

# **Hackathon Day 1**

## 1) Marketplace Type:-

- 1) Marketplace Type: Rental E-Commerce (Car Rental)
- 2) Purpose: To provide a platform where users can rent cars for short-term use.

## 2) Business Goals:

- 1) Problem: Simplify the car rental process for customers, providing easy car bookings online.
- 2) Target Audience: Locals and tourists looking for temporary car rentals.
- 3) Products/Services: Various types of car for rent, booking system for different dates, payment integration.
- 4) Unique features: Real-time car availability, competitive pricing, user-friendly interface.

## 3) Data Schema (Entities)

Here's a simplified structure for your car rental marketplace.

### Entities:

- 1) Cars: ID, Name, Model, Availability, Price, Type, Sedan, SUV, Sport, etc.
- 2) Orders: Order ID, Car ID linked to Cars, Customer ID linked to Customers, Rental Duration, total price.
- 3) Customers: Customers ID, Name, Email, Contact info.
- 4) Payments: Payments ID, Order ID linked to order, Payments Status, Amount. Relationships:

### Relationships:

- 1) Cars: are linked to orders a car can be rental by multiple order.

2) Orders: are linked to Customers an order belongs to a Customer.

3) Orders: are linked to Payments an order has a Payment.

#### 4) Next.js Setup:

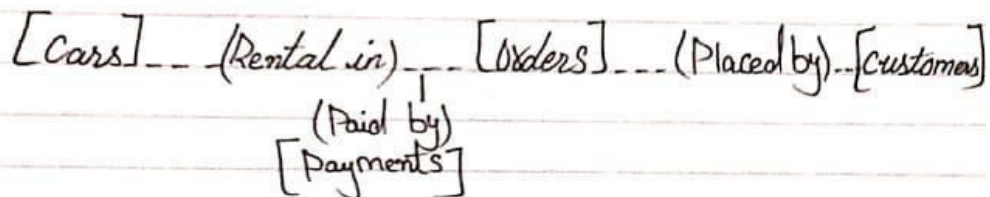
For the data Schema in your Project:

1) You would typically store this data in a data base Mongo DB, my SQL, etc.

2) Use Next.js API routes for backend operations handling Bookings, Payments Car availability.

3) The Frontend will display the available Cars allow Customers to book them and shows booking details.

#### 5) Simple Diagram:

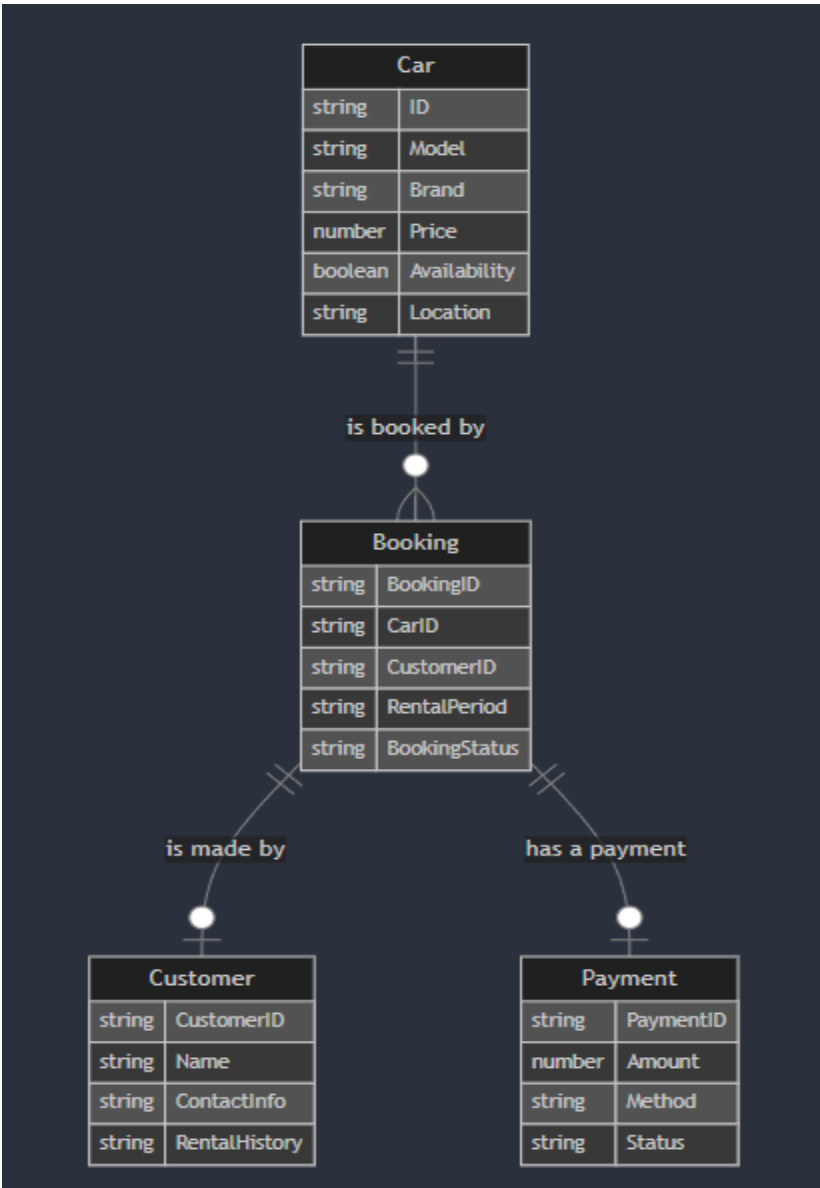


1) Cars: are available for rent, linked to Orders.

2) Orders: are made by Customers.

3) Orders: have associated Payments.

Data Schema Diagram:



Provided Schema Diagram:

Car	
string	ID
string	Name
string	Brand
string	Type
string	FuelCapacity
string	Transmission
string	SeatingCapacity
string	PricePerDay
string	OriginalPrice
array	Tags
image	Image

# **Hackathon Day 2**

## Marketplace Technical Foundation – GoRent Wheels

### Hackathon Day 2: Planning the Technical Foundation

#### Day 2 Goal

The primary goal of Day 2 is to transition from business-oriented planning of Day 1 to the technical preparation required to build your marketplace. Today, you will create a high-level technical plan, including system architecture, workflows, and API requirements, which will act as a blueprint for the implementation phase. This planning stage is directly connected to the business goals defined on Day 1, ensuring that your technical solutions align with the marketplace's purpose and provide a strong foundation for success.

This step ensures alignment with business goals while leveraging tools like Sanity CMS and third-party APIs to simplify backend requirements and focus on delivering a scalable and effective solution. This structured approach mirrors industry best practices and ensures you are prepared to launch a functional marketplace within the hackathon timeline.

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#### Recap of Day 1: Business Focus

##### Achievements:

- **Business Goals Defined:**
  - Problem identified: Simplify car rental process for customers.
  - Target audience: Locals and tourists needing temporary car rentals.
  - Unique Value Proposition (UVP): Easy car bookings with real-time availability.
- **Data Schema Drafted:**
  - **Entities and Relationships:**
    - **Cars:** ID, Name, Model, Availability, Price, Type.
    - **Orders:** Order ID, Car ID, Customer ID, Rental Duration, Total Price.
    - **Customers:** Customer ID, Name, Email, Contact Info.
    - **Payments:** Payment ID, Order ID, Payment Status, Amount.
- **Single Focus:**
  - Concentrated on business requirements without technical distractions to establish a solid foundation.

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## Day 2 Activities: Transitioning to Technical Planning

### 1. Define Technical Requirements

#### Frontend Requirements:

- Build a user-friendly interface for seamless car browsing.
- Ensure responsive design optimized for both mobile and desktop users.
- Include the following essential pages:
  - Home
  - Car Listings
  - Car Details
  - Booking
  - Payment
  - Order Confirmation
- Tech Stack:
  - Next.js: For a fast, SEO-friendly, and scalable frontend framework.
  - Tailwind CSS: For building modern and responsive designs quickly.

#### Sanity CMS as Backend:

- Use Sanity CMS to manage:
  - Product data (car details, availability, etc.).
  - Customer details.
  - Order records.
- Design schemas tailored to business goals for entities like cars, customers, and orders.

#### Third-Party APIs Integration:

- APIs for the following functionalities:
  - Payment Gateway: To process payments securely.
  - Real-Time Car Availability Updates: Ensure up-to-date inventory for car rentals.
  - Shipment Tracking (if applicable): For tracking order-related shipments or services.

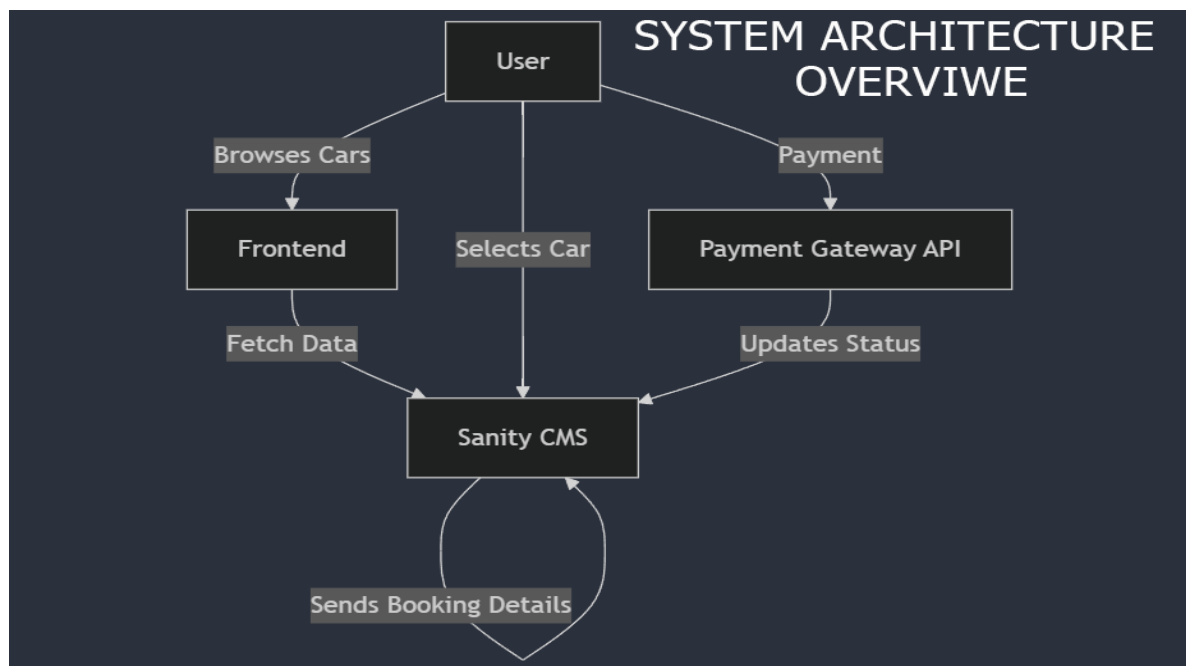


### Additional Features:

- **Shipment Tracking:** Provide live status updates for shipments (if part of service delivery).
  - **Payment Gateway:** Integrate a reliable payment service (e.g., Stripe, PayPal) for secure and smooth transactions.
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## 2. Design System Architecture

