Step 2: Design System Architecture

System Components and Workflow

1. Frontend (Next.js):

- o Displays car details and handles user interactions.
- o Sends and receives data via APIs.

2. Sanity CMS:

- o Stores and retrieves car, user, and booking data.
- o Acts as the backend for content management.

3. Third-Party APIs:

- o Payment Gateway: Processes user payments securely.
- o Geo-location API: Assists in pickup/drop-off point selection.

High-Level Diagram

Key Workflows

1. User Registration:

 User signs up on the frontend -> Data sent to Sanity CMS -> Confirmation shown on the frontend.

2. Car Browsing:

 User browses cars -> Frontend fetches data from Sanity CMS -> Cars displayed dynamically.

3. Order Placement:

User selects a car and provides booking details -> Data sent to Sanity CMS ->
Order saved.

4. Payment:

 User completes payment via Payment Gateway -> Payment status recorded in Sanity CMS.

5. Confirmation:

 Order confirmation details fetched from Sanity CMS -> Displayed on the frontend.