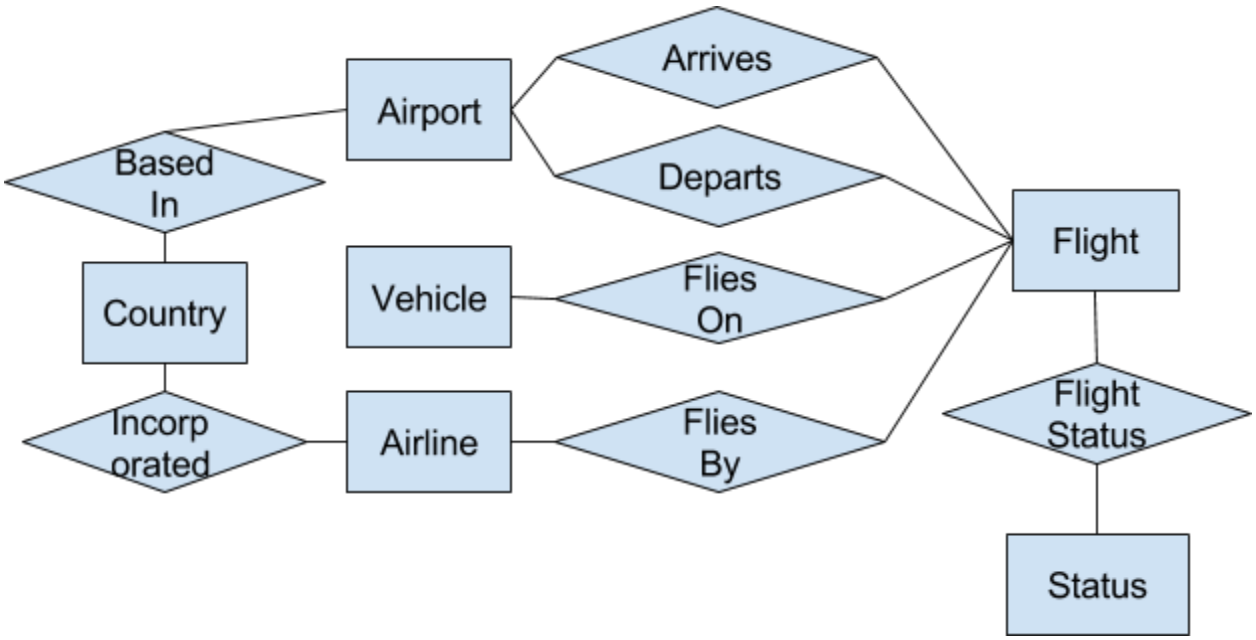
Project 2

ER Diagram and Relational Schema: Produce an ER diagram for your domain, and its translation into a relational schema. You should aim for a database with 6–10 tables. You should also submit evidence that you have created at least one table from your schema and populated it with at least one row.

1. Airports (AirportId, Name, City, CountryId, Alias, Latitude, Longitude, Altitude, TimeZone)
2. Airline (AirlineId, Name, Alias, CountryId)
3. Country (CountryId, Name)
4. Flight (FlightId, FlightNo, AirlineId, FromAirportId, ToAirportId, NumOfStops, *WeekDays*, *DepartureTime*, *ArrivalTime*, *Distance*, *Duration*)
5. FliesOn(FlightAirVehicleId, FlightId, PlaneId)
6. AirVehicle (PlaneId, TypeNum)
7. FlightStatus (FlightStatusId, FlightId, StatusId, *OptionalNote*, *DepartureDateTime*, *ArrivingDateTime*, *InsertTime*)
8. Status(StatusId, *description*)



For now, we created the “Airline” table and using PHP, we populated it with “10 rows" of data from our data source(http://openflights.org/data.html).
The PHP output can be viewed here: http://web.cecs.pdx.edu/~crd3/fetchAirline.php

```
w16adb6=> SELECT * FROM Airline;
 airlineid |                    name                    | alias | countryid
-----------+--------------------------------------------+-------+-----------
         1 | Private flight                             | N/A   |
         2 | 135 Airways                                | GNL   |         1
         3 | 1Time Airline                              | RNX   |         2
         4 | 2 Sqn No 1 Elementary Flying Training School | WYT   |         3
         5 | 213 Flight Unit                            | TFU   |         4
         6 | 223 Flight Unit State Airline              | CHD   |         4
         7 | 224th Flight Unit                          | TTF   |         4
         8 | 247 Jet Ltd                                | TWF   |         3
         9 | 3D Aviation                                | SEC   |         1
        10 | 40-Mile Air                                | MLA   |         1
(10 rows)

w16adb6=>
```

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web.cecs.pdx.edu/~crd3/f

web.cecs.pdx.edu/~crd3/fetchAirline.php

10 rows returned
AirlineId: 1
Name: Private flight
Alias: N/A
CountryId:

AirlineId: 2
Name: 135 Airways
Alias: GNL
CountryId: 1

AirlineId: 3
Name: 1Time Airline
Alias: RNX
CountryId: 2

AirlineId: 4
Name: 2 Sqn No 1 Elementary Flying Training School
Alias: WYT
CountryId: 3

AirlineId: 5
Name: 213 Flight Unit
Alias: TFU
CountryId: 4

AirlineId: 6
Name: 223 Flight Unit State Airline
Alias: CHD
CountryId: 4

AirlineId: 7
Name: 224th Flight Unit
Alias: TTF
CountryId: 4