### System Architecture Overview:



### Example Architecture Workflow:

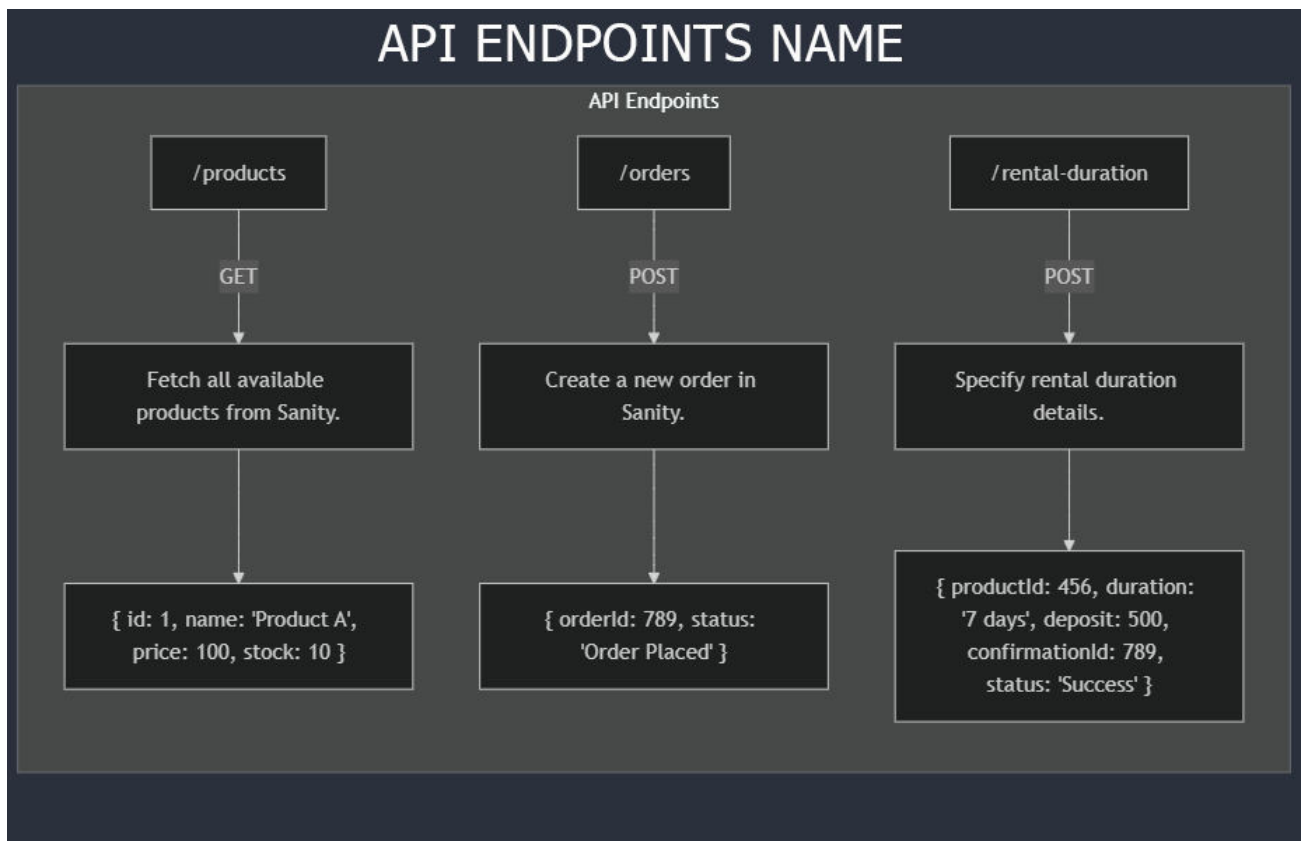
- A user browses cars on the frontend.
  - The frontend requests car details from Sanity CMS via Product Data API.
  - User books a car; order details are sent to Sanity CMS.
  - Payment is processed through a gateway, and confirmation is stored in CMS.
  - Real-time car availability is updated.
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## 3. Plan API Requirements

### API Endpoints



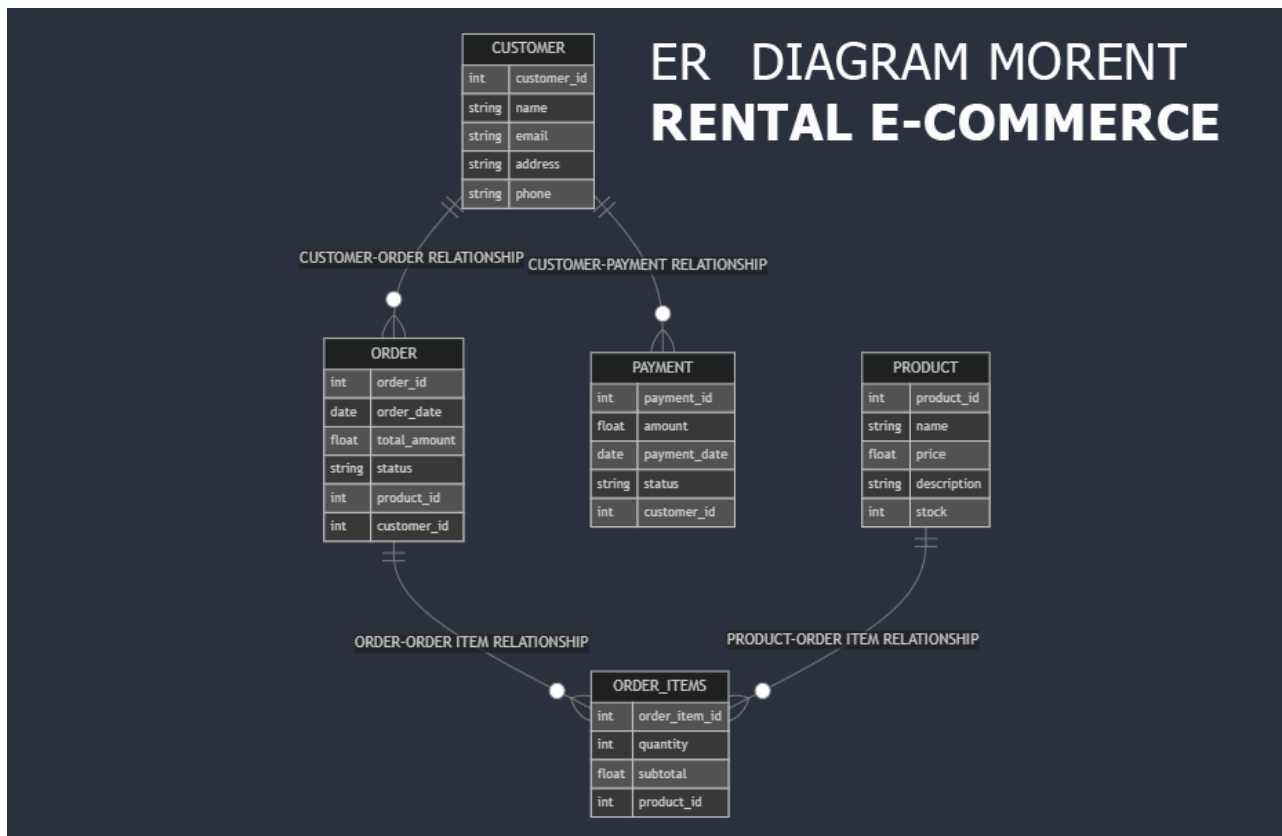
- **/cars (GET)**
  - Description: Fetch available cars from Sanity.
  - Sample Response:  
ID: 1, Name: Sedan, Price: 100
- **/orders (POST)**
  - Description: Create a new order in Sanity.
  - Payload:  
Customer ID: 1, Car ID: 2, Rental Duration: 3 days
  - Sample Response:  
Order ID: 123, Status: Success
- **/payments (POST)**
  - Description: Process payment for an order.
  - Payload:  
Order ID: 123, Amount: 5000
  - Sample Response:  
Payment ID: 456, Status: Paid



Endpoint	Method	Purpose	Example Response	Parameters
/cars	GET	Fetch cars data	[{"id": 1, "name": "Toyota", "price": 50}]	None
/cars	POST	Add a new car to the system	{"status": "Car added successfully"}	{ "name": "Toyota", "price": 50, "type": "SUV" }
/cars/:id	PUT	Update car details	{"status": "Car updated successfully"}	{ "name": "Toyota Corolla", "price": 60 }
/cars/:id	DELETE	Remove a car from the system	{"status": "Car deleted successfully"}	None
/book-car	POST	Save a car booking	{"status": "Booking successful"}	{ "carId": 1, "customerId": 101, "rentalDuration": "3 days" }
/book-car/:id	PUT	Update a booking	{"status": "Booking updated successfully"}	{ "rentalDuration": "5 days" }
/book-car/:id	DELETE	Cancel a booking	{"status": "Booking cancelled"}	None
/process-payment	POST	Process payment for a booking	{"paymentId": "xyz123", "status": "success"}	{ "orderId": 123, "amount": 150 }
/payments/:id	PUT	Update payment status	{"status": "Payment updated successfully"}	{ "paymentStatus": "completed" }
/payments/:id	DELETE	Remove payment details	{"status": "Payment deleted"}	None

#### 4. ER Diagram

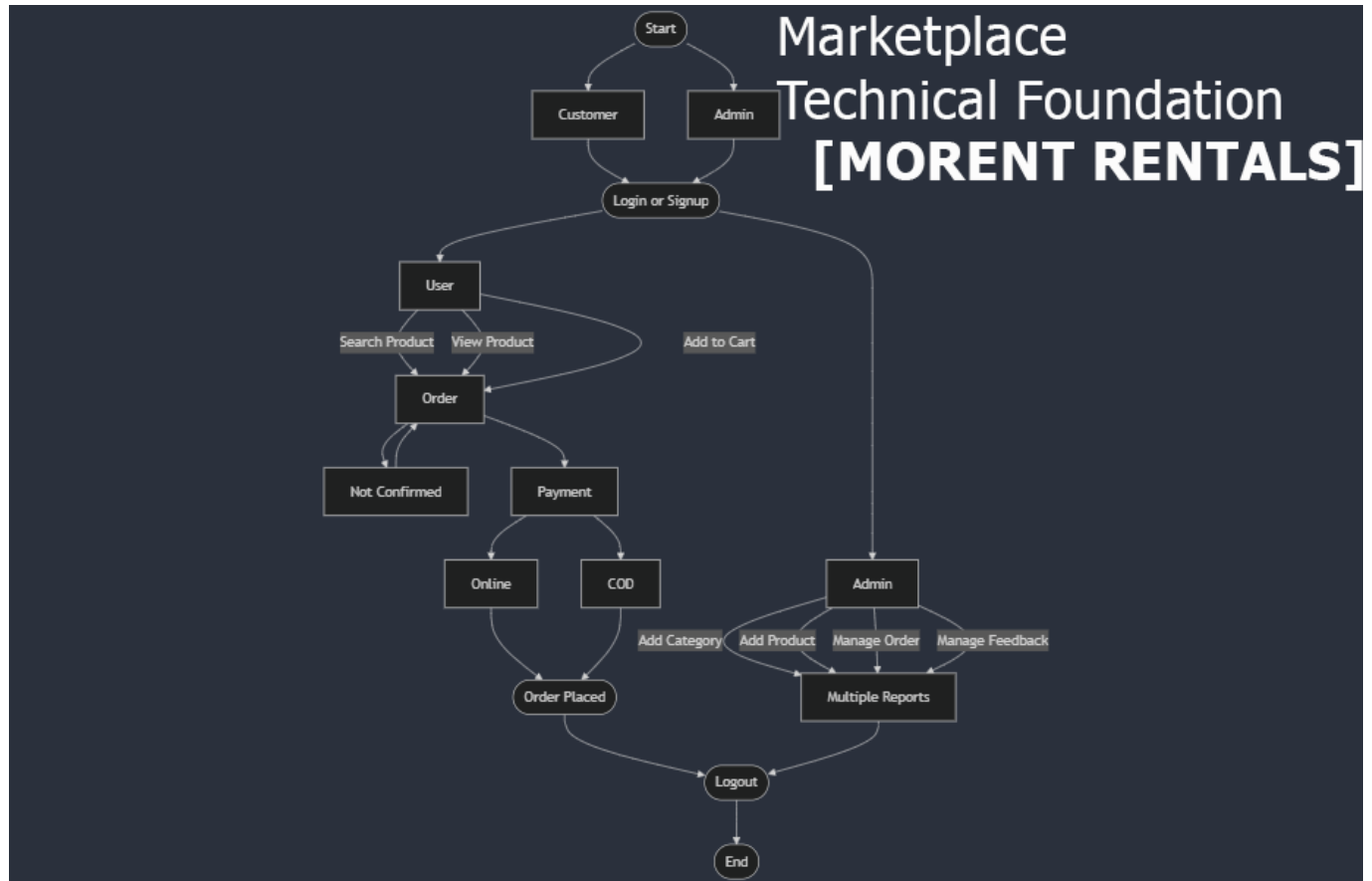
##### Entity-Relationship Diagram for GoRent Wheels:



