

## Project Design Phase Solution Architecture

Date	19 June 2025
Team ID	LTVIP2025TMID59716
Project Name	Flight Finder
Maximum Marks	4 Marks

### Solution Architecture:

Flight Finder system is to develop a user-friendly, secure, and scalable platform that allows customers to search, filter, and book flights easily. This system serves as a bridge between airline inventory systems and customers by providing a seamless experience for browsing available flights, making reservations, and managing bookings.

- Enables users to search for flights by specifying source, destination, travel dates, and other preferences.
- Allows filtering and sorting of search results based on price, duration, stops, and airlines.
- Facilitates quick booking by collecting passenger details and processing payments securely.
- Administrators can manage flight inventory, schedules, and monitor overall system usage.

### Example - Solution Architecture Diagram:

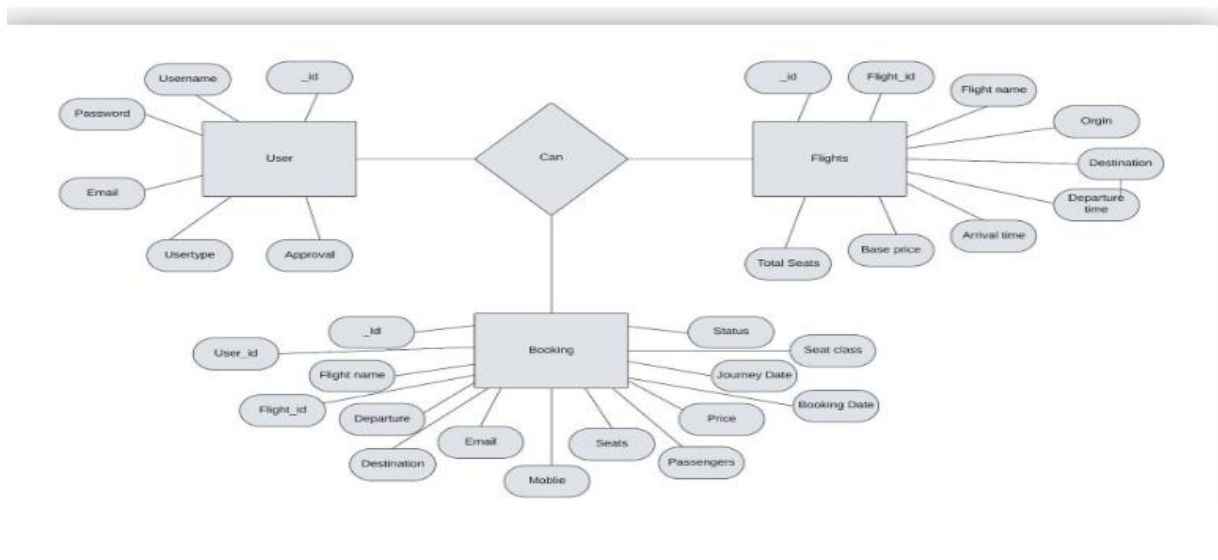


Figure 1: Architecture and data flow of the Flight Finder