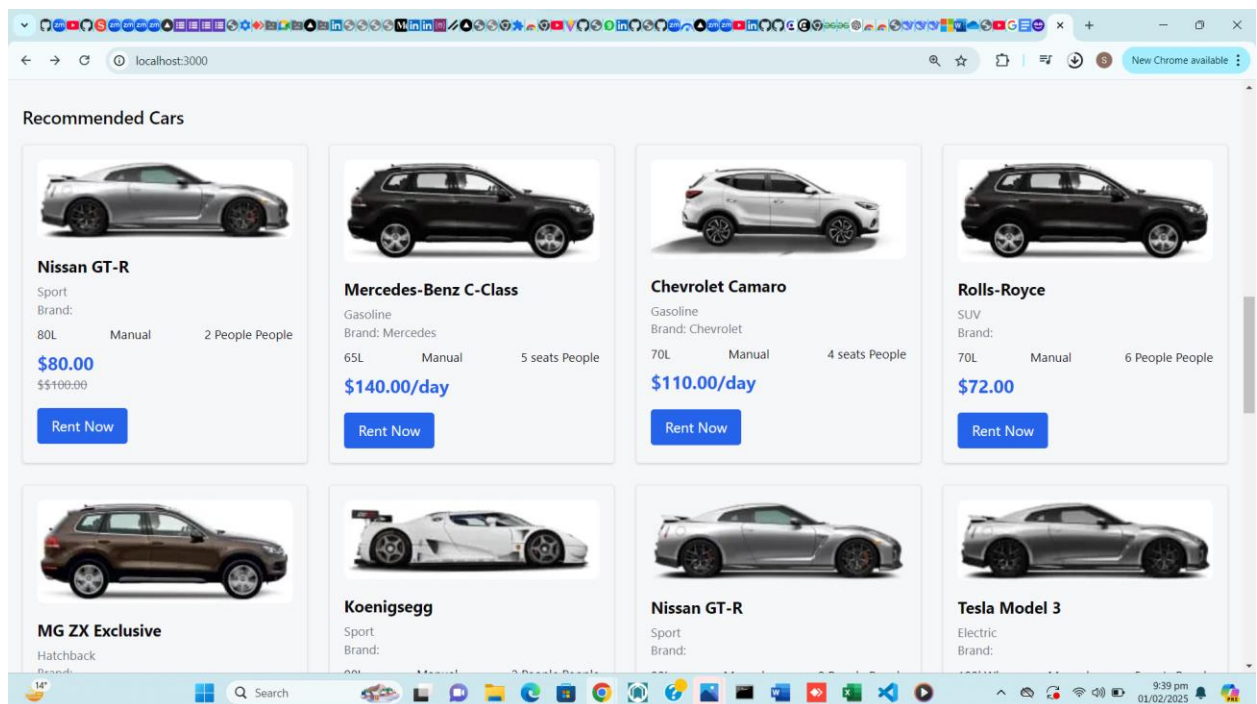
Name :Shazia Bashir

Roll # : 00379887

"Day 5 - Testing and Backend Refinement – Renta Car"

Step 1: Functional Testing :

1. Product listing are fetching and displayed correctly.



- 2 . Category function working properly .

Categories

Sport
Gasoline
SUV
Hatchback
Electric
Diesel
Hybrid
Sedan

☒ Pick-Up

Locations

Select your city

Date

Select your date

Time

Select your time

↕

☒ Drop-Off

Locations


Select your city

Date

Select your date


Time

Select your time




Mercedes-Benz C-Class
Gasoline
65L Manual 5 seats People

\$140.00/day
Rent Now



Chevrolet Camaro
Gasoline
70L Manual 4 seats People

\$110.00/day
Rent Now



Ford Mustang
Gasoline
60L Manual 4 seats People

\$80.00/day
Rent Now

3. Dynamic routing: Verify individual product detail pages load correctly.

Type

☒ Sport (10)
☒ SUV (12)
☐ MPV (16)
☐ Sedan (20)
☐ Coupe (14)
☐ Hatchback (14)


Category

☒ 2 Person (10)
☐ 4 Person (14)
☐ 6 Person (12)
☒ 8 or More (16)




Price

Max. \$100.00

Nissan GT-R
Car with the best design and acceleration.
Safety and comfort while driving a futuristic and elegant car.



