Requirement Analysis

Data Flow Diagrams & User Stories

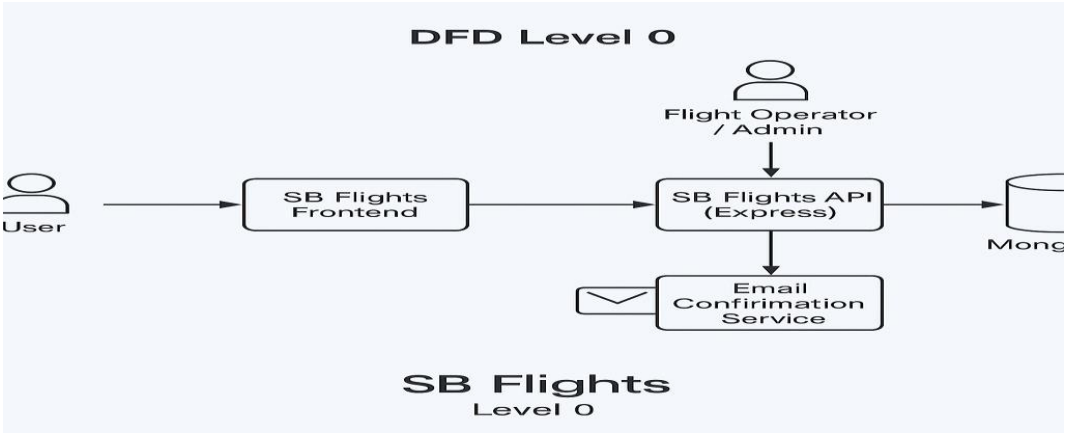
Date	26 June 2025
Team id	LTVIP2025TMID20321
Project Name	Flight Finder
Maximum Marks	2 Marks

Context Level DFD (0-Level):

[User] → [SB Flights Frontend] ↔ [SB Flights API (Express)] ↔ [MongoDB]

↑ ↓

[Flight Operator / Admin] [Email Confirmation Service]



User Stories:

User Type	Functional Requirement	User Story	Acceptance Criteria	Priority	Release
User	Registration	As a user, I want to register using email and password	Account is created and user is redirected to login	High	Sprint-1
User	Search Flights	As a user, I want to search flights by source, destination, and date	Relevant flights are shown if all fields are filled	High	Sprint-1
User	Booking	As a user, I want to book a flight and see confirmation	Booking saved, confirmation shown	High	Sprint-1
Admin	Approve Operator	As an admin, I want to approve flight operators	Approved users can add flights	Medium	Sprint-2
Operator	Add Flight	As a flight operator, I want to add flights with time, price, seats	Flights visible in search	High	Sprint-2