List of entities with their attributes

Passenger table

ssn
phonenumber
email
occupation
marital status
passengerID
gender
dataofbirth
address
fullname

Flymore card table

issue date
cardid
cardstatus
expiraton
passengerID

Flight table

flightnumber
arrivaldate
flightstatus
arrivaltime
departuretime
departuredate
departureID
arrivaleID

Trip table

tripID
flightnumber
distancemph
departuretime
arrivaltime
flightstatus
arrivaldate
departuredate

Promotion table

fullname
occupation
mileagefactor
endingdate
startingdate
promotionID

Award table

discount
expiraton
cashreward
mileagepoints
fullname
awardID
awarddescription

Exchange-center table

workinghours
email
phonenumber
exchange-centerID
fullname
address

Employee table

email
address
startdate
position
occupation
fullname
employeeID
phonenumber
department

Login table

logintime
logoutdate
logouttime
login-accountstatus
password
username

passengerID
loginID
logindate

Discount table

endingdate
startingdate
validstates
percentage
discountID

Mileage table

promotionID
points
endingdate
tripID
startingdate
distancemph
passengerID
flightnumber

Redemption table

passengerID
totalamount
redemptionID
endingdate
awardID
startingdate

Country table

countryID
name
currencytype

Airport table

airportID
name
address

Transaction table

transactionID
passengerID

cardtype
transactiondate
totalamount
paymentmethod
transactiontype

convert raw tables into oracle table and then feeds into SQL developer
tool to generate final ER diagram

