Project Design Phase-II
Data Flow Diagram & User Stories

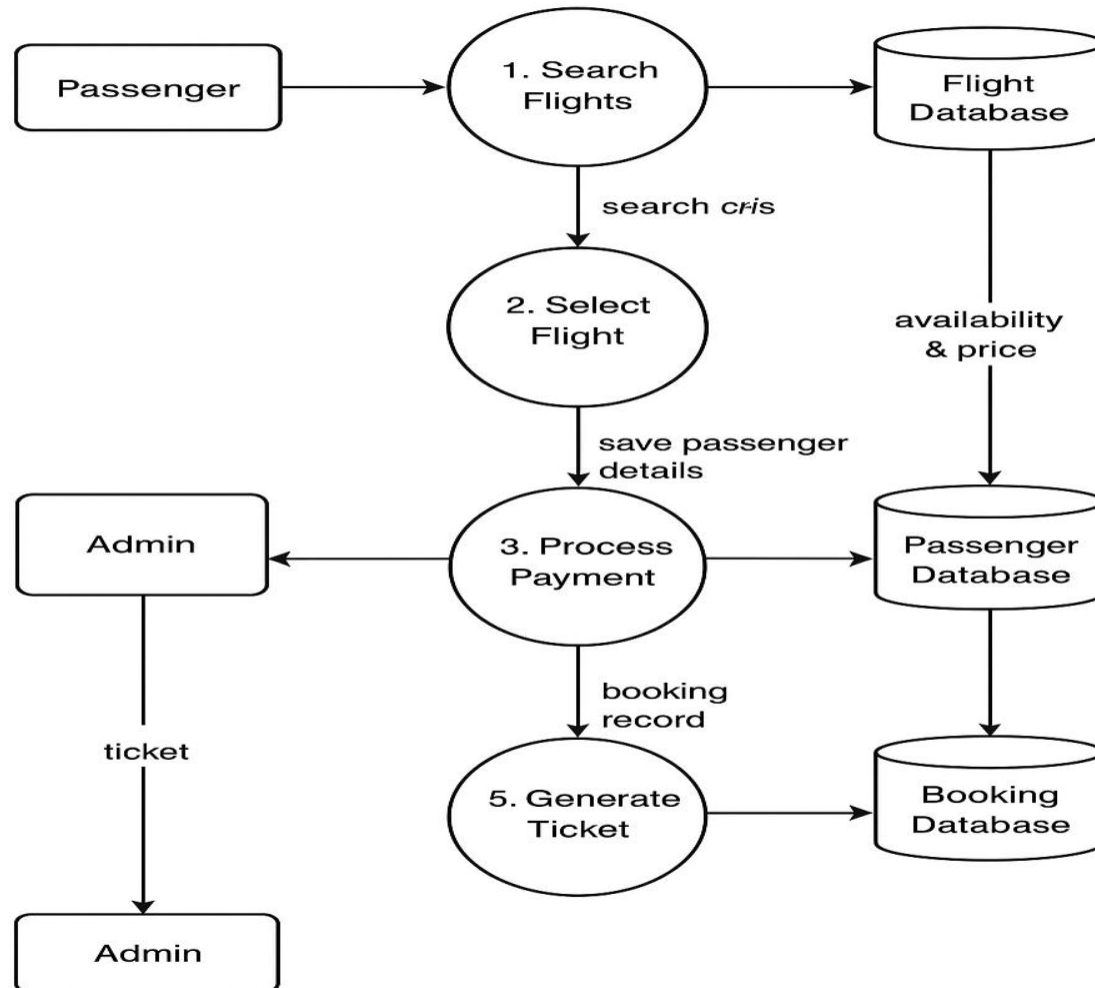| Date	28-11-2025
name	M.sriram
Project Name	Flight Booking System
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) illustrates how data moves within the **Flight Booking System** platform.
It explains how users (Passengers, Admins, and Airlines) interact with the system, how flight information flows between components, and where booking and passenger data are stored.

DFD Level 0 – Flight Booking System

The DFD Level 0 (Diagram) of the Flight Booking System provides a high-level overview of how data flows between the system and its external entities. It represents the entire system as a single unified process and shows how passengers, admins, and airline systems exchange information with it.

DFD Level 0 – Flight Booking

User Stories– Flight Booking System

User Type	Functional Requirement	User Story / Task	Acceptance Criteria	Priority	Release
Passenger	Flight Search	As a passenger, I can search for flights using date, origin, destination, and passenger count.	The system returns accurate flight results matching the search filters.	High	Sprint-1
Passenger	Flight Selection	As a passenger, I can select a flight and view fare, airline, timings, and seat availability.	Selected flight loads correct details and availability.	High	Sprint-1
Passenger	Passenger Details & Seat Selection	As a passenger, I can enter traveler details and choose preferred seats.	Traveler data saved and seat map loads correctly.	Medium	Sprint-2
Passenger	Booking & Payment	As a passenger, I can make a secure online payment to confirm the booking.	Payment successfully and PNR/ticket generated.	High	Sprint-2
Passenger	Booking History	As a passenger, I can view all my previous bookings.	Booking history displays correct past ticket data.	Low	Sprint-3
Admin	Flight Management	As an admin, I can add, edit, or remove flight schedules, pricing, and availability.	Updates reflect instantly across the system.	High	Sprint-1
Admin	Booking Monitoring	As an admin, I can view all bookings made by passengers.	Admin dashboard displays complete and accurate booking data.	Medium	Sprint-2
Admin	User Management	As an admin, I can manage passenger accounts and resolve issues.	User profiles updated and issued logs recorded successfully.	Medium	Sprint-3
Airline System	Real-time Flight Info	As an airline system, I can provide availability, fare, and schedule information to the platform.	The platform receives accurate real-time flight and fare data.	High	Sprint-1