

# CIS 321 PROJECT MILESTONE (1): Project Proposal & ER-Diagram

Project Group Number (in Blackboard): Group (2).

**Section Number**: Group 6

**Project Title: Airport Database** 

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**Obtained Marks**: /5



## **Project Proposal (1 mark)**

**Description**: Airlines database system flights management system where you can manage domestic and international flights and other users can book flight tickets **Entities:** 

- Airline
- Airplane
- Passenger
- Pilot
- Crew Member
- Flight
- Boarding Pass
- Ticket

### **Systems Users (Actors):**

	User Role	Privileges
1	Admin	Manage flights, create and update flights
2	User	Book flight tickets and view the flights



## **ER-Diagram (4 marks)**

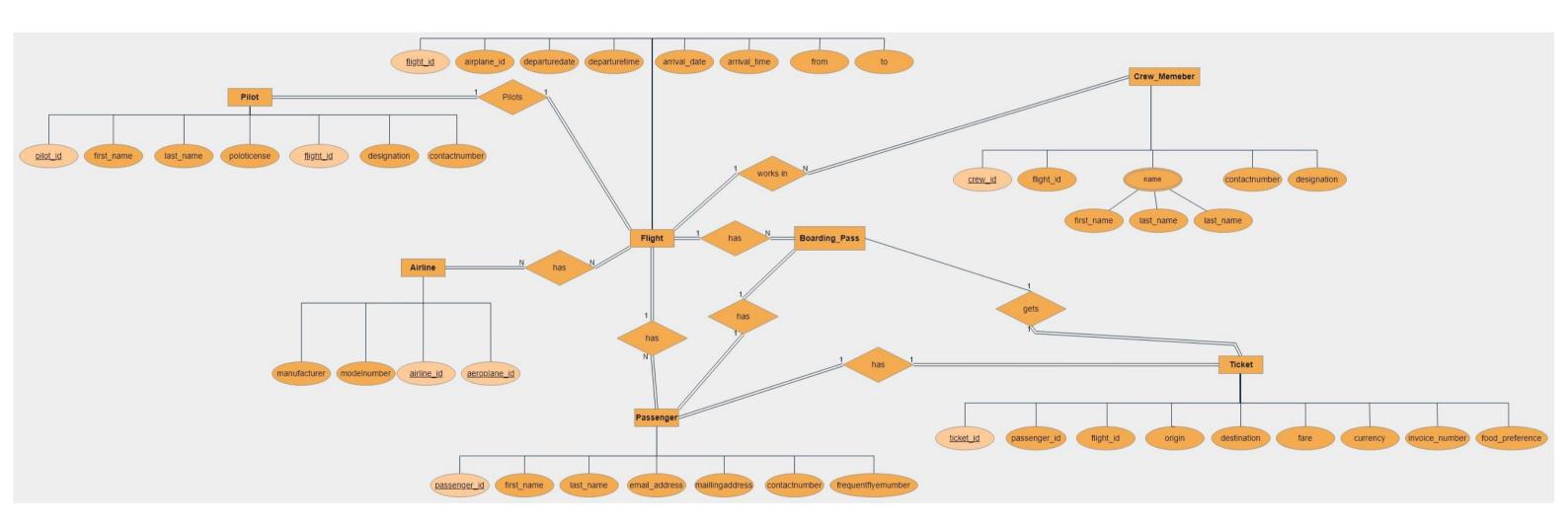
### **System Requirements & Relationship between entities:**

#### Airlines database system flights is organized into:

**Flights** are the main entity that most other entities are related to it. Each flight belongs to an airline. Each flight gets piloted by a pilot. Each flight has many crew members. Each flight has many passengers and boarding passes. Boarding passes are printed and derived from tickets. Each entity has its own suitable attributes such as, destination, origin, entity IDs, names.



## ER Diagram:



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