Project Design Phase-II

Data Flow Diagram & User Stories

Date	14 APRIL 2025
Team ID	SWTID1742640402
Project Name	MyRide
Maximum Marks	4 Marks

1. Data Flow Diagram (DFD)

- **External Entities**:
  - Passenger
  - Driver
  - Payment Gateway
  - Admin

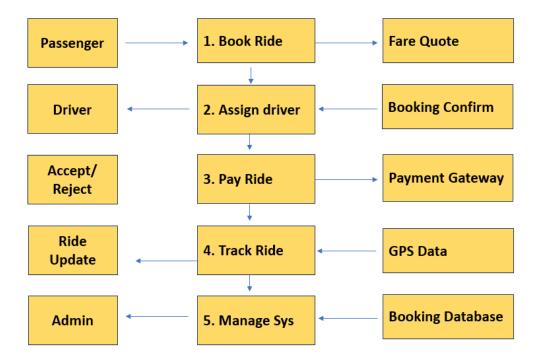- **Core Process**: Cab Booking System

- **Data Flows**:
  - Passenger → Booking request → System
  - System → Driver assignment → Driver
  - System → Payment confirmation → Payment Gateway

- **Processes**:
  1. Book Ride: Passenger submits pickup/destination → System validates → Generates fare estimate.
  2. Assign Driver: System matches nearest driver → Sends notification.
  3. Process Payment: System confirms payment → Updates booking status.
  4. Track Ride: Real-time location sync between Driver ↔ Passenger.

- **Data Stores**:
  - User Database (Passenger/Driver profiles)
  - Booking Database (Ride details)

Passenger	1. Book Ride	Fare Quote
Driver	2. Assign driver	Booking Confirm
Accept/ Reject	3. Pay Ride	Payment Gateway
Ride Update	4. Track Ride	GPS Data
Admin	5. Manage Sys	Booking Database

User Stories :

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Passenger	Registration	USN-1	As a passenger, I can register using my email, phone number, and password.	I receive an OTP/SMS to verify my account and can log in.	High	Sprint 1
Passenger	Registration	USN-2	As a passenger, I can log in via Google/Facebook.	I can access my profile using social auth.	Medium	Sprint 2
Passenger	Booking	USN-3	As a passenger, I can enter pickup/destination locations to get fare estimates.	Fare is calculated based on distance/time.	High	Sprint 1
Passenger	Booking	USN-4	As a passenger, I can schedule rides for future times.	I receive a confirmation with driver ETA.	Medium	Sprint 3
Passenger	Payment	USN-5	As a passenger, I can pay via UPI/card/wallet.	Payment gateway redirects successfully.	High	Sprint 1
Passenger	Safety	USN-6	As a passenger, I can share ride details with emergency contacts.	Contacts receive SMS with live tracking link.	High	Sprint 2
Driver	Registration	USN-7	As a driver, I can register with my license and vehicle details.	Admin approves my profile after verification.	High	Sprint 1