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## 5. User Workflow

Workflow Diagram:



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### Key Outcomes

By the end of Day 2, you will have:

- **Aligned Technical Plan:**
  - Comprehensive plan reflecting marketplace requirements.
- **System Architecture:**
  - Detailed diagram of interactions and workflows.
- **API Documentation:**
  - Endpoints with methods, payloads, and responses.
- **Sanity Schemas:**
  - Schemas for key entities (cars, customers, orders).

- **Collaborative Input:**
    - Peer feedback incorporated.
  - **Portfolio-Ready Submission:**
    - A professional document showcasing your technical skills.
- 

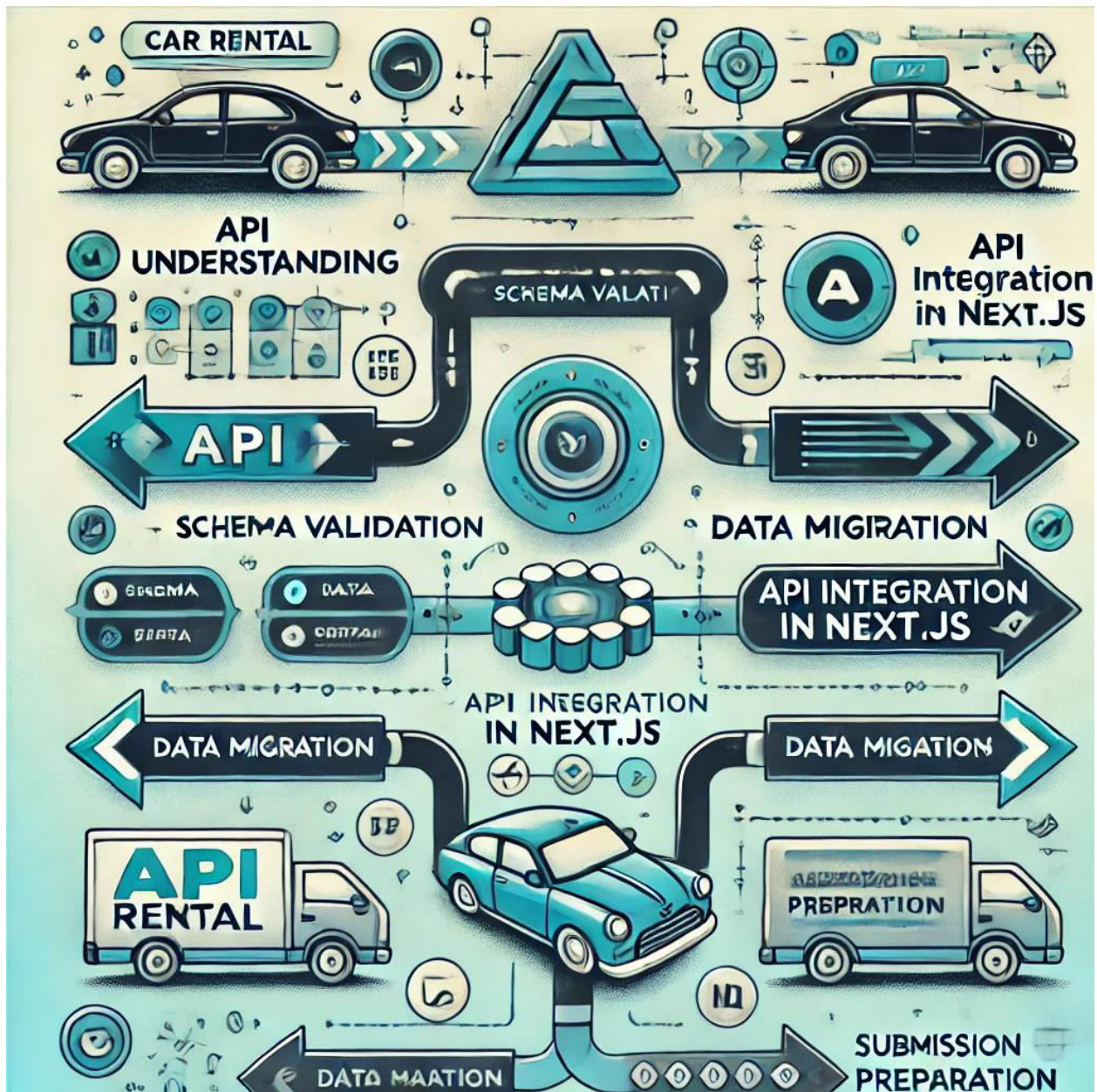
## Industry Best Practices

- **Plan Before Coding:**
    - Avoid rework by creating a clear roadmap.
  - **Use Tools Effectively:**
    - Leverage Sanity CMS for content management and APIs for integration.
  - **Focus on User Experience:**
    - Design seamless and intuitive workflows.
  - **Collaborate Actively:**
    - Incorporate team and mentor feedback.
- 

## Submission Guidelines

- **Title:**
  - "Marketplace Technical Foundation - Morent Rentals"
- **Structure:**
  - Repository with a "Documentation" folder.
  - Include diagrams, schemas, and API details.
- **File Naming:**
  - Example: SystemArchitecture\_Day2.pdf, SanitySchema.js.
- **Review and Submit:**
  - Ensure clarity and accuracy.
  - Incorporate feedback from peers or mentors.

# **Hackathon Day 3**









## Installation NEXT.JS and Setup New Project:

```
Microsoft Windows [Version 10.0.21996.1]
(c) Microsoft Corporation. All rights reserved.

C:\Rizwan PC Data>npx create-next-app@14.2.23
Need to install the following packages:
create-next-app@14.2.23
Ok to proceed? (y) Y
What is your project named? ... gorent-wheels
Would you like to use TypeScript? ... No / Yes
Would you like to use ESLint? ... No / Yes
Would you like to use Tailwind CSS? ... No / Yes
Would you like to use 'src/' directory? ... No / Yes
Would you like to use App Router? (recommended) ... No / Yes
Would you like to customize the default import alias (@/*)? ... No / Yes
Creating a new Next.js app in K:\Rizwan PC Data\gorent-wheels.

Using npm.

Initializing project with template: app-tw

Installing dependencies:
- react
- react-dom
- next

Installing devDependencies:
- typescript
- @types/node
- @types/react
- @types/react-dom
- postcss
- tailwindcss
- eslint
- eslint-config-next

npm WARN deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if you want a good and tested way to coalesce async requests by a key value, which is much more comprehensive and powerful.
npm WARN deprecated @humanwhocodes/config-array@0.13.0: Use @eslint/config-array instead
npm WARN deprecated rimraf@3.0.2: Rimraf versions prior to v4 are no longer supported
npm WARN deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm WARN deprecated @humanwhocodes/object-schema@2.0.3: Use @eslint/object-schema instead
npm WARN deprecated eslint@8.57.1: This version is no longer supported. Please see https://eslint.org/version-support for other options.

added 368 packages, and audited 369 packages in 7m

41 packages are looking for funding
  run 'npm fund' for details

Found 0 vulnerabilities

success! Created gorent-wheels at K:\Rizwan PC Data\gorent-wheels
```

## Problem facing to install Santy

```
Microsoft Windows [Version 10.0.21996.1]
(c) Microsoft Corporation. All rights reserved.

D:\Milestone3\hackathon 3\rental-e-com.day3>code .

D:\Milestone3\hackathon 3\rental-e-com.day3>npx create sanity@latest
The 'sanity' module is not installed in current project
Project-specific commands not available until you run 'npm install'
You are logged in as mrizwanali6@gmail.com using Google
Fetching existing projects

? Create a new project or select an existing one Create new project
? Your project name: rental-e-com.day3
Your content will be stored in a dataset that can be public or private, depending on whether you want to query your content with or without authentication.
The default dataset configuration has a public dataset named "production".
? Use the default dataset configuration? Yes
? Creating dataset
? Would you like to add configuration files for a Sanity project in this Next.js folder? Yes
?
? It looks like you are using Next.js 15 and React 19
? Please read our compatibility guide.
? https://www.sanity.io/help/react-19
?
? Do you want to use TypeScript? Yes
? Would you like an embedded Sanity Studio? Yes
? What route do you want to use for the Studio? /studio
? File src\app\studio\[[...tool]]\page.tsx already exists. Do you want to overwrite it? Yes
? File sanity.config.ts already exists. Do you want to overwrite it? Yes
? File sanity.cli.ts already exists. Do you want to overwrite it? Yes
? Select project template to use Clean project with no predefined schema types
? File src\sanity\env.ts already exists. Do you want to overwrite it? Yes
? File src\sanity\lib\client.ts already exists. Do you want to overwrite it? Yes
? File src\sanity\lib\live.ts already exists. Do you want to overwrite it? Yes
? File src\sanity\lib\image.ts already exists. Do you want to overwrite it? Yes
? File src\sanity\schemas\types\index.ts already exists. Do you want to overwrite it? Yes
? File src\sanity\structure.ts already exists. Do you want to overwrite it? Yes
? Would you like to add the project ID and dataset to your .env.local file? Yes
Added http://localhost:3000 to CMS origins
Running 'npm install --legacy-peer-deps --save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6'
npm ERR! code ECONNRESET
npm ERR! syscall read
npm ERR! errno ECONNRESET
npm ERR! network Invalid response body while trying to fetch https://registry.npmjs.org/@codemirror%2f: read ECONNRESET
npm ERR! network This is a problem related to network connectivity.
npm ERR! network In most cases you are behind a proxy or have bad network settings.
npm ERR! network If you are behind a proxy, please make sure that the
npm ERR! network 'proxy' config is set properly. See: 'npm help config'

npm ERR! A complete log of this run can be found in: C:\Users\Administrator\AppData\Local\npm-cache\_logs\2025-01-21T06_58_50_018Z-debug-0.log

Error: Command failed with exit code 1 (Unknown system error -1): npm install --legacy-peer-deps --save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6
    at error (C:\Users\Administrator\AppData\Local\npm-cache\_logs\2025-01-21T06_58_50_018Z-debug-0.log)
    at C:\Users\Administrator\AppData\Local\npm-cache\_logs\2025-01-21T06_58_50_018Z-debug-0.log:11:11
    at AsyncInstallNewPackages (C:\Users\Administrator\AppData\Local\npm-cache\_logs\2025-01-21T06_58_50_018Z-debug-0.log:11:11)
    at AsyncInstallSanity (C:\Users\Administrator\AppData\Local\npm-cache\_logs\2025-01-21T06_58_50_018Z-debug-0.log:11:11)
    at C:\Users\Administrator\AppData\Local\npm-cache\_logs\2025-01-21T06_58_50_018Z-debug-0.log:11:11

D:\Milestone3\hackathon 3\rental-e-com.day3>
```