Availability: Available from Unavailable to Unavailable

No reviews yet!

Nissan GT-R

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
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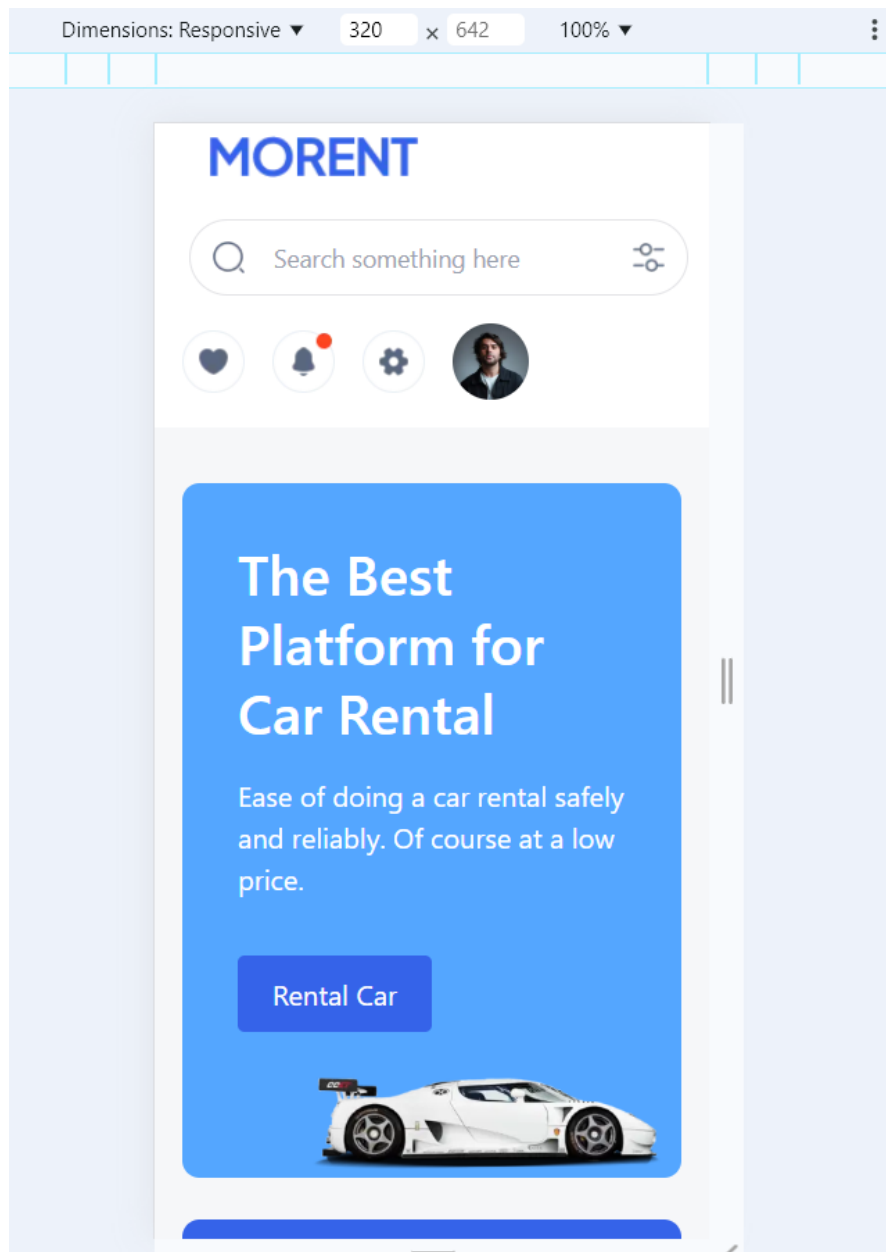
Type
Sport
Capacity
2 People
Person

Transmission
Manual
Fuel Capacity
80LL

\$80.00/day
~~\$\$\$100.00~~

Rent Now

Website Fully Responsive:



