**CS:4400 Logical Design**

**Team #5**

|  |  |
| --- | --- |
| Address (AddressID, Street, City, Zipcode, State, Country)  **Primary key** AddressID | Flights (FlightID, AircraftID, RouteID, ScheduleID, FareID, DepartTime, FlightStatus)  **Primary key** FlightID  **Foreign key** AircraftID references Aircrafts(AircraftID), RouteID references Route(RouteID), ScheduleID references Schedule(ScheduleID), FareID references Fares(FareID) |
| Login (UserID, Username, Password, Email, SecurityQuestionID, SecurityAnswer)  **Primary key** Username  **Foreign key** UserID references Users(UserID), SecurtiyQuestionID references SecurityQuestion(SecurityQuestionID) | Schedule (ScheduleID, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday)  **Primary key** ScheduleID |
| SecurityQuestion (SecurityQuestionID, SecurityQuestion)  **Primary key** SecurityQuestionID | Route (RouteID, From, To, Duration)  **Primary key** RouteID  **Foreign key** From references Route(From), To references Route(To) |
| Aircrafts (AircraftID, EconomySeats, FirstClassSeats)  **Primary key** AircraftID |
| Users (UserID, Title, FirstName, MiddleName, LastName, PreferredName, Sex, DOB, AddressID, Phone)  **Primary key** UserID  **Foreign key** AddressID references Address(AddressID) |
| Airports (Code, Name, City, State, Country)  **Primary key** Code  Admin (Username, Password)  **Primary key** Username |
| Payments (UserID, CardNumber, CardType, ExpirationDateMonth, ExpirationDateYear, CVV, Name)  **Primary key** CardNumber  **Foreign key** UserID references Users(UserID) |
| News (Headline, Date, Picture, Content) |
| HawkAdvantage (UserID, Miles)  **Foreign key** UserID references Users(UserID) |
| Multiple Bookings (BookingID, Passenger, Class, SeatNumber)  **Foreign key** BookingID references Bookings(BookingID) | ContactUs (Phone, Email, Company, Street, City, State, ZipCode, Country) |
| Fares (FareID, PriceEconomy, PriceFirstClass)  **Primary key** FareID |
|
| Bookings (BookingID, UserID, FlightID, FlightDate)  **Primary key** BookingID  **Foreign key** UserID references Users(UserID), FlightID references Flights(FlightID) |