## Install Sanity Successfully

```
D:\Milestone3\hackathon 3\rental-e-com.day3>npm create sanity@latest
You are logged in as mrizwanali6@gmail.com using Google
Fetching existing projects

? Create a new project or select an existing one rental-e-com.day3 (9hcu6acv)
? Select dataset to use production
? Would you like to add configuration files for a Sanity project in this Next.js folder? Yes

It looks like you are using Next.js 15 and React 19
Please read our compatibility guide.
https://www.sanity.io/help/react-19

? Do you want to use TypeScript? Yes
? Would you like an embedded Sanity Studio? Yes
? What route do you want to use for the Studio? /studio
? File \src\app\studio\[[...tool]]\page.tsx already exists. Do you want to overwrite it? Yes
? File \sanity.config.ts already exists. Do you want to overwrite it? Yes
? File \sanity.cli.ts already exists. Do you want to overwrite it? Yes
? Select project template to use Clean project with no predefined schema types
? File \src\sanity\env.ts already exists. Do you want to overwrite it? Yes
? File \src\sanity\lib\client.ts already exists. Do you want to overwrite it? Yes
? File \src\sanity\lib\live.ts already exists. Do you want to overwrite it? Yes
? File \src\sanity\lib\image.ts already exists. Do you want to overwrite it? Yes
? File \src\sanity\schemaTypes\index.ts already exists. Do you want to overwrite it? Yes
? File \src\sanity\structure.ts already exists. Do you want to overwrite it? Yes
? Would you like to add the project ID and dataset to your .env.local file? Yes
Running 'npm install --legacy-peer-deps --save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6'

up to date, audited 1290 packages in 15s

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

found 0 vulnerabilities

added 16 packages, and audited 1306 packages in 23s


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

found 0 vulnerabilities

Success! Your Sanity configuration files has been added to this project

D:\Milestone3\hackathon 3\rental-e-com.day3>
```

## Sanity Project Interface



Muhammad Rizwan Ali

rental-e-com-temp.7

16 days left in trial

RE

**rental-e-com-temp.7**

PLAN

Growth Trial

STATUS

Active

PROJECT ID

Zyow5vzi

Getting started

Overview

Members

Studios

Datasets

Access

Activity

Usage

Plan

API

Settings

Webhooks


CORS origins

Tokens

**GROQ-powered webhooks**

HTTP callbacks to a given URL triggered by changes in your content lake

[Learn more about webhooks](#)



There are no GROQ-powered webhooks in this project

Maybe try creating a new webhook?

+ Create webhook

0 of 2 webhooks (2 included in plan)

Get more webhooks

## CORS origins

The screenshot shows the Sanity Studio interface for a project named "rental-e-com-temp.7". The user is "Muhammad Rizwan Ali". The "API" tab is selected in the top navigation bar. On the left sidebar, "Webhooks" is selected, and "CORS origins" is highlighted. The main content area shows the "CORS origins" section with a description: "Hosts that can connect to the project API." and a "+ Add CORS origin" button. Below this is a table with columns "ORIGIN", "CREDENTIALS", and "CREATED".

ORIGIN	CREDENTIALS	CREATED
http://localhost:3000	Allowed	2 weeks
http://localhost:3333	Allowed	2 weeks

Below the table is the "Tokens" section with a description: "Tokens are used to authenticate apps and scripts to access project data." and a "+ Add API token" button. A table with columns "NAME", "PERMISSIONS", and "CREATED" is partially visible.

## Tokens Generate prosses

The screenshot shows the Sanity Studio interface for the same project. The "API" tab is still selected, but now the "Tokens" section is highlighted in the sidebar. The main content area shows the "Tokens" section with a description: "Tokens are used to authenticate apps and scripts to access project data." and a "+ Add API token" button. Below this is a form with a "Name" field (examples: "Employee import", "Website preview" or "PDF generator") and a "Permissions" section. The "Permissions" section has a heading "Choose the access privileges for the token." and three radio button options: "Contributor", "Deploy Studio (Token only)", and "Developer". The "Developer" option is selected.

## Generated SANITY\_API\_TOKEN:

The screenshot shows the Sanity Studio interface for the same project. The "API" tab is still selected, and the "Tokens" section is highlighted. The main content area shows the "Tokens" section with a description: "Tokens are used to authenticate apps and scripts to access project data." and a "+ Add API token" button. Below this is a table with columns "NAME", "PERMISSIONS", and "CREATED". The table shows a token named "api-token" with "Developer" permissions, created "-1 minutes" ago. Below the table is a large text box containing the generated token: "skY69RcbJFQndgc1h7PF44jx7SfKI8R3uRKt0nGpUU0DHBqy99DTgtgJ8I1MLAqYmJsFrXJvTYd7Spz102phw6hFSqw6zxyzcrrPUz5ceDwAdjBmec34tn3M2sU9KsSbkqsKugL5ng9k3ch1s5W7ySQYgs27YG6RbfPpTJeeH3xYgd xX6o0Wq3". A message "Copy the token below – this is your only chance to do so!" is displayed above the token. A "Copied token to clipboard" message is shown at the bottom right.

## Set .env.local

```
File Edit Selection View Go Run Terminal Help
Search [Administrator]

$.env.local x
F:\> Rizwan PC Data > hackathon 1 > GoRent Wheels > $.env.local
1 NEXT_PUBLIC_SANITY_API_VERSION="2025-01-27"
2 NEXT_PUBLIC_SANITY_DATASET="production"
3 NEXT_PUBLIC_SANITY_PROJECT_ID="2yow5vzi"
4 SANITY_API_TOKEN="skxsFPQ1VbmPtahX4vqpPz1Rxdc7Z98uWIEqbcvFLG25wQ5wktZU0xhTCE39Idod1JTBvc1e6i4Z01twag4LkncJg8kgaj7FXAZN9TRm2Ejxb0oiOqpfx5sFYWJb1aOF6LAA3F0335x0o3oTo51ga3X
5
```

## Create Schema Types

```
Run Terminal Help
rental-e-com.day3

$.env.local x cars.ts
src > sanity > schemaTypes > cars.ts > default
1 export default {
2   name: 'car',
3   type: 'document',
4   title: 'Car',
5   fields: [
6     {
7       name: 'name',
8       type: 'string',
9       title: 'Car Name',
10    },
11    {
12      name: 'brand',
13      type: 'string',
14      title: 'Brand',
15      description: 'Brand of the car (e.g., Nissan, Tesla, etc.)',
16    },
17    {
18      name: 'type',
19      type: 'string',
20      title: 'Car Type',
21      description: 'Type of the car (e.g., Sport, Sedan, SUV, etc.)',
22    },
23    {
24      name: 'fuelCapacity',
25      type: 'string',
26      title: 'Fuel Capacity',
27      description: 'Fuel capacity or battery capacity (e.g., 90L, 100kWh)',
28    },
29    {
30      name: 'transmission',
31      type: 'string',
32      title: 'Transmission',
33      description: 'Type of transmission (e.g., Manual, Automatic)',
34    },
35    {
36      name: 'seatingCapacity',
37      type: 'string',
38      title: 'Seating Capacity',
39    }
40  ]
41 }
```

```
Run Terminal Help
rental-e-com.day3

cars.ts x indexes
src > sanity > schemaTypes > cars.ts > default
1 export default {
2   fields: [
3     {
4       name: 'seatingCapacity',
5       type: 'string',
6       title: 'Seating Capacity',
7       description: 'Number of seats (e.g., 2 People, 4 seats)',
8     },
9     {
10      name: 'pricePerDay',
11      type: 'string',
12      title: 'Price Per Day',
13      description: 'Rental price per day',
14    },
15    {
16      name: 'originalPrice',
17      type: 'string',
18      title: 'Original Price',
19      description: 'Original price before discount (if applicable)',
20    },
21    {
22      name: 'tags',
23      type: 'array',
24      title: 'Tags',
25      of: [{ type: 'string' }],
26      options: {
27        layout: 'tags',
28      },
29      description: 'Tags for categorization (e.g., popular, recommended)',
30    },
31    {
32      name: 'image',
33      type: 'image',
34      title: 'Car Image',
35      options: {
36        hotspot: true
37      }
38    }
39  ]
40 }
```

## Index file Updated

```
index.ts x
src > sanity > schemaTypes > index.ts > ...
1 import { type SchemaTypeDefinition } from "sanity";
2 import banner from "../schemas/banner";
3 import car from "../schemas/car";
4
5 export const schema: { types: SchemaTypeDefinition[] } = {
6   types: [banner, car],
7 };

```

## Create scripts/importTemplate7Data.mjs

```
Run Terminal Help
rental-e-com.day3
importTemplate7Data.mjs x
scripts > importTemplate7Data.mjs
1
Ln 1, Col 1 Spaces: 2 UTF-8 CRLF () JavaScript Go Live Prettier
```

## Enter importTemplate7Data.mjs Data:

```
EXPLORER
RENTAL-E-COM.DAY3
  node_modules
  public
  scripts
  importTemplate7Data.mjs
  src
    app
    sanity
      lib
      schemaTypes
        cars.ts
        index.ts
        env.ts
        structure.ts
      .env.local
      .gitignore
      eslint.config.mjs
      next-env.d.ts
      next.config.ts
      package-lock.json
      package.json
      postcss.config.mjs
      README.md
      sanity.d.ts
      sanity.config.ts
      tailwind.config.ts
      tsconfig.json
  OUTLINE
  TIMELINE

importTemplate7Data.mjs x
scripts > importTemplate7Data.mjs > ...
1 import { createClient } from '@sanity/client';
2 import axios from 'axios';
3 import dotenv from 'dotenv';
4 import { fileURLToPath } from 'url';
5 import path from 'path';
6
7 // Load environment variables from .env.local
8 const __filename = fileURLToPath(import.meta.url);
9 const __dirname = path.dirname(__filename);
10 dotenv.config({ path: path.resolve(__dirname, '../.env.local') });
11
12 // Create Sanity client
13 const client = createClient({
14   projectId: process.env.NEXT_PUBLIC_SANITY_PROJECT_ID,
15   dataset: process.env.NEXT_PUBLIC_SANITY_DATASET,
16   useCdn: false,
17   token: process.env.SANITY_API_TOKEN,
18   apiVersion: '2021-08-31'
19 });
20
21 async function uploadImageToSanity(imageUrl) {
22   try {
23     console.log('Uploading image: ${imageUrl}');
24     const response = await axios.get(imageUrl, { responseType: 'arraybuffer' });
25     const buffer = Buffer.from(response.data);
26     const asset = await client.assets.upload('image', buffer, {
27       filename: imageUrl.split('/').pop()
28     });
29     console.log('Image uploaded successfully: ${asset.id}');
30     return asset.id;
31   } catch (error) {
32     console.error('Failed to upload image:', imageUrl, error);
33     return null;
34   }
35 }
36
37 async function importData() {
38   try {
39     console.log('Fetching car data from API...');

