Data Dictionary

**Booking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Constraints** | **Description** | **Example** |
| BookingID | Varchar | 4 | Primary Key | Unique record of each booking | 4011 |
| BookingDate | Date | 8 | Not Null | Date when booking was made | 01.05.2022 |
| BookingTime | Time | 4 | Not Null | Time when booking was made | 1:00PM |
| CheckInDate | Date | 8 | Not Null | Check-in Date in Hotel | 01.07.2022 |
| CheckIn | Time | 4 | Not Null | Check-in Time in Hotel | 2:00PM |
| CheckOutDate | Date | 8 | Not Null | Checkout Date in Hotel | 03.07.2022 |
| Checkout | Time | 4 | Not Null | Checkout Time in Hotel | 2:00PM |
| NumofAdults | Integer | 2 | Not Null | Number of adults | 2 |
| NumofChildren | Integer | 2 | Not Null | Number of children | 0 |
| SpecialRequest | Text | 100 | Null | Special request if any | Birthday Cake for dinner on 09.07.2022 |
| GuestID | Varchar | 14 | Foreign Key | Unique record of each guest | 0271195927397M |
| EmployeeID | Varchar | 14 | Foreign Key | Unique record of each employee | 0050770481934M |

**Guest**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Constraints** | **Description** | **Example** | |
| GuestID | Varchar | 14 | Primary Key | Unique record of each guest | 0271195927397M | |
| FirstName | Varchar | 30 | Not Null | First Name of guest | Elodie | |
| LastName | Varchar | 30 | Not Null | Last Name of guest | Macquet | |
| DOB | Date | 8 | Not Null | Date of birth of guest | 27.11.95 | |
| Gender | Char | 1 | Not Null | Gender of guest (M or F) | F | |
| PhoneNum | Number | 15 | Null | Phone number of guest | +23057693013 | |
| EmailAddress | Varchar | 30 | Not Null | Email address of guest | elodiemac@outlook.com | |
| Address | Varchar | 50 | Not Null | Address of guest | Curepipe, Mauritius | |
| BookingID | Varchar | 4 | Primary Key | Unique record of each booking | 4011 |

**Employee**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | | **Field Size** | **Constraints** | | **Description** | | **Example** | |
| EmployeeID | Varchar | | 14 | Primary Key | | Unique record of each employee | | 0050770481934M | |
| FirstName | Varchar | | 30 | Not Null | | First Name of employee | | Sheena | |
| LastName | Varchar | | 30 | Not Null | | Last Name of employee | | Mukhish | |
| DOB | Date | | 8 | Not Null | | Date of birth of employee | | 05.07.1970 | |
| Gender | Char | | 1 | Not Null | | Gender of employee | | F | |
| PhoneNum | Number | | 15 | Not Null | | Phone number of employee | | +23057732901 | |
| EmailAddress | Varchar | | 30 | Null | | Email address of employee | | s.mukhish@gmail.com | |
| StartShift | Time | | 4 | Not Null | | Start shift of employee | | 12PM | |
| EndShift | Time | | 4 | Not Null | | End shift of employee | | 8PM | |
| RoleID | Varchar | | 5 | Foreign Key | | Unique record of each employee role | | H010R | |
| BookingID | Varchar | 4 | Primary Key | | Unique record of each booking | | 4011 | |

**Room**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Constraints** | **Description** | **Example** |
| RoomNo | Varchar | 4 | Primary