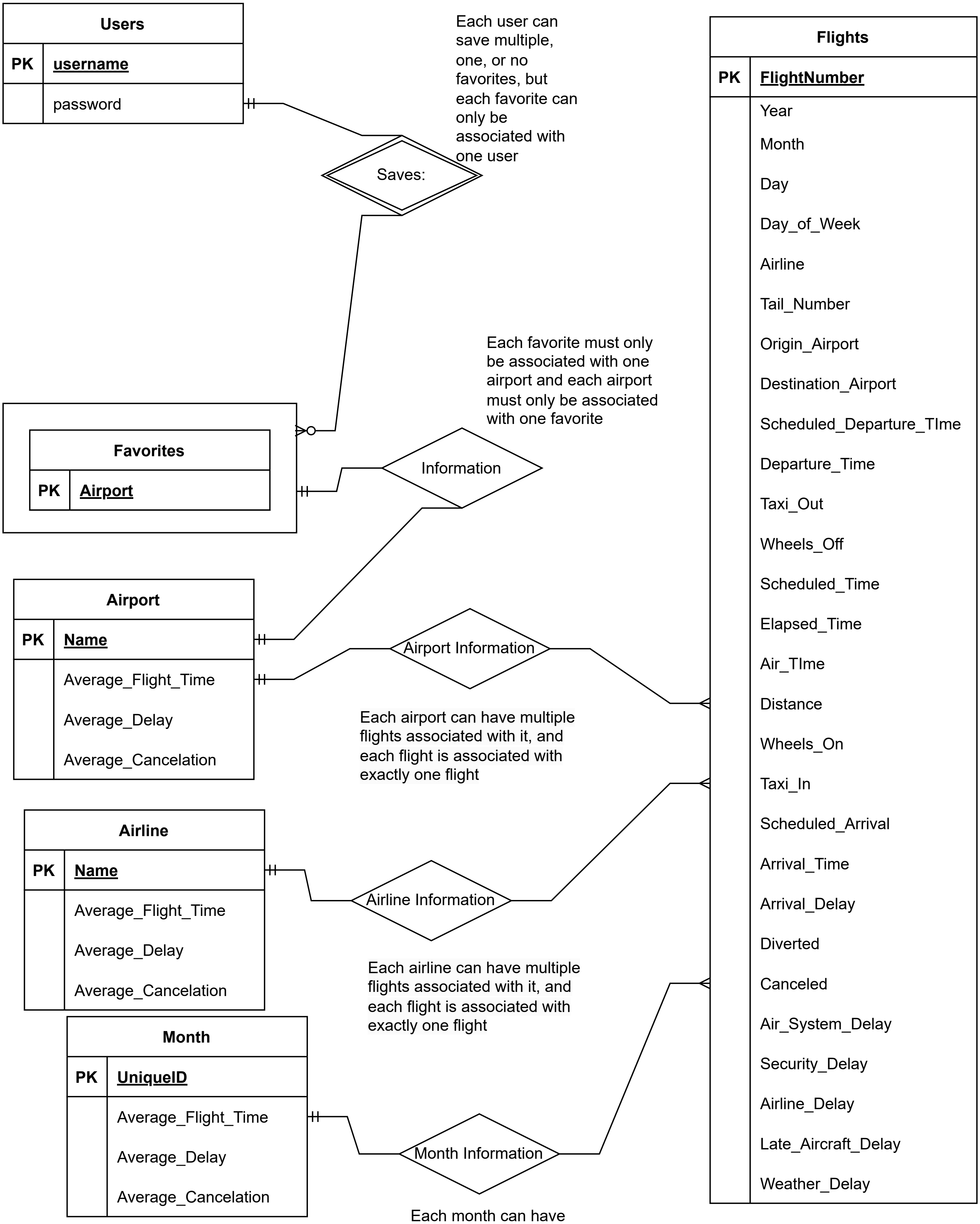
Users
PK
username
password
Saves:
Favorites
PK
Airport
Information
Airport
PK
Name
Average_Flight_Time
Average_Delay
Average_Cancelation
Airport Information
Airline
PK
Name
Average_Flight_Time
Average_Delay
Average_Cancelation
Airline Information
Month
PK
UniqueID
Average_Flight_Time
Average_Delay
Average_Cancelation
Month Information
Flights
PK
FlightNumber
Year
Month
Day
Day_of_Week
Airline
Tail_Number
Origin_Airport
Destination_Airport
Scheduled_Departure_TIme
Departure_Time
Taxi_Out
Wheels_Off
Scheduled_Time
Elapsed_Time
Air_TIme
Distance
Wheels_On
Taxi_In
Scheduled_Arrival
Arrival_Time
Arrival_Delay
Diverted
Canceled
Air_System_Delay
Security_Delay
Airline_Delay
Late_Aircraft_Delay
Weather_Delay

Each user can save multiple, one, or no favorites, but each favorite can only be associated with one user

Each favorite must only be associated with one airport and each airport must only be associated with one favorite

Each airport can have multiple flights associated with it, and each flight is associated with exactly one flight

Each airline can have multiple flights associated with it, and each flight is associated with exactly one flight

Each month can have multiple flights associated with it, and each flight is associated with exactly one flight

Assumption:

- Each airport has at least one flight associated with it
- Each Airline has at least one airline associated with it
- A user can have 0 or many saved favorite airports

Users(**username VARCHAR(20),**
Password **VARCHAR(8)**,)

Favorites(**Id INT**,
Airport **VARCHAR(200)**,
Username **VARCHAR(20)**)

Airport(**name VARCHAR(200)**,
Average_flight_time **DATE**,
Average_delay **INT**,
Average_cancelation **DATE**)

Airline(**name VARCHAR(200)**,
Average_flight_time **DATE**,
Average_delay **INT**,
average _cancelation **INT**)

Flights(**FlightNumber INT**,
Year **INT**,
Month **VARCHAR(200)**,
Day **INT** ,
Day_of_week **INT** ,
Airline **VARCHAR(200)**,
Tail_Number **INT**,
Origin_Airport **VARCHAR(200)**,
Destination_Airport **VARCHAR(200)**,
Scheduled_Depature_Time **DATE**,
Departure_Time **DATE**,
Taxi_Out **INT**,
Distance **INT**,
Departure_Time **DATE**,
Airline_Delay **INT**,
Weather_Delay **INT**)

Month(id : **INT,**
Average_Flight_Time **INT,**
Average_Delay **INT,**
Average_Cancelation **INT**
)