Made by Aziza siddiqui,

Role no,00200937.

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GitHub Repository Description:

🚗 Rental Car Website Project 🌟

Welcome to my **Rental Car Website** project repository! 🚀 This dynamic and modern web application was built using **Next.js** and **Sanity CMS**, showcasing the seamless integration of a headless CMS with a cutting-edge web framework.

Project Overview:

This project is a user-friendly rental car platform where users can browse, explore, and learn more about available cars. The site is fully responsive, fast, and optimized for performance, making it ideal for real-world deployment.

Key Features:

✅ **Dynamic Car Listings**: All car details (e.g., name, price, category, images) are fetched dynamically from the Sanity CMS.
✅ **Individual Car Pages**: Each car has a dynamically generated page, providing detailed information like specifications and pricing.
✅ **Real-Time Content Updates**: Using Sanity, any content updates reflect instantly on the website without redeployment.
✅ **Responsive Design**: Built with **Tailwind CSS**, ensuring a seamless experience on mobile, tablet, and desktop devices.

Technologies Used:

1️⃣ **Next.js**:

- Dynamic Routing for individual car pages.
- Server-Side Rendering (SSR) and Static Site Generation (SSG) for optimal performance and SEO.

2️⃣ **Sanity CMS**:

- Designed flexible content schemas for cars and categories.
- Used GROQ queries to fetch structured data via the Sanity API.

3️⃣ **Tailwind CSS**:

- Modern, responsive, and utility-first design framework for styling.

4️⃣ **API Integration**:

- Built custom API routes to fetch and display data from the Sanity backend.

Challenges Faced & Solutions:

💡 Challenge 1: GROQ Query Errors

- Issue: Errors while querying data from Sanity.
- Solution: Carefully debugged and optimized GROQ queries for accurate data fetching.

💡 Challenge 2: API Errors

- Issue: Encountered `404` errors due to misconfigured API routes.
- Solution: Properly configured the Sanity project settings and environment variables.

💡 Challenge 3: Responsive Design Issues

- Issue: Layouts broke on smaller devices.
- Solution: Used Tailwind's mobile-first classes to ensure a responsive UI.

How to Run This Project Locally:

Clone the repository:

```
git clone https://github.com/your-username/rental-car-website.git
```

1.

Navigate to the project folder:

```
cd rental-car-website
```

2.

Install dependencies:

```
npm install
```

3.
4. Set up your environment variables for Sanity CMS:
    - Create a `.env.local` file and add the required `SANITY_PROJECT_ID` and `SANITY_DATASET`.

Run the development server:

```
npm run dev
```

5.

Open your browser and visit:

```
http://localhost:3000
```

6.

Future Enhancements:

🔷 Add a search/filter feature for cars.
🔷 Implement user authentication for booking functionality.
🔷 Add a booking and payment system.

Feel free to explore and contribute to this project! Your feedback and suggestions are always welcome. 😊

#NextJS #SanityCMS #RentalCarWebsite #WebDevelopment #APIIntegration #TailwindCSS
🚗💻✨