2. Testing Tools:

Testing API From Thunder Client Extension

New Request ▾

Activity Collections Env

filter activity

GET sanity-nextjs-application.vercel.a...
3 days ago

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

Query Headers 2 Auth Body Tests Pre Run

Query Parameters

☐ parameter value

Status: 200 OK Size: 4.9 KB Time: 731 ms

Response Headers 13 Cookies Results Docs {} ≡

```
1  [
2    {
3      "id": 1,
4      "name": "Koenigsegg",
5      "type": "Sport",
6      "fuel_capacity": "90L",
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 Gf-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 ]
```

Step 2: Error Handling:

```
async function importData() {
  try {
    console.log('Fetching car data from API...');

    // API endpoint containing car data
    const response = await axios.get('https://sanity-nextjs-application.vercel.app/api/hackathon/template7');
    const cars = response.data;

    console.log(`Fetched ${cars.length} cars`);

    for (const car of cars) {
      console.log(`Processing car: ${car.name}`);

      let imageRef = null;
      if (car.image_url) {
        imageRef = await uploadImageToSanity(car.image_url);
      }

      // Create or get category
      const categoryId = await createOrGetCategory(car.type);

      const sanityCar = {
        _type: 'car',
        name: car.name,
        brand: car.brand || null,
        type: car.type,
        fuelCapacity: car.fuel_capacity,
        transmission: car.transmission,
        seatingCapacity: car.seating_capacity,
        pricePerDay: car.price_per_day,
        originalPrice: car.original_price || null,
        tags: car.tags || [],
      };
    }
  } catch (error) {
    console.error('Error fetching car data:', error);
  }
}
```

```

      _type: 'reference',
      _ref: categoryId,
    },
    image: imageRef ? {
      _type: 'image',
      asset: {
        _type: 'reference',
        _ref: imageRef,
      },
    },
  } : undefined,
};

console.log('Uploading car to Sanity:', sanityCar.name);
const result = await client.create(sanityCar);
console.log(`Car uploaded successfully: ${result._id}`);
}

console.log('Data import completed successfully!');
} catch (error) {
  console.error('Error importing data:', error);
}
}

importData();

```

Step 3: Performance Optimization:

Analyze Performance:

Use Lighthouse to identify speed and performance issues.



Performance



Accessibility



Best
Practices



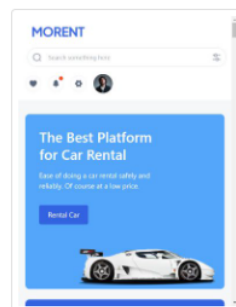
SEO



Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49 ■ 50–89 ● 90–100

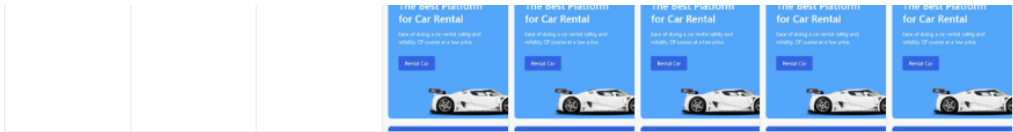


METRICS

Expand view

● First Contentful Paint
0.7 s

● Largest Contentful Paint
0.7 s



Show audits relevant to: **All** FCP LCP TBT

DIAGNOSTICS

| | | | |
|---|--|--------------------------------|---|
| ▲ | Reduce initial server response time | — Root document took 4,070 ms | ▼ |
| ▲ | Eliminate render-blocking resources | — Potential savings of 270 ms | ▼ |
| ▲ | Page prevented back/forward cache restoration | — 3 failure reasons | ▼ |
| ■ | Minify CSS | — Potential savings of 2 KiB | ▼ |
| ■ | Minify JavaScript | — Potential savings of 5 KiB | ▼ |
| ■ | Avoid serving legacy JavaScript to modern browsers | — Potential savings of 0 KiB | ▼ |
| ■ | Reduce unused JavaScript | — Potential savings of 129 KiB | ▼ |
| ○ | JavaScript execution time | — 0.6 s | ▼ |
| ○ | Minimizes main-thread work | — 0.9 s | ▼ |



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. | ▼ |
|---|---|---|

These are opportunities to improve the legibility of your content.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (24)

Show



Best Practices

GENERAL

- ▲ Browser errors were logged to the console ▼
- ▲ Missing source maps for large first-party JavaScript ▼

TRUST AND SAFETY

- Ensure CSP is effective against XSS attacks ▼

PASSED AUDITS (12) Show

NOT APPLICABLE (3) Show



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