```

```

JS importTemplate7Data.mjs ×
scripts > JS importTemplate7Data.mjs > ...
37   async function importData() {
38     try {
39       console.log('Fetching car data from API...');
40
41       // API endpoint containing car data
42       const response = await axios.get('https://sanity-nextjs-application.vercel.app/api/hackathon/template7');
43       const cars = response.data;
44
45       console.log(`Fetched ${cars.length} cars`);
46
47       for (const car of cars) {
48         console.log(`Processing car: ${car.name}`);
49
50         let imageRef = null;
51         if (car.image_url) {
52           imageRef = await uploadImageToSanity(car.image_url);
53         }
54
55         const sanityCar = {
56           _type: 'car',
57           name: car.name,
58           brand: car.brand || null,
59           type: car.type,
60           fuelCapacity: car.fuel_capacity,
61           transmission: car.transmission,
62           seatingCapacity: car.seating_capacity,
63           pricePerDay: car.price_per_day,
64           originalPrice: car.original_price || null,
65           tags: car.tags || [],
66           image: imageRef ? {
67             _type: 'image',
68             asset: {
69               _type: 'reference',
70               _ref: imageRef,
71             },
72           } : undefined,
73         };
74       }

```

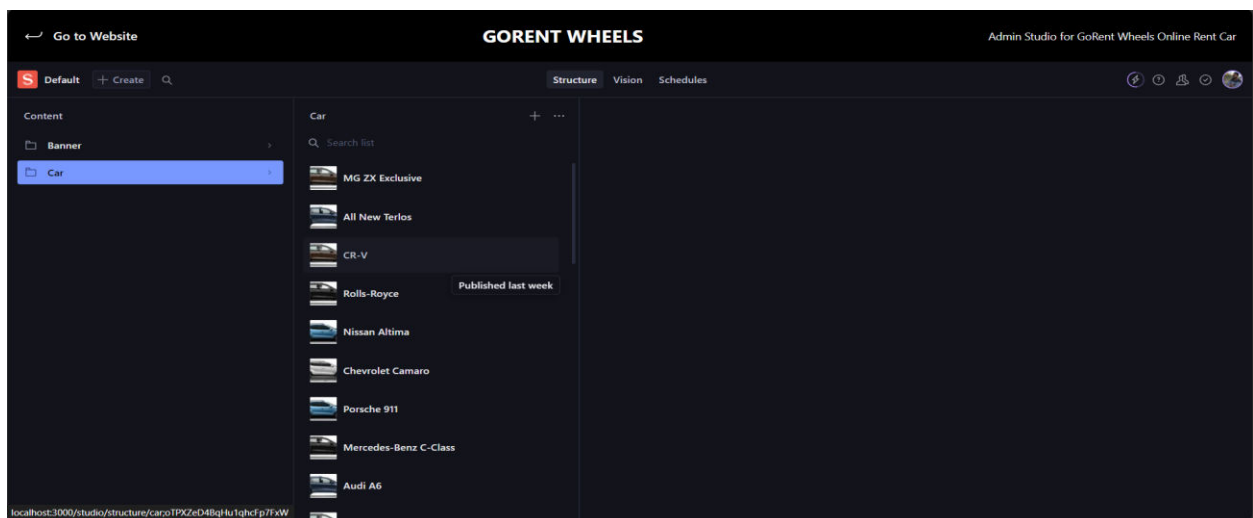
Define importTemplate7Data.mjs Data

```

{} package.json ×
{} package.json > ...
1  {
2    "name": "car-rent",
3    "version": "0.1.0",
4    "private": true,
5    "scripts": {
6      "dev": "next dev",
7      "build": "next build",
8      "start": "next start",
9      "lint": "next lint",
10     "import-data": "node scripts/importTemplateData.mjs"
11   },
12   "dependencies": {
13     "@radix-ui/react-dropdown-menu": "^2.1.2",
14     "@radix-ui/react-slot": "^1.1.0",
15     "@sanity/vision": "^3.70.0",
16     "class-variance-authority": "^0.7.1",
17     "clsx": "^2.1.1",
18     "lucide-react": "^0.468.0",
19     "next": "^15.1.5",

```

Fetch all data in sanity studio



# **Hackathon Day 4**



GORENT WHEELS

Search products...

Search


HomeCategoryRental CartSign in

Easy way to rent a car  
at a low price

Find the best rental cars now!

Providing cheap car rental services and safe and comfortable facilities.

Rent Now




Popular Cars


View All →

Recommended Cars


View All →

FLEXIBLE RENTALS


Rent by day, week, or month

COMPREHENSIVE INSURANCE

Drive worry free with full coverage

24/7 ROADSIDE ASSISTANCE

Help is always a call away

WIDE SELECTION OF CARS

Choose from economy to luxury

About

How it works

Featured

Partnership

Business Relation

Community

Events

Blog

Podcast

Invite a Friend

Socials

Discord

Instagram

Twitter

Facebook

Legal

Privacy & Policy

Terms & Condition

Whit data Fetch Interface

GORENT WHEELS

Search products...

Search

Home

Category

Rental Cart


Sign in

Easy way to rent a car at a low price

Find the best rental cars now!

Providing cheap car rental services and safe and comfortable facilities.

Rent Now




Profile

Rent Now

Popular Cars

View All




★★★★★  
BRAND

Sport | 80LL Fuel | Manual | 2 People Seats

Rent: \$NaN / day

Rent this Car




★★★★★  
BRAND

Hybrid | 90LL Fuel | Manual | 5 seats Seats

Rent: \$NaN / day

Rent this Car





★★★★★  
BRAND


SUV | 90LL Fuel | Manual | 6 People Seats

Rent: \$NaN / day

Rent this Car







Rent Now Working

GORENT WHEELS

Search products...

Home


Category

Rental Cart

Sign in

Popular Cars

View All




★★★★★  
NISSAN  
Car Title

Sport | 80LL Fuel | Manual | 2 People Seats

Rent: \$80.00 / day

Rent Now




★★★★★  
AUDI  
Car Title

Hybrid | 50LL Fuel | Manual | 5 seats Seats

Rent: \$120.00 / day

Rent Now





★★★★★  
TERLOS  
Car Title


SUV | 90LL Fuel | Manual | 6 People Seats

Rent: \$74.00 / day

Rent Now







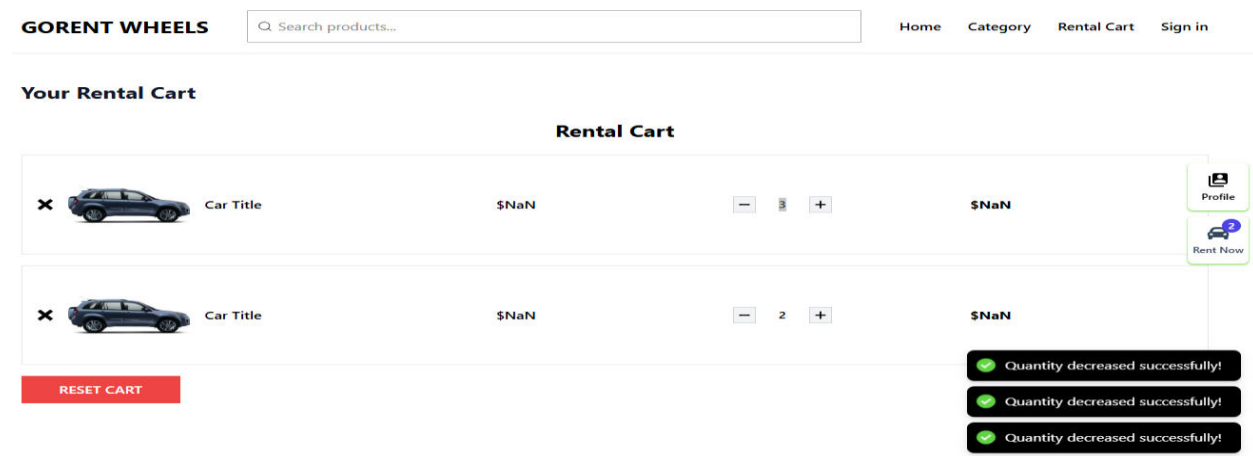
✔ "All New Terlos" added to cart!

