|  |  |  |  |
| --- | --- | --- | --- |
| Ahsanullah University of Science and Technology | | | |
| Department of Computer Science and Engineering | | | |
|  |  | |  |
|  | | | |
| Project Name : | | **Fly Sky: Air Ticket Management** | |
| **Couse Name:** | | Database Lab | |
| **Couse ID:** | | CSE 3104 |  |
| **Semester :** | | FALL 2018 |  |
|  | |  |  |
| **Student ID :** | | **Student Name** | |
| 160204061 | | Ahmad Subaktagin Jabir | |
| 160204075 | | Chowdhury Abdullah Al Mohaymin | |
|  | |  | |

Database Tables:

**Table 01: Passenger**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| PassengerId | Int | P.K (IS: 1001) |
| Name | Varchar(50) | Not Null |
| E-mail | Varchar(70) | Not Null |
| Contact No | Varchar (30) | Not Null |

**Table 02: Flight**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| Flight No | Int | P.K (IS: 3001) |
| Airline Name | Varchar(60) | Not Null |
| From | Varchar(60) | Not Null |
| To | Varchar(60) | Not Null |
| Date | Date | Not Null |
| Time | Time | Not Null |
| Available Seats | Varchar(10) | Not Null |

**Table 03: Bill**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| Bill ID | Varchar(60) | P.K (IS:5001) |
| Quantity | Int | Not Null |
| Amount | Int | Not Null |

Database Relations:

**Relation 01: Passenger & Flight**

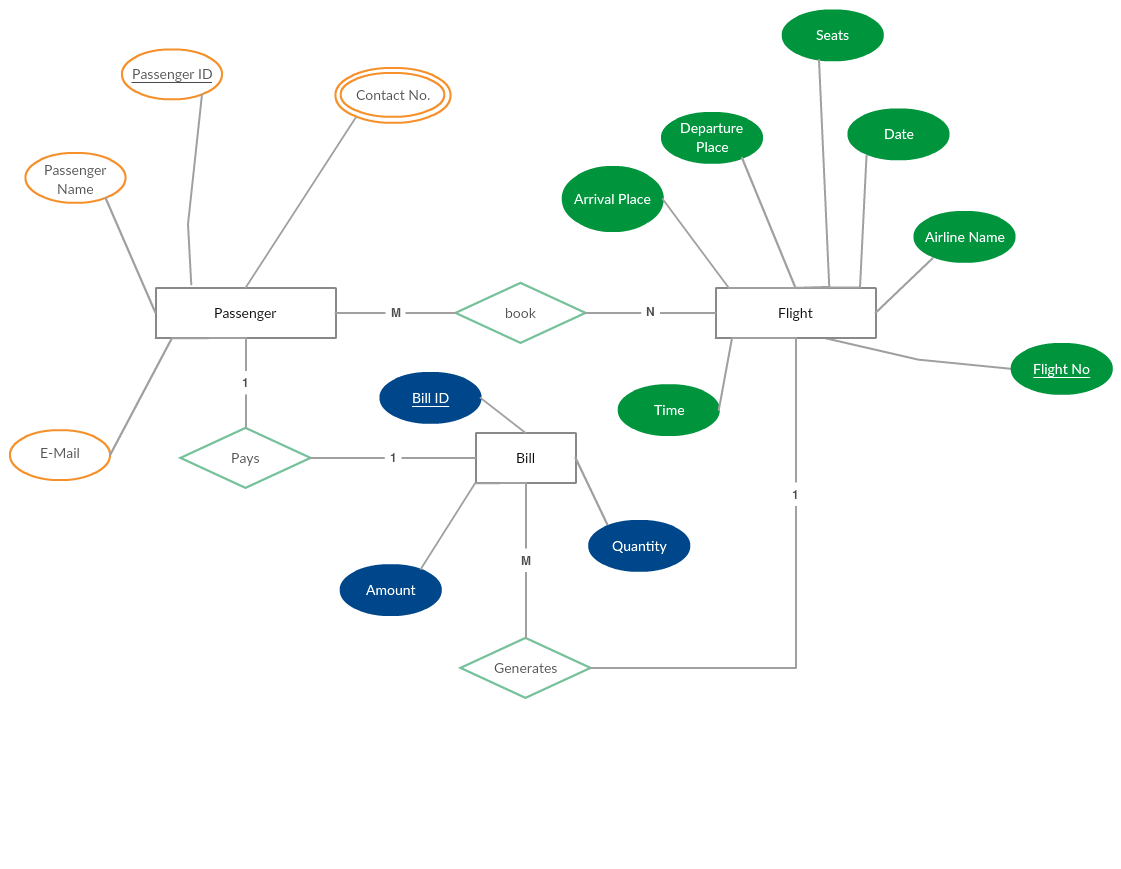
|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| PassengerId | Int | P.K (IS: 1001) |
| Passenger Name | Varchar(50) | Not Null |
| Flight No | Int | P.K (IS: 3001) |
| Airline Name | Varchar(60) | Not Null |
| From | Varchar(60) | Not Null |
| To | Varchar(60) | Not Null |
| Date | Date | Not Null |
| Time | Time | Not Null |
| Available Seats | Varchar(10) | Not Null |

**Relation 02: Flight & Bill**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| Flight No | Int | P.K (IS: 3001) |
| Airline Name | Varchar(60) | Not Null |
| From | Varchar(60) | Not Null |
| To | Varchar(60) | Not Null |
| Date | Date | Not Null |
| Time | Time | Not Null |
| Available Seats | Varchar(10) | Not Null |
| Bill ID | Varchar(60) | P.K (IS:5001) |
| Quantity | Int | Not Null |
| Amount | Int | Not Null |

**Relation 03: Passenger & Bill**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| PassengerId | Int | P.K (IS: 1001) |
| Passenger Name | Varchar(50) | Not Null |
| Bill ID | Varchar(60) | P.K (IS:5001) |
| Quantity | Int | Not Null |
| Amount | Int | Not Null |

****