Project Proposal

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Mock World Scenario

FlightFinder is currently building a comprehensive flight tracking system for traveling between cities in the United States. To facilitate efficient flight fetching and price finding, the country requires a database which can find different airplanes, passengers, and route schedules to and from different airports.

Entities

Entities	Attributes
Airports	● Airport Code ID ● Name ● Address ○ State ○ City
Airplanes	● Airplane Type ID ● Airline ● Number of Business Class seats ○ Available Business Class seats ○ Total Business Class seats ● Number of First Class Seats ○ Available First Class seats ○ Total FirstClass seats ● Number of Main Cabin/Economy Seats ○ Available Main Cabin/Economy seats ○ Total Main Cabin/Economy Class seats
Air Routes	● Route ID ● Distance ● Time ● Cost of Flight ● Airports
Schedule	● Route ID ● Airplane Type ID

Relationships

- Schedule - Airplane
- Schedule - Air Routes
- Schedule - Airports
- Air Routes - Airports
- Air Route - Airport (one for start and end, as it is one to many)