Profile

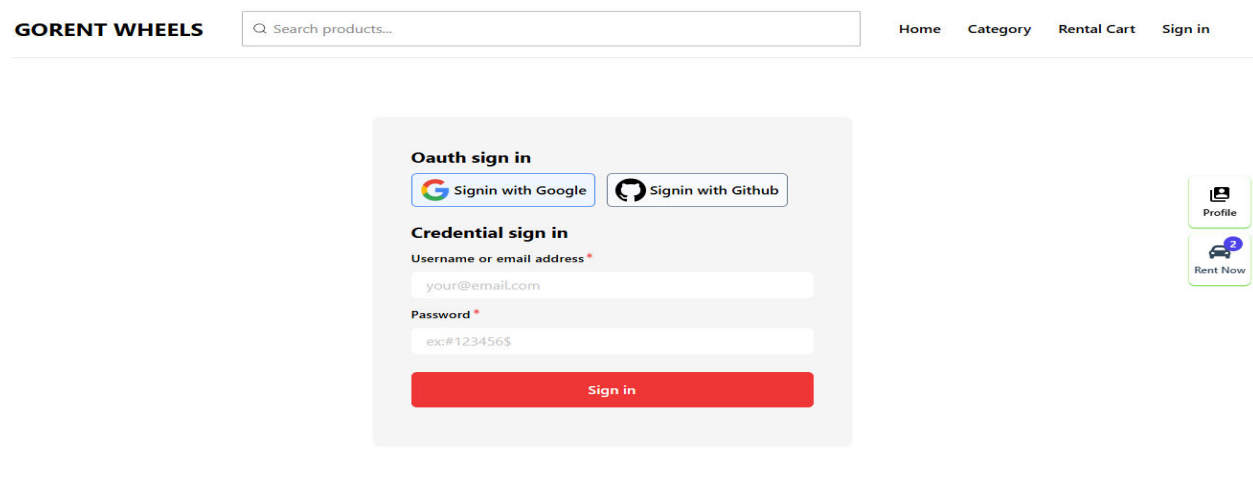
Rent Now



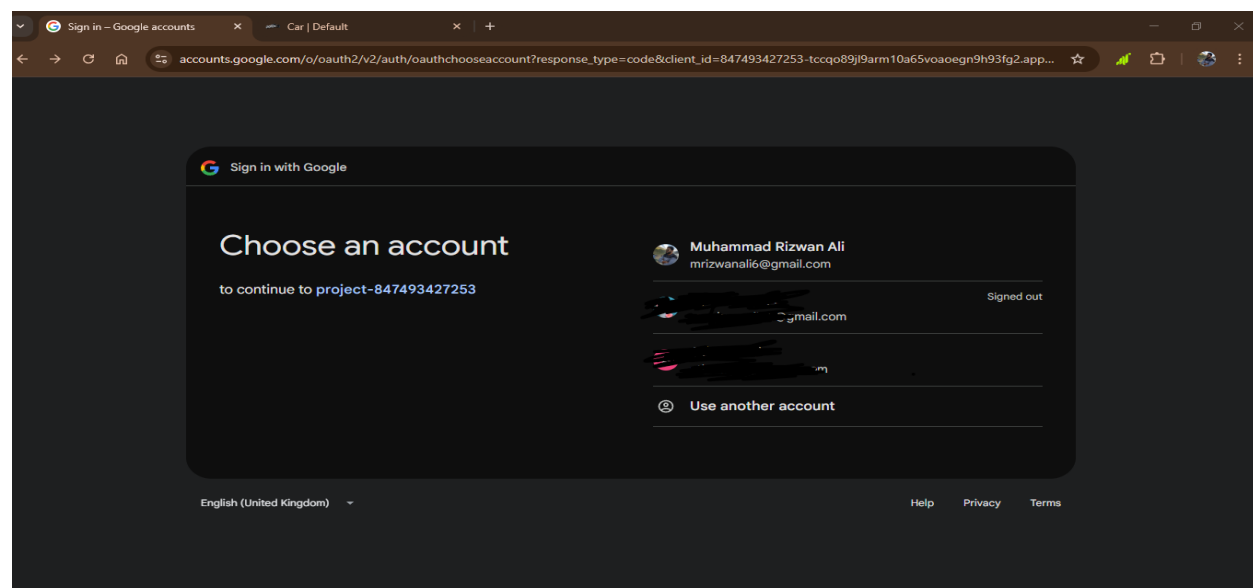
## Products Quantity decrease



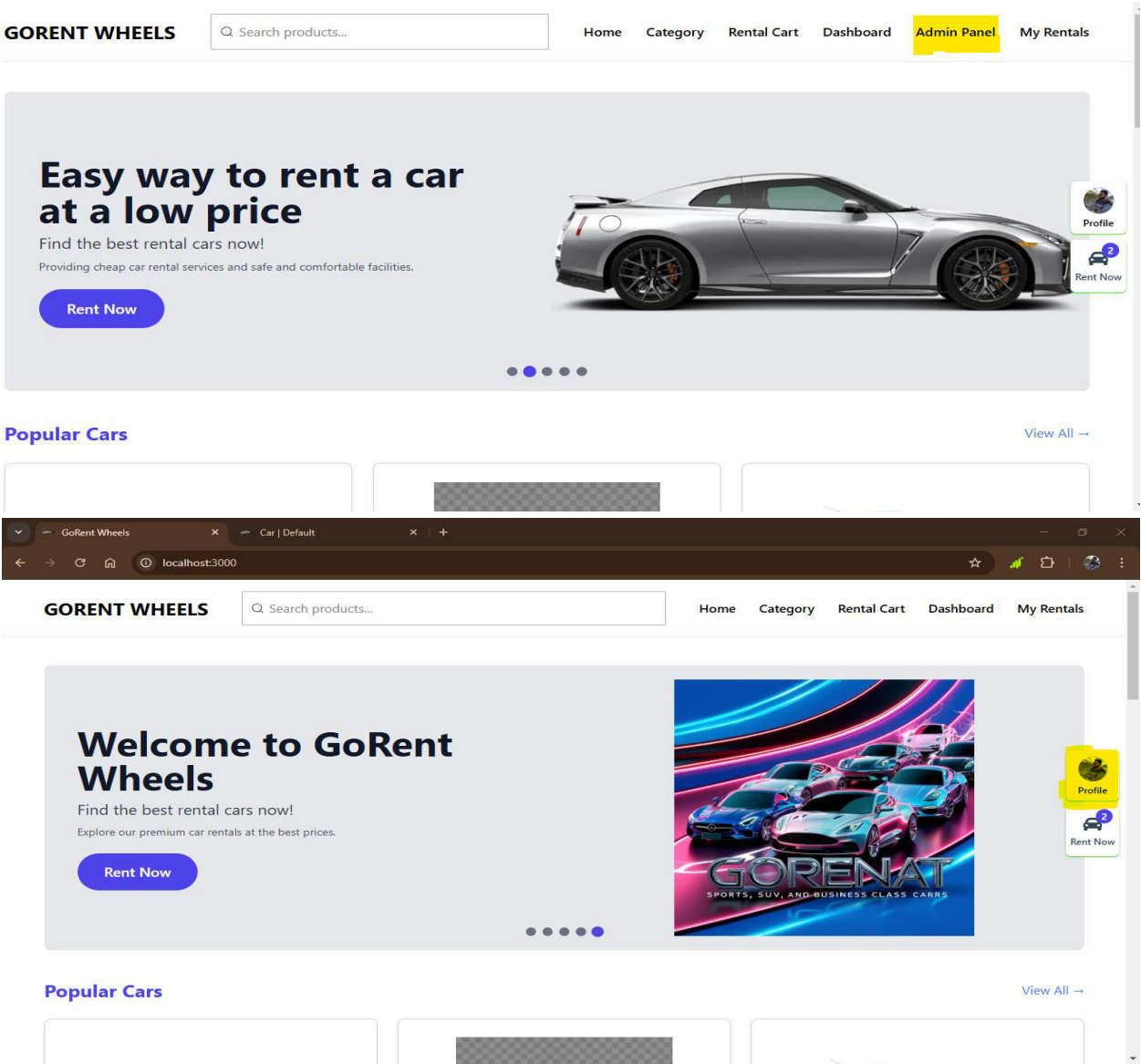
## Login / Sign up page



## Login / Sign up whit Google

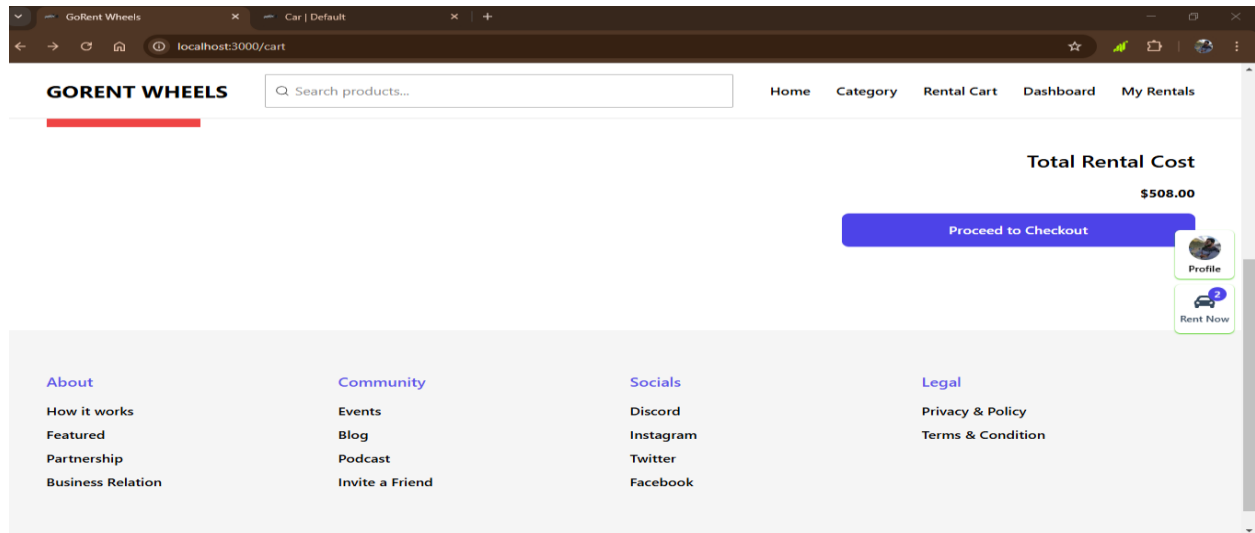


Login icon profile

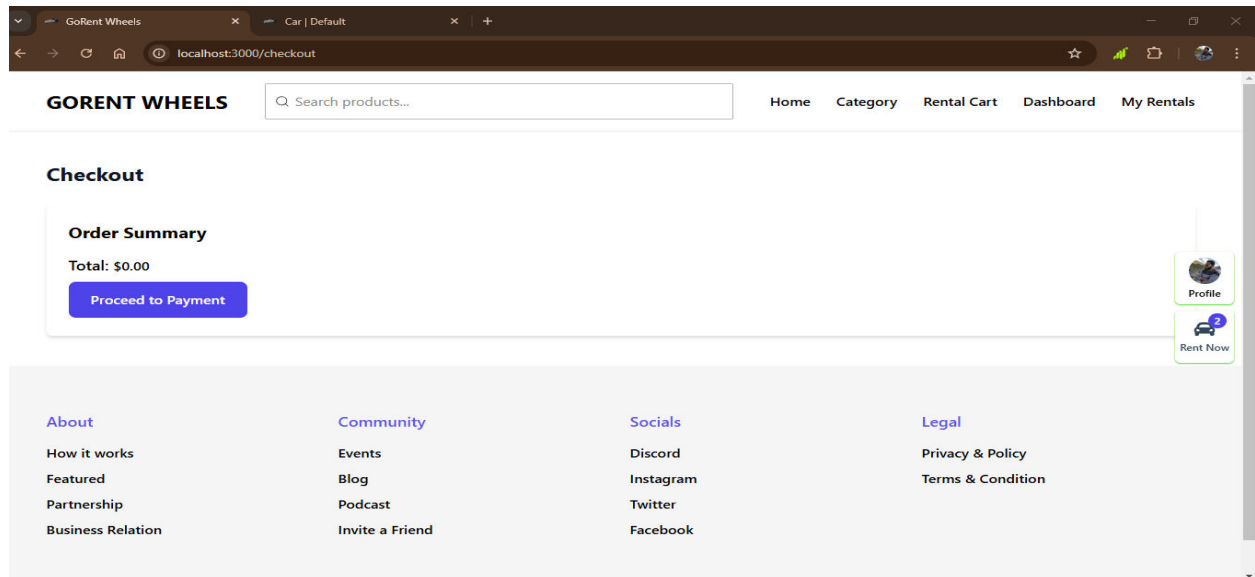


Sign out page

## Payment process page



## Checkout page



## GoRent Wheels - Your Ultimate Car Rental Solution

### Why GoRent Wheels Was Created?

GoRent Wheels was built to provide a seamless and reliable car rental experience. Whether for business, travel, or daily commuting, we aim to make car rentals hassle-free, affordable, and accessible across Pakistan.

### How It Works?

Users can browse available cars, select pickup and drop-off locations, and choose rental durations. With an easy checkout process and secure payments, renting a car has never been easier.

### Future Possibilities

- **Expansion to More Cities:** Covering more locations for wider accessibility.
- **Membership Plans:** Special discounts for frequent renters.
- **Advanced AI Recommendations:** Smart suggestions based on user preferences.
- **Mobile App Development:** A dedicated app for even smoother booking.

GoRent Wheels is revolutionizing car rentals—making travel more convenient, flexible, and affordable!

## GoRent Wheels - Technology & Integration Overview

### Authentication & Authorization

We use **Google Authentication** via **Firebase** to ensure a secure and seamless sign-in experience. This allows users to log in using their Google accounts, ensuring fast access without needing separate credentials.

### Payment Gateway Integration

For secure and reliable transactions, we have integrated **Stripe** as our payment gateway. This enables smooth and encrypted online payments, supporting multiple payment methods for user convenience.