Generated oracle equivalent tables

```
CREATE TABLE AIRLINES.PASSENGER (
    PASSENGER_ID NUMBER PRIMARY KEY,
    SSN VARCHAR2(20),
    PHONE_NUMBER VARCHAR2(20),
    EMAIL VARCHAR2(50),
    OCCUPATION VARCHAR2(50),
    MARITAL_STATUS VARCHAR2(20),
    GENDER VARCHAR2(10),
    DATE_OF_BIRTH DATE,
    ADDRESS VARCHAR2(100),
    FULL_NAME VARCHAR2(50)
);

CREATE TABLE AIRLINES.FLYMORE_CARD (
    CARD_ID NUMBER PRIMARY KEY,
    ISSUE_DATE DATE,
    CARD_STATUS VARCHAR2(20),
    EXPIRATION_DATE DATE,
    PASSENGER_ID NUMBER REFERENCES AIRLINES.PASSENGER(PASSENGER_ID)
);

CREATE TABLE AIRLINES.FLIGHT (
    FLIGHT_NUMBER VARCHAR2(20) PRIMARY KEY,
    ARRIVAL_DATE DATE,
    FLIGHT_STATUS VARCHAR2(20),
    ARRIVAL_TIME VARCHAR2(10),
    DEPARTURE_TIME VARCHAR2(10),
    DEPARTURE_DATE DATE,
    DEPARTURE_ID NUMBER,
    ARRIVAL_ID NUMBER
);

CREATE TABLE AIRLINES.TRIP (
    TRIP_ID NUMBER PRIMARY KEY,
    FLIGHT_NUMBER VARCHAR2(20) REFERENCES AIRLINES.FLIGHT(FLIGHT_NUMBER),
    DISTANCE_MPH NUMBER,
    DEPARTURE_TIME VARCHAR2(10),
    ARRIVAL_TIME VARCHAR2(10),
    FLIGHT_STATUS VARCHAR2(20),
    ARRIVAL_DATE DATE,
    DEPARTURE_DATE DATE
);
```

```sql
CREATE TABLE AIRLINES.PROMOTION (
    PROMOTION_ID NUMBER PRIMARY KEY,
    FULL_NAME VARCHAR2(50),
    OCCUPATION VARCHAR2(50),
    MILEAGE_FACTOR NUMBER,
    ENDING_DATE DATE,
    STARTING_DATE DATE
);

CREATE TABLE AIRLINES.AWARD (
    AWARD_ID NUMBER PRIMARY KEY,
    DISCOUNT NUMBER,
    EXPIRATION_DATE DATE,
    CASH_REWARD NUMBER,
    MILEAGE_POINTS NUMBER,
    FULL_NAME VARCHAR2(50),
    AWARD_DESCRIPTION VARCHAR2(100)
);

CREATE TABLE AIRLINES.EXCHANGE_CENTER (
    EXCHANGE_CENTER_ID NUMBER PRIMARY KEY,
    WORKING_HOURS VARCHAR2(50),
    EMAIL VARCHAR2(50),
    PHONE_NUMBER VARCHAR2(20),
    FULL_NAME VARCHAR2(50),
    ADDRESS VARCHAR2(100)
);

CREATE TABLE AIRLINES.EMPLOYEE (
    EMPLOYEE_ID NUMBER PRIMARY KEY,
    EMAIL VARCHAR2(50),
    ADDRESS VARCHAR2(100),
    START_DATE DATE,
    POSITION VARCHAR2(50),
    OCCUPATION VARCHAR2(50),
    FULL_NAME VARCHAR2(50),
    PHONE_NUMBER VARCHAR2(20),
    DEPARTMENT VARCHAR2(50)
);

CREATE TABLE AIRLINES.LOGIN (
    LOGIN_ID NUMBER PRIMARY KEY,
    LOGIN_TIME TIMESTAMP,
    LOGOUT_DATE DATE,
    LOGOUT_TIME TIMESTAMP,
    ACCOUNT_STATUS VARCHAR2(20),
    PASSWORD VARCHAR2(50),
    USERNAME VARCHAR2(50),
    PASSENGER_ID NUMBER REFERENCES AIRLINES.PASSENGER(PASSENGER_ID),
    LOGIN_DATE DATE
);

CREATE TABLE AIRLINES.DISCOUNT (
    DISCOUNT_ID NUMBER PRIMARY KEY,
```

```sql
    ENDING_DATE DATE,
    STARTING_DATE DATE,
    VALID_STATES VARCHAR2(100),
    PERCENTAGE NUMBER
);

CREATE TABLE AIRLINES.MILEAGE (
    MILEAGE_ID NUMBER PRIMARY KEY,
    PROMOTION_ID NUMBER REFERENCES AIRLINES.PROMOTION(PROMOTION_ID),
    POINTS NUMBER,
    ENDING_DATE DATE,
    TRIP_ID NUMBER REFERENCES AIRLINES.TRIP(TRIP_ID),
    STARTING_DATE DATE,
    DISTANCE_MPH NUMBER,
    PASSENGER_ID NUMBER REFERENCES AIRLINES.PASSENGER(PASSENGER_ID),
    FLIGHT_NUMBER VARCHAR2(20) REFERENCES AIRLINES.FLIGHT(FLIGHT_NUMBER)
);

CREATE TABLE AIRLINES.REDEMPTION (
    REDEMPTION_ID NUMBER PRIMARY KEY,
    PASSENGER_ID NUMBER REFERENCES AIRLINES.PASSENGER(PASSENGER_ID),
    TOTAL_AMOUNT NUMBER,
    ENDING_DATE DATE,
    AWARD_ID NUMBER REFERENCES AIRLINES.AWARD(AWARD_ID),
    STARTING_DATE DATE
);

CREATE TABLE AIRLINES.COUNTRY (
    COUNTRY_ID NUMBER PRIMARY KEY,
    NAME VARCHAR2(50),
    CURRENCY_TYPE VARCHAR2(20)
);

CREATE TABLE AIRLINES.AIRPORT (
    AIRPORT_ID NUMBER PRIMARY KEY,
    NAME VARCHAR2(50),
    ADDRESS VARCHAR2(100)
);

CREATE TABLE AIRLINES.TRANSACTION (
    TRANSACTION_ID NUMBER PRIMARY KEY,
    PASSENGER_ID NUMBER REFERENCES AIRLINES.PASSENGER(PASSENGER_ID),
    CARD_TYPE VARCHAR2(50),
    TRANSACTION_DATE DATE,
    TOTAL_AMOUNT NUMBER,
    PAYMENT_METHOD VARCHAR2(50),
    TRANSACTION_TYPE VARCHAR2(50)
);
```