Name: SHOAIB TAHIR Hackaton Day 2: Define Technical Requirements This document focusing on three key areas: 1) Frontend Requirements: · User-friendly interface & Responsive design: Easy to run design for finding and booking can when way well on both phone & computer. · Key Pages: * Home Page: Welcome page with car options & promotions * Car listing page: Show all available caus and allow were to search and filler cars by price, model or location, * Car letails lage: Info about each car Buch as images, specifications, untal price and availability. * Booking Page, usus to select untal duration & fill in their details * Check out page: Enter payment & booking details " Order comprimation: Display success message and sooking details. *) Samity CMS as Backend · We sarity CMS to manage! * Con Data; Marage all car details (such as model

me, mages & availability) Castomer Details: Store reser details like name, contact nto, and past bookings. Booking Records Record every untal transaction, liveling payment States. Design Schemas in Sonity to match business goods which Third-Party APIS (Esternal Services) * Payment goteway: Use a secure service to handle payments. * Shigment Tracking: For any con deliver services Map services: Show vertal locations and directions using notions users Google Maps or similar. * Notification: send email or SMS updates for booking ages, confirmation. * Ensur APIs provide necessary data for pointend 3) Design System Architecture: · How System will work , · Fronted (wessite) * Bruit using Next is to create a user-friendly design.

* It will request data from Sanity CM3 or other APIS. del

· Backend: * Sonity CMS will ston all data, whe can details, were, and beatoning and bearings. · Third - Party APIS: Paymont sources to process money transactions * Mas services to show are locations. · Typical Data Flow: * The user opens the wessite and showers can * The website fetches data from sanity (M3 to show the car list and details. * When the very books a car, the booking is sawd in Sonity CMS via API request. * Payment is processed securely, and the user receives a confurmation email or SMS. · Jeey World flows to include: * We Registration: · user signsup -> Data stoud in Sanity -> Confirmation sent to * Car Blowsing: · User view con categories -> sonity AM fet ones data-> cans displayed

Booking Placement: use adds can to cost - Proximeds to check out -> Booking details sawed in Sonity · Shipment Teaching: Booking states updates fetched his 3rd-party-API -> Displayed to the Wee. 3) Plan API Reguirements · API and points: * End point Nome: I con 4 M ethod: GIET * Description: Felix of available can from sanity. A Response: Conditails (10, name, model, year, price per day, avoilability, image).

* e.g [{"d":1," name": "Toyotta couplle", "model": 2020, "price": 5000; "availibity": "Available, "image": [mage]] End Point Name: /bookings Method: POST * pay load: customer info, an details, booking dates * e & & "cord 10": 1, "use 10": 901, "dualion": "3 days". Price": 15000 3

The state of the s * e.g. 3" "user 10": 101, "booking 10": 301, "amount": 15000]

E transaction 10": 401, "status": "Sucurs"}

* Endpond Name: / locations

Meltod: Get

* Description: Fetaes car rental locations.

* e.g. [{" Location 10": 1, "name": " City Center", "distance":
"(" (")]],

End point Name: / payments

Method: PUST

+ Desciption: Process payment

erg & "used 10": 101, "bolung 1)": 301 "amount": 150003 & transaction 10": 401, "status": "Success";

y Write Technical Documentalien:
. What to include in documentation:

* System Architecture: Create a simple diagram to show how the website, CMS, and APIS work together

work, and example responses.

would flows: Explain how users register, brown cars, book cars, and make a Show there there visually ride augus on flow charles payments & Data Design: · Discribe all data; life case, users, and Rockings.
· Show how they connect (eg care link to bookings through * Plan the Steps: · Step 1: Bull the wessite. · Styp D: Setup data in sanity CMS · step 3: Connect APIs for payment and notifaction · step 4: Testing everything to make sun it rurales.

```
Sanity Schema:
export default {
name: 'car',
type: 'document',
 title: 'Car',
 fields: [
   name: 'name',
   type: 'string',
   title: 'Car Name',
   name: 'brand',
   type: 'string',
   title: 'Brand',
   description: 'Brand of the car (e.g., Nissan, Tesla, etc.)',
   name: 'type',
   type: 'string',
   title: 'Car Type', description: 'Type of the car (e.g., Sport, Sedan, SUV, etc.)',
   name: 'fuelCapacity',
   type: 'string',
title: 'Fuel Capacity',
   description: 'Fuel capacity or battery capacity (e.g., 90L, 100kWh)',
   name: 'transmission',
   type: 'string',
title: 'Transmission',
   description: 'Type of transmission (e.g., Manual, Automatic)',
   name: 'seatingCapacity',
   type: 'string',
title: 'Seating Capacity',
description: 'Number of seats (e.g., 2 People, 4 seats)',
   name: 'pricePerDay',
   type: 'string',
   title: 'Price Per Day',
description: 'Rental price per day',
   name: 'originalPrice',
   type: 'string',
title: 'Original Price',
   description: 'Original price before discount (if applicable)',
   name: 'tags',
   type: 'array',
   title: 'Tags',
   of: [{ type: 'string' }],
   options: {
    layout: 'tags',
   description: 'Tags for categorization (e.g., popular, recommended)',
   name: 'image',
   type: 'image',
   title: 'Car Image',
   options: {
     hotspot: true
```