### State Management & Component Integration

- **Redux Toolkit** – Manages cart state efficiently, ensuring smooth rental booking functionality.
- **Next.js & React** – Used for component-based architecture, improving performance and modularity.



- **Tailwind CSS & Styled Components** – Enhances UI/UX with modern and responsive design.
- **Framer Motion** – Adds animations for a smooth user experience.

GoRent Wheels is built with the latest technologies to provide a fast, secure, and user-friendly car rental experience!

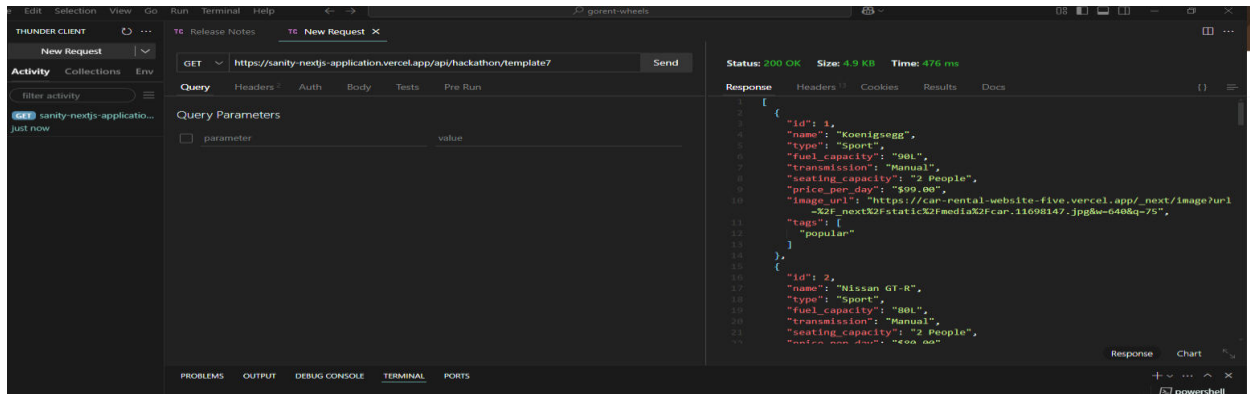
## Conclusion

GoRent Wheels is a **user-friendly, scalable, and efficient** car rental platform designed for seamless booking and secure transactions. With **Google Firebase authentication**, users can log in effortlessly, while **Stripe integration** ensures safe and hassle-free payments. The platform leverages **Next.js, Redux Toolkit, and Tailwind CSS** to provide a fast, responsive, and visually appealing experience.

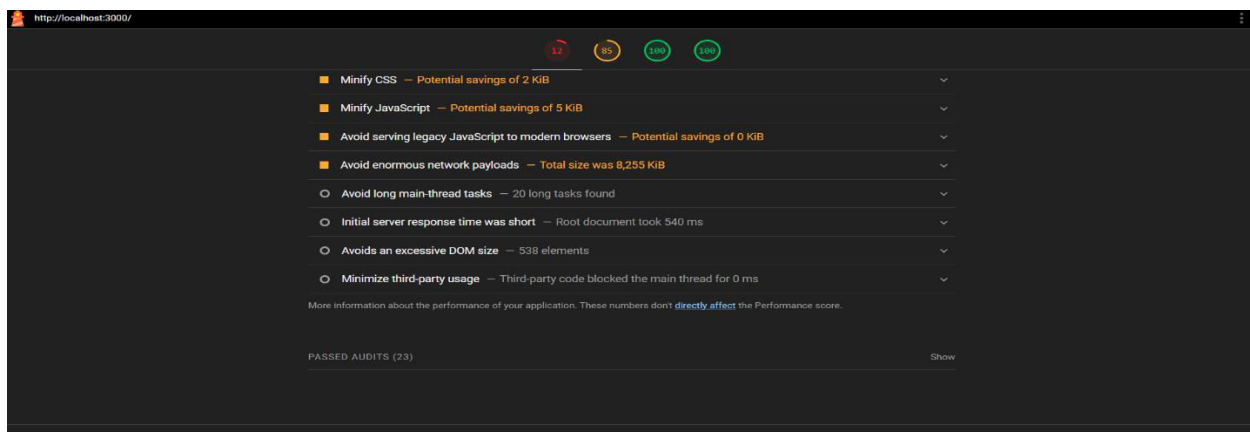
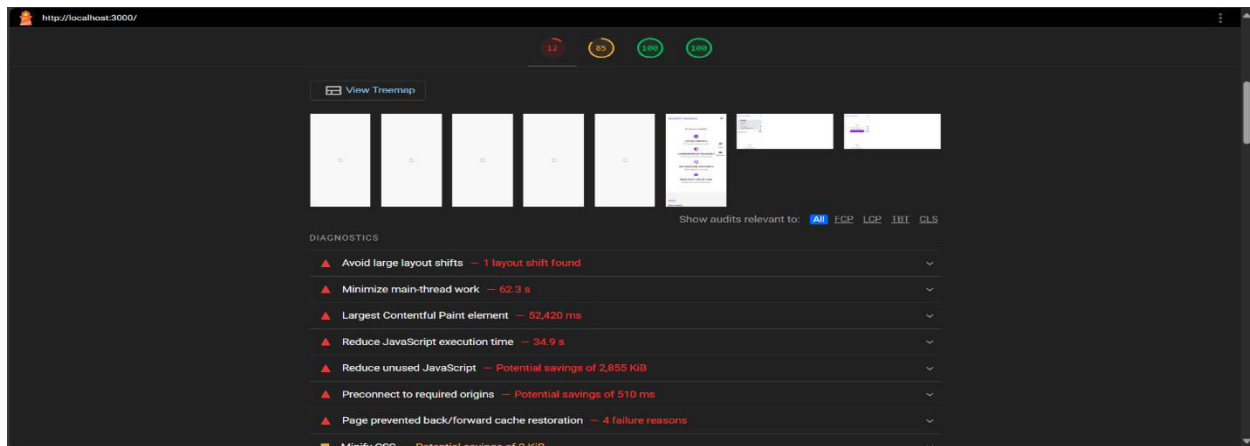
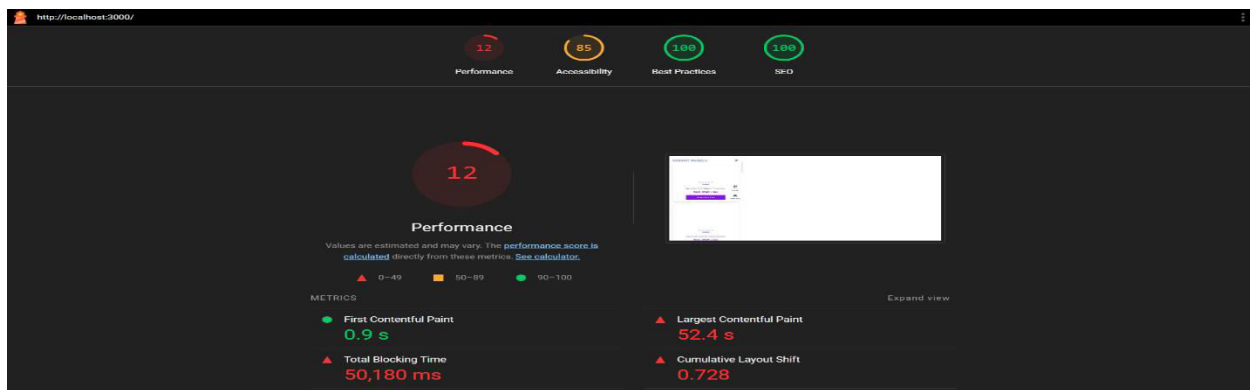
Built with scalability in mind, GoRent Wheels is optimized for future growth, making it easy to expand features, integrate new functionalities, and enhance user experience. Whether for short-term rentals or long journeys, this platform ensures a **smooth, reliable, and modern** car rental experience!


## **Hackathon Day 5**

# Thunder client Report



# Lighthouse report



 http://localhost:3000/

1285100100

85

### 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.

NAMES AND LABELS

▲ Buttons do not have an accessible name

These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.


CONTRAST

▲ Background and foreground colors do not have a sufficient contrast ratio.

These are opportunities to improve the legibility of your content.

23°C

7:40 pm

 http://localhost:3000/

1285100100

85

BEST PRACTICES

▲ Touch targets do not have sufficient size or spacing.


These items highlight common accessibility best practices.

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 (19) Show

NOT APPLICABLE (35) Show

 http://localhost:3000/

1285100100

100

### Best Practices

TRUST AND SAFETY

○ Ensure CSP is effective against XSS attacks

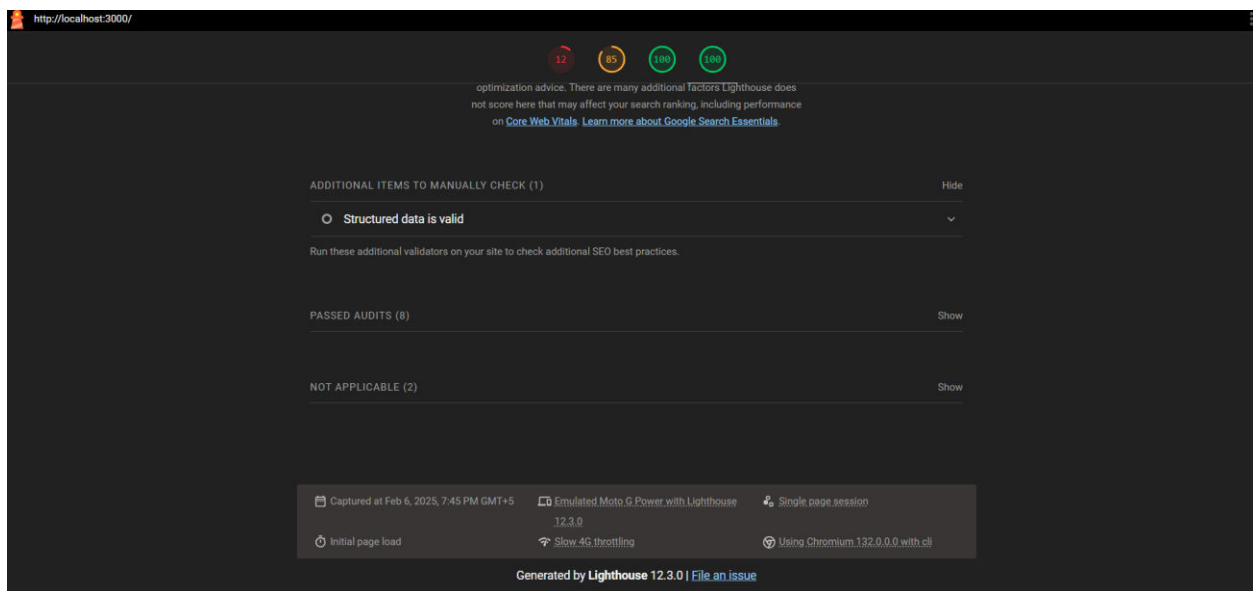
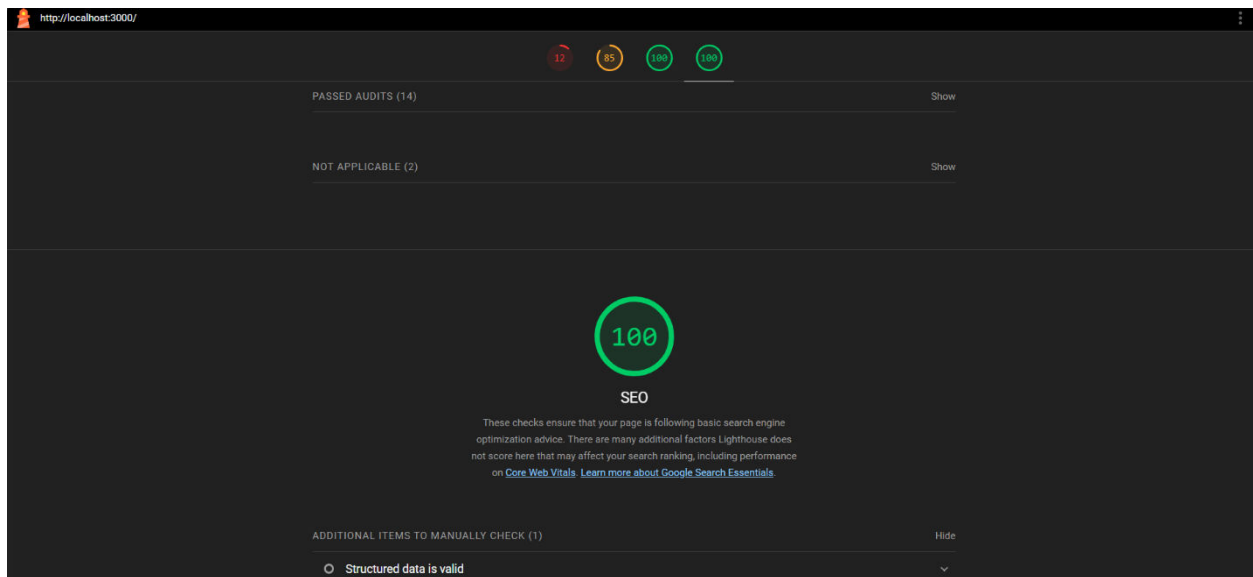
○ Use a strong HSTS policy

