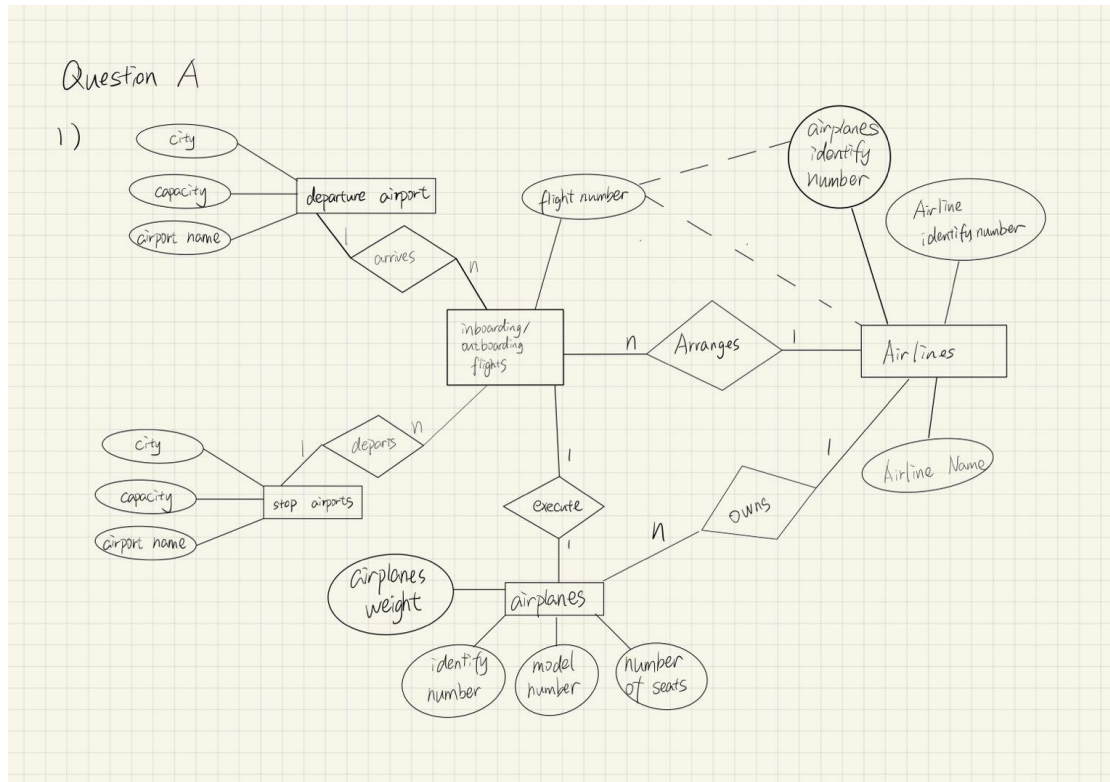


COMP2411 Assignment 1

Student Name: ZHOU Siyu

Question A

1)



2)

Departure_Airport(City, Capacity, Airport_Name, Airport_ID)

Arrive_Airport(City, Capacity, Airport_Name, Airport_ID)

Airplane(Airplane_ID, Model_num, Seat_Number, Airplane_Weight)

Inboarding/outboarding flights(Inboarding_Or_Outboarding, Departure_Airport_ID, Departure_Airport_Name, Arrive_Airport_ID, Flight_Number)

Airline(Airline_Name, Airline_ID, Airplanes_ID, Flight_ID)

Question B

```
1) SELECT *
FROM STAFF
WHERE GENDER = 'FEMALE'
AND (SALARY < 5000
OR SALARY > 30000);
```

- 2)

```
SELECT STAFF_NAME
FROM STAFF
WHERE NOT (DEPARTMENT != 'ACCOUITING'
OR DEPARTMENT != 'HISTORY');
```
- 3)

```
SELECT STUDENT_NAME
FROM STUDENT
WHERE STUDENT_NAME LIKE '%JONES%';

SELECT STUDENT_NAME
FROM STUDENT
ORDER BY GENDER, BIRTHDATE ASC;
```
- 4)

```
SELECT COURSE_TITILE
FROM COURSE
WHERE STAFF_ID =
(SELECT STAFF_ID
FROM STAFF
WHERE STAFF_NAME = RAYMOND J. JOHNSON);
```
- 5)

```
SELECT STAFF_NAME
FROM STAFF
WHERE SALARY >
(SELECT SALARY
FROM STAFF
WHERE STAFF_ID = (SELECT STAFF_ID
FROM STAFF
WHERE STAFF ID = BOSS_ID) );
```
- 6)

```
SELECT STAFF_NAME
FROM STAFF
WHERE DEPARTMENT =
(SELECT DEPARTMENT
FROM STAFF
WHERE STAFF_NAME = 'AMY DANCER'
OR STAFF_NAME = 'JACK NELSON');
```
- 7)

```
SELECT STAFF_NAME
FROM STAFF
```

```
WHERE SALARY >
(SELECT MAX(SALARY)
FROM STAFF
WHERE DEPARTMENT = 'ACCOUNTING');
```

```
8) SELECT AVG(SALARY)
FROM STAFF
GROUP BY DEPARTMENT
HAVING COUNT(SELECT STAFF_NAME
FROM STAFF
WHERE AVG(SALARY) > SALARY) > 3
```