"DAY 2 ACTIVITIES"

① Define Technical Specs:

- Frontend Requirements:

① I need to make sure that users can search for available cars. They should be able to filter cars by:
- Type - Price's Range - Capacity

② The frontend should completely responsive (Using flexbox & grid system)

③ Important Pages to Include Must:
- Home Page
- Car listing Page (with filtering options)
- Car details Page
- Cart Page
- Check out Page
- Order Confirmation Page (After Payment)
- Delivery Tracking Page (After delivery, user's can track its status)

- Backend Requirements (Sanity CMS):

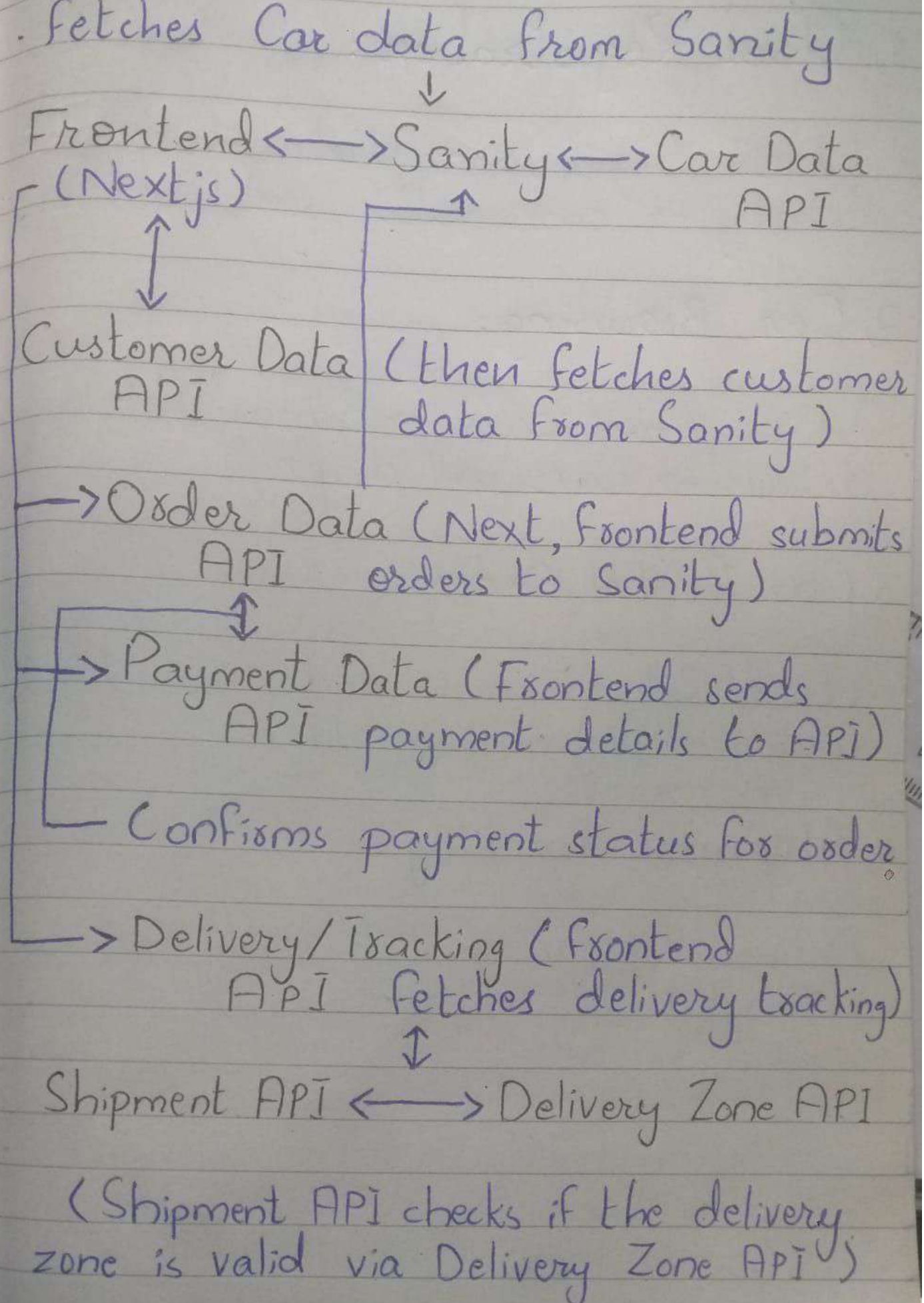
① I've to design six Schemas to handle the data for my marketplace (structure made in day 1)

i- Car Schema: (for Car details)
ii- Customer Schema: (for Customer's details)
iii- Order Schema: (for tracking customer's order with car and customer's info)
iv- Payment Schema: (for payment related details (with stripe))
v- Shipment Schema: (for shipment status of cars)
vi- Delivery zone Schema: (for location of the customer)

- Third Party APIs:

- Stripe's API for testing payments.
- Shipengine API for tracking.
- Car Availability API for real time availabilities of cars

② System Architecture



WORKFLOW

1, User Registration:

- User Signs up -> data stored in Sanity -> confirmation sent to User

2, Car Browsing:

- User views cars -> Sanity fetches details -> Cars will display

3, Car Rental Order:

- User selects car -> order saved in sanity -> payment via API

4, Shipment Tracking:

- Delivery status fetch from API -> displayed on the frontend

③ API Requirements

End point	Method	Purpose
1, /cars	GET	Fetch a list of all available cars
2, /customers/{id}	GET	Fetch details of a specific customer by their Id
3, /orders	POST	Create a new Rental order
4, /shipments/{orderId}	GET	Track the shipment of the specific order
5, /payments	POST	Process a payment for an order
6, /deliveryzones/{zone Id}	GET	Fetch details about a delivery zone