○ Ensure proper origin isolation with COOP

GENERAL

▲ Missing source maps for large first-party JavaScript

PASSED AUDITS (14) Show



# **Hackathon Day 6**

## GitHub Repo Push Data

The screenshot shows the GitHub repository page for 'GoRent-Wheels32677'. The repository is public and has 1 commit. The commit history table lists the following files and their commit times:

File	Commit Time
middleware.ts	Initial project commit (53 minutes ago)
next.config.mjs	Initial project commit (53 minutes ago)
package-lock.json	Initial project commit (53 minutes ago)
package.json	Initial project commit (53 minutes ago)
postcss.config.mjs	Initial project commit (53 minutes ago)
sanity.cli.ts	Initial project commit (53 minutes ago)
sanity.config.ts	Initial project commit (53 minutes ago)
tailwind.config.ts	Initial project commit (53 minutes ago)
tsconfig.json	Initial project commit (53 minutes ago)
types.ts	Initial project commit (53 minutes ago)

The README file is visible, showing the project is a Next.js project bootstrapped with create-next-app. The 'Getting Started' section includes the command to run the development server:

```
npm run dev
# or
yarn dev
# or
npm dev
```

The right sidebar shows the 'Production' deployment status, a language usage chart (TypeScript 96.8%, JavaScript 3.1%, CSS 0.1%), and suggested workflows for Deno, Grunt, and SLSA Generic generator.

## Vercel Deploy Data Error

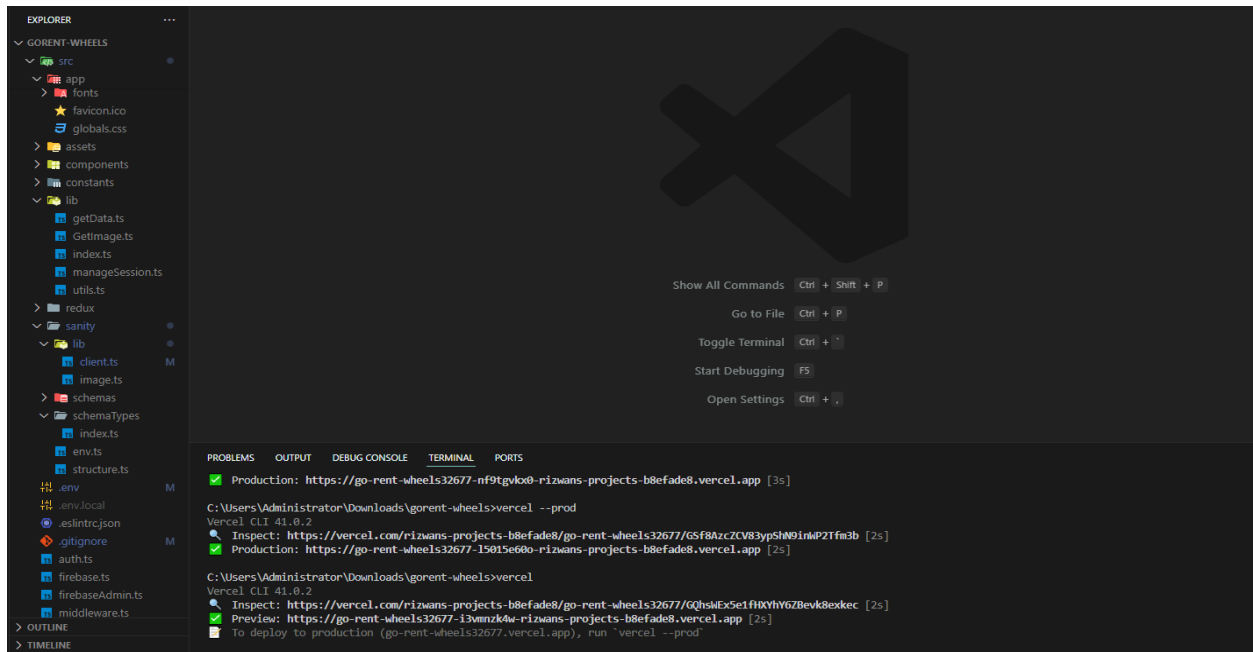
The screenshot shows a Vercel deployment error log. The deployment failed with an error. The build logs show the following error:

```
11:57:06.149 Failed to compile.
11:57:06.149 /src/app/(user)/product/[slug]/page.tsx:39:15
11:57:06.149 Type error: Type '{}' is not assignable to type 'string | StaticImport'.
11:57:06.149 37 | (car.image?.asset?.url ? (
11:57:06.149 38 | <Image
11:57:06.149 > 39 |   src={car.image.asset.url
11:57:06.149    |   ^
11:57:06.149 40 |   alt={car.name || "Car Image"}
11:57:06.149 41 |   width={500}
11:57:06.149 42 |   height={300}
11:57:06.219 Error: Command "npm run build" exited with 1
11:57:06.789
```

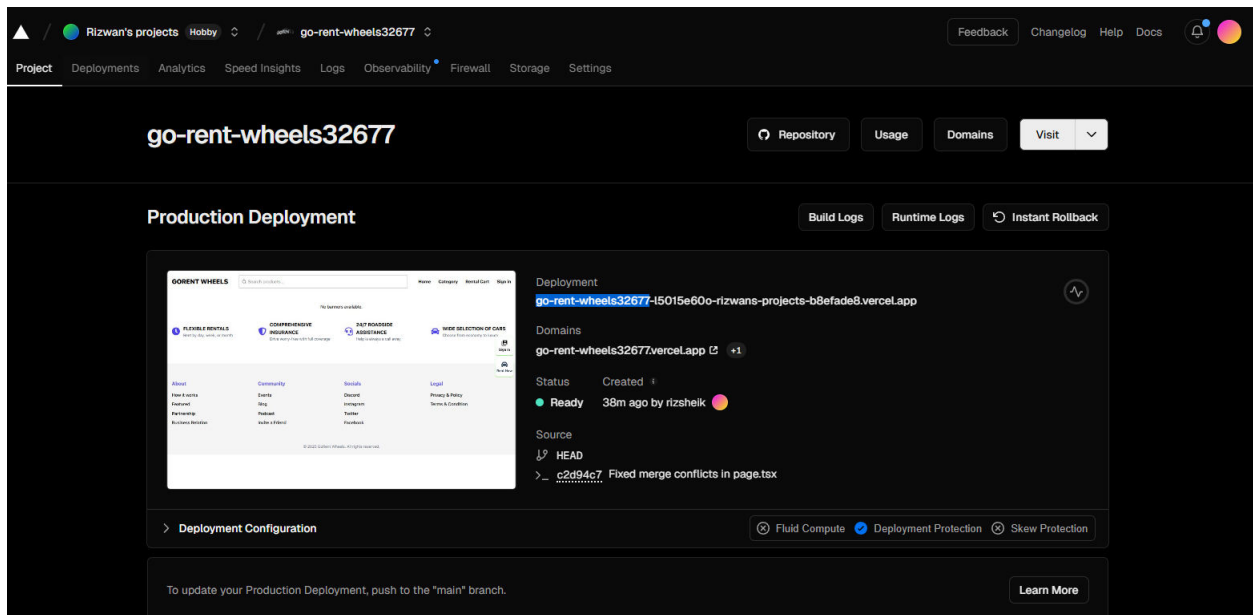
The error message indicates a TypeScript compilation failure due to a type mismatch in the `src/app/(user)/product/[slug]/page.tsx` file. The error is related to the `src` prop of the `<Image>` component, which is assigned the value `car.image.asset.url`. The error message states: `Type error: Type '{}' is not assignable to type 'string | StaticImport'.`



## Fix all Error and Deploy Vercel in VS. Code Successfully



## Vercel Deploy Sanity issue



Resolve sanity issue

```
C:\Users\Administrator\Downloads\gorent-wheels>sanity debug

User:
  ID: 'pxvGFjvUM'
  Name: 'Muhammad Rizwan Ali'
  Email: 'mrizwanali6@gmail.com'
  Roles: [ 'administrator' ]

Project:
  ID: '2yow5vzi'
  Display name: 'rental-e-com-temp.7'
  Studio URL: null

Authentication:
  User type: 'normal'
  Auth token: '<redacted>'

  (run with --secrets to reveal token)

Global config (C:\Users\Administrator\.config\sanity\config.json):
{
  telemetryDisclosed: 1735553594889,
  cliLastUpdateCheck: 1739011091370,
  telemetryConsent: {
    value: { type: 'telemetry', status: 'granted' },
    updatedAt: 1738902562639
  },
  cliHasUpdate: '3.74.1'
}

Project config (sanity.cli.ts):
{ api: { projectId: '2yow5vzi', dataset: 'production' } }

Package versions:
@sanity/cli (global) 3.71.0 (latest: 3.74.1)
@sanity/image-url    1.1.0 (up to date)
@sanity/vision        3.72.1 (latest: 3.74.1)
sanity                3.72.1 (latest: 3.74.1)
```

Git link: <https://github.com/RizSheik/GoRent-Wheels32677.git>

vercel link: <https://go-rent-wheels32677.vercel.app/>

Testing Report link :

[https://drive.google.com/drive/folders/12zdXitqnYsNqyzjiPVdjkw9oJFtX4EaD?usp=drive\\_link](https://drive.google.com/drive/folders/12zdXitqnYsNqyzjiPVdjkw9oJFtX4EaD?usp=drive_link)