# Hotel, Flight and Holidays Booking Website for Sumera Travel Corporation

1. Using code-first methodology, create the following database structure  
   \*Note: The fields specified below are indicative and you can change it if required.

**Master Data**

* 1. Country (Id, Code, Name)
  2. City (Id, Name, CountryRefId)
  3. Hotel (Id, Name, Star, CityRefId,)
  4. Amenities (Id, Name, Description)
  5. HotelAmenitiesLink (Id, HotelRefId, AmenitiesRefId)
  6. Airport (Id, Code, Address1, CityRefId, Address1, Address2, Address3, CityRefId, PinCode, Telephone1, Telephone2, Email1, Email2)
  7. Airline (Id, Name, ShortName, Address1, Address2, Address3, CityRefId, PinCode, Telephone1, Telephone2, Email1, Email2)
  8. Flight (Id, Code, AirlineRefId, FromAirportRefId, ToAirportRefId, Address1, Address2, Address3, CityRefId, PinCode, Telephone1, Telephone2, Email1, Email2)
  9. Customer (Id, FirstName, LastName, DateOfBirth, Address1, Address2, Address3, CityRefId, PinCode, Telephone1, Email1)

**Transaction Data**

* 1. FlightSchedule (Id, FlightRefId, DepartureDate, ArrivalDate)
  2. FlightBooking (Id, PassengerNameRecord, BookingTimeStamp, CustomerRefId, FlightScheduleRefId, CustomerContactMobile, CustomerContactEmail, List<FlightCustomerDetail> FlightCustomerDetails)
  3. FlightCustomerDetail (Id, FlightBookingRefId, CustomerRefId)
  4. HotelBooking (Id, HotelRefId, ConfirmationCode, FromDate, ToDate,   
     List< HotelCustomerDetail> HotelCustomerDetails)
  5. HotelCustomerDetail (Id, HotelBookingRefId, CustomerRefId)

1. Create an API project with following endpoints
   1. CRUD for all master data, i.e. Country, City, Hotel, Amenities, HotelAmenitiesLink, Airport, Airline, Flight, Customer
   2. CRUD for FlightSchedule, FlightBooking & FlightBoo
   3. Crud for HotelBookings &
2. Create a FrontEnd Website using Angular and Bootstrap 5 (Use bootswatch.com for a professional free template).
   1. The look and feel should be similar to any one of the following websites
      1. Yartra.com
      2. Makemytrip.com
   2. Note: User needs to login before they can search and do a booking
3. Create an Admin Area of the website using Angular to CRUD the master data. The Admin are should be password protected using ASP.NET Identity.
   1. Roles:
   2. SuperAdmin
      1. Can create/update/lock/unlock users accounts
      2. Can CRUD admin data
   3. Admin
      1. Can Create Read & Update admin data. Delete is not allowed
   4. User
      1. Can search for hotel or flight.
      2. Do booking.
      3. Do Payments (Note: The payments page should be a blank page with message “Payment Successfully complete”. On click of button, navigate to the Ticket Page, where user can view the ticket and print the ticket.