Flight Monitor

Team7   Milestone 2

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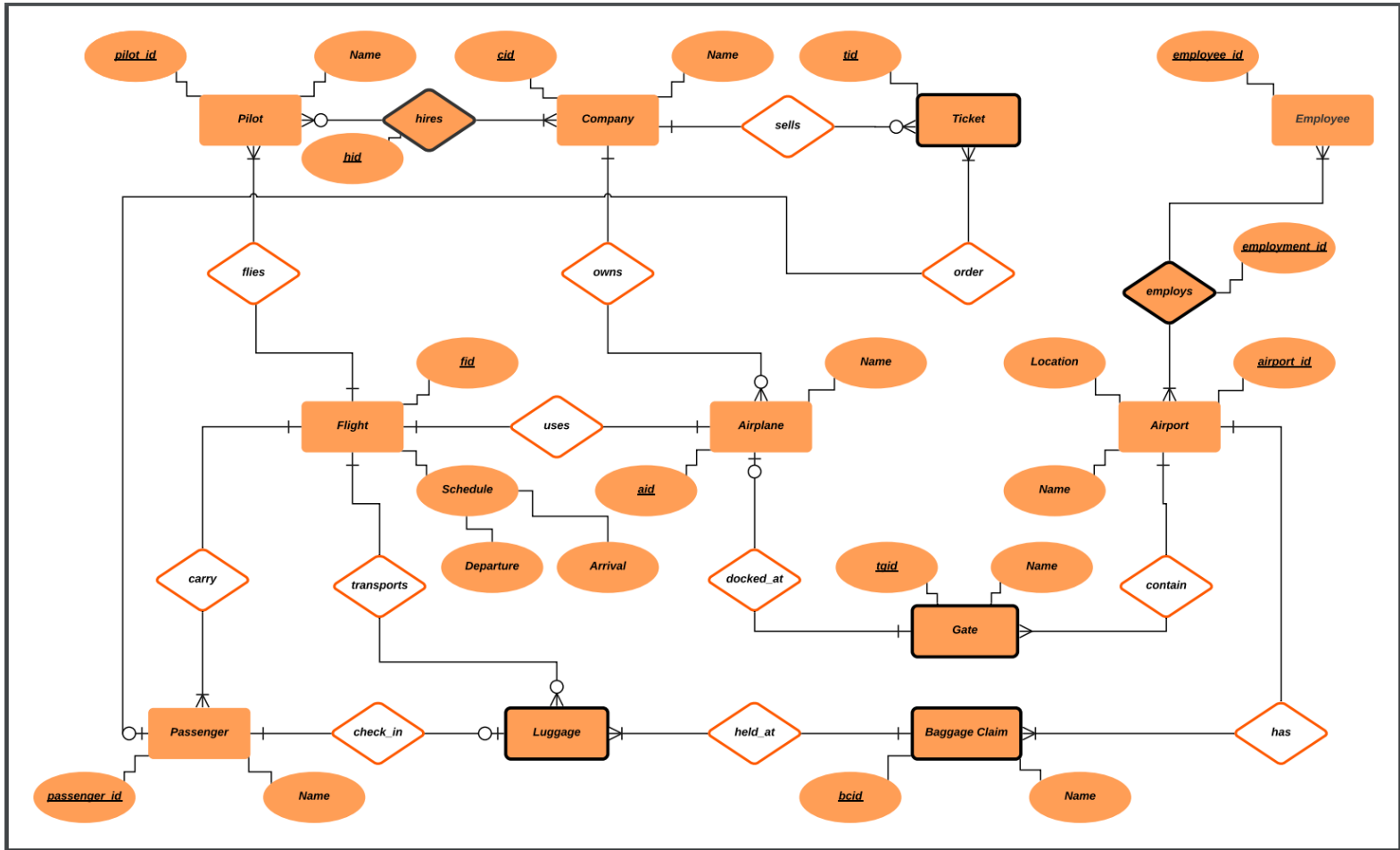Jimmy Kwan (Back-end) - jkwan3@mail.sfsf.edu
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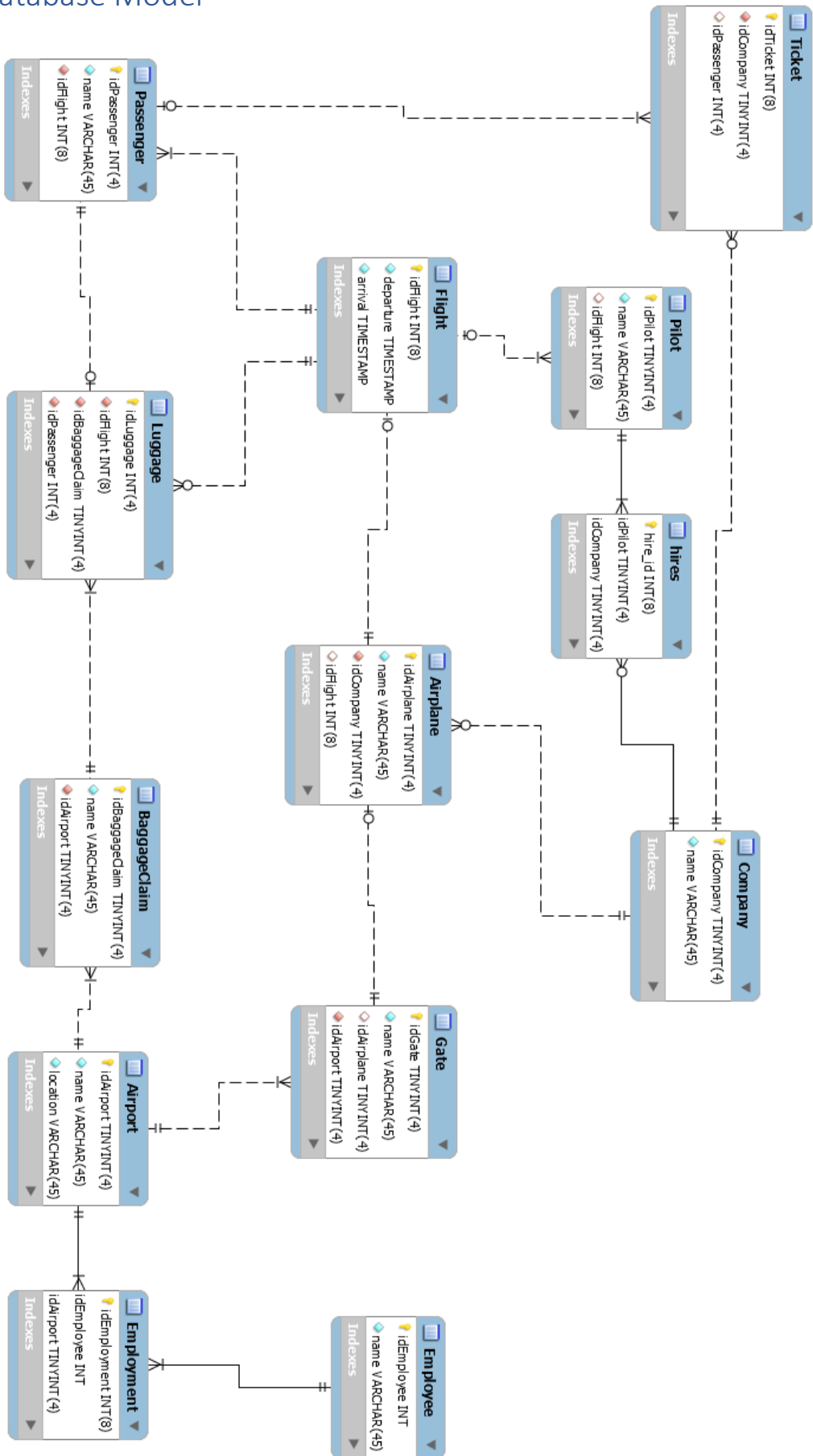Jason Wei (Front-end) - zwei@mail.sfsu.edu
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1. ERD

