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

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

**Section Number**: Group 6 **Project Title: Airport Database**

|  |  |  |
| --- | --- | --- |
| **Leader** | **ID** | **Member Name** |
|  | 2200005672 | Abdulrhman Sami Aljuhani |
| **✅** | 2200000138 | Faisal Abduljalil Bakhurji |
|  | 2200003852 | Rakan ahmed alyaqout |
|  | 2200004948 | Majid Saleh Al-Raimi |
|  | 2200001951 | Alwaleed Ahmed Al-Qurashi |
|  | 2200000031 | Abdullah Mukhlef Alshammari |

**Instructor Name**: Hussain Talal AlAttas

**Date of Submission:** 2/26/2022

**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):**

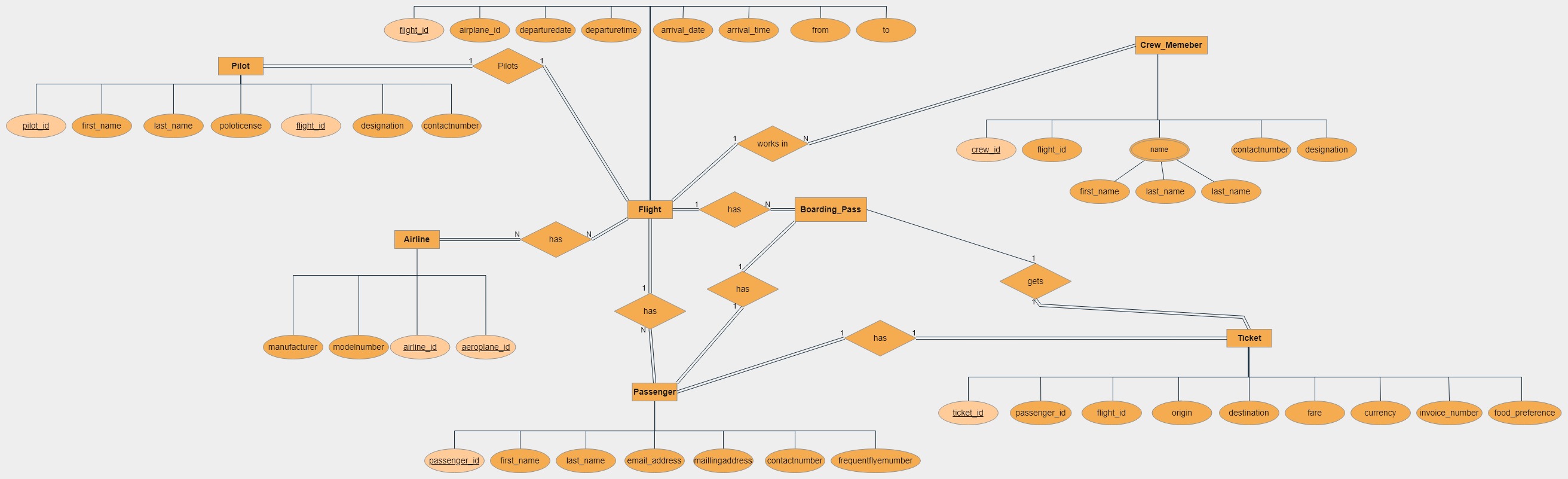
|  |  |  |
| --- | --- | --- |
|  | User Role | Privileges |
| 1 | Admin | Manage flights, create and update flights |
| 2 | User | Book flight tickets and view the flights |

**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:**

**Instructor(s) Approval**: Approved Not Approved *(needs to be changed)*

**Feedback Comments:**