**Group7 – Section ZAA**

**Topic – Hotel Reservation System**

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Diagram

Description automatically generated

**CUSTOMER**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| CustomerID | NUMBER | 4 |  | PK | Y | 1-9999 | 1234 | Autonumbered identity |
| fname | STRING | 25 |  |  | Y |  | “Pachino” |  |
| lname | STRING | 25 |  |  | Y |  | “Paul” |  |
| phone | NUMBER | 11 |  |  | Y | 2000000000-9999999999 | 9467293762 | Assuming North American phone number |
| email | STRING | 25 |  |  | Y |  | abc@gmail.com |  |
| Password | STRING | 16 |  |  | Y | 16-50 | 12367asdhzxcvbnmasefA@! |  |

**BOOKING**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| HotelID | NUMBER | 4 |  | PK, FK1 | Y | 1-9999 | 1234 | Autonumbered identity |
| CustomerID | NUMBER | 4 |  | PK, FK2 | Y | 1-9999 | 4321 | Autonumbered identity |
| Guests | NUMBER |  |  |  | Y | 1-4 | 3 | Number of guests in each booking |
| CheckOut | DATE |  |  |  | Y |  | 2022/10/19 | Date of Birth (YYYY/MM/DD) |
| ChickIn | DATE |  |  |  | Y |  | 2022/10/10 | Date of Birth (YYYY/MM/DD) |
| ReviewDec | STRING | 25 |  |  | N | 20-80 | “Very great rooms and great food” | Reviews about the hotel and its services. |
| RatingStar | NUMBER | 1 |  |  | N | 1-5 | 5 | Ratings by the customer |
| Commission | NUMBER | 9, 2 |  |  | Y |  | $10,000.00 | Commission earned by each booking. |

**HOTEL**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| HotelID | NUMBER | 4 |  | PK | Y | 1-9999 | 1234 | Autonumbered identity |
| Country | STRING | 25 |  | FK | Y |  | “Canada” | Country of the hotel |
| Name | STRING |  |  |  | Y |  | “Holiday Inn” | Name of the hotel |
| Star | NUMBER | 1 |  |  | Y | 1-5 | 5 | Rating |

**PAYMENT**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| CardNumber | NUMBER | 4 |  | PK | Y | 1-9999 | 1234 | Credit/Debit card number |
| CustomerID | NUMBER | 4 |  | FK | Y | 1-9999 | 2345 | Autonumbered identity |
| lssueDate | DATE |  |  |  | Y |  | 2022/12/23 | Date of Birth (YYYY/MM/DD) |
| ExpiryDate | DATE |  |  |  | Y |  | 2027/11/23 | Date of Birth (YYYY/MM/DD) |
| PaymentDate | DATE |  |  |  | Y |  | 2027/12/23 | Date of Birth (YYYY/MM/DD) |
| AmountPaid | NUMBER | 9, 2 |  |  | Y |  | $800.23 | Monetary value |

**COUNTRY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Data Type** | **Size, Precision** | **Default** | **PK/FK** | **Required** | **Range** | **Sample Data** | **Notes** |
| Country | STRING |  |  | PK | Y |  | “Canada” | Country of the hotel |
| Province | STRING |  |  |  | Y |  | “Quebec” | Province of the hotel |
| City | STRING |  |  |  | Y |  | “Montreal” | City of the hotel |
| PostalCode | STRING |  |  |  | Y |  | M1C 3C6 | Postal code of the hotel |
| Street | STRING |  |  |  | Y |  | “Rouge” | Street of the hotel |
| Landmark | STRING |  |  |  | Y |  | “Near grand Cathedral” | Landmarks near hotel |