2. Database Model

Ticket
- idTicket INT (8)
- idCompany TINYINT (4)
- idPassenger INT (4)
- Indexes

Passenger
- idPassenger INT (4)
- name VARCHAR (45)
- idFlight INT (8)
- Indexes

Flight
- idFlight INT (8)
- departure TIMESTAMP
- arrival TIMESTAMP
- Indexes

Pilot
- idPilot TINYINT (4)
- name VARCHAR (45)
- idFlight INT (8)
- Indexes

Luggage
- idLuggage INT (4)
- idFlight INT (8)
- idBaggageClaim TINYINT (4)
- idPassenger INT (4)
- Indexes

Airplane
- idAirplane TINYINT (4)
- name VARCHAR (45)
- idCompany TINYINT (4)
- idFlight INT (8)
- Indexes

hires
- hire_id INT (8)
- idPilot TINYINT (4)
- idCompany TINYINT (4)
- Indexes

Company
- idCompany TINYINT (4)
- name VARCHAR (45)
- Indexes

BaggageClaim
- idBaggageClaim TINYINT (4)
- name VARCHAR (45)
- idAirport TINYINT (4)
- Indexes

Gate
- idGate TINYINT (4)
- name VARCHAR (45)
- idAirplane TINYINT (4)
- idAirport TINYINT (4)
- Indexes

Airport
- idAirport TINYINT (4)
- name VARCHAR (45)
- location VARCHAR (45)
- Indexes

Employment
- idEmployment INT (8)
- idAirport TINYINT (4)
- idEmployee INT
- Indexes

Employee
- idEmployee INT
- name VARCHAR (45)
- Indexes

5. Database Model Test

Test #	Test Type	Entity1	Relationship	Type Rel	Entity2	Pass/Fail
1	Delete	Flight				Pass
2	Delete	Passenger				Pass
3	Delete	Airport				Pass
4	Delete	BaggageClaim				Pass
5	Delete	Pilot				Pass
6	Delete	Company				Pass
7	Delete	Airplane				Pass
8	Delete	Employee				Pass
9	Select	Airport	Contain	1 to M	Gate	Pass
10	Select	Passenger	Carry	M to 1	Flight	Pass
11	Select	Employment		M to M		Pass
12	Update	Airport		1 to M		Pass
13	Update	Passenger		M to 1		Pass
14	Update	Employment		M to M		Pass

6. Work Done by Members

Work done by each team member. Enumerated on a scale from 1-10.

Note: Nearly all the work for this milestone was done as a single group so everyone was given the same score.

1. Piero (Team Lead) - 8
   - Helped create DBM
   - Helped test SQL Scripts
2. Jason - 8
   - Helped create DBM
   - Helped test SQL Scripts
3. Jimmy - 8
   - Wrote SQL Scripts
   - Helped test SQL Scripts
4. Chinmay - 8
   - Helped create DBM
   - Helped test SQL Scripts
5. Navneet - 8
   - Helped create DBM
   - Helped test SQL Scripts
6. Pratik - 8
   - Helped create DBM
   - Helped test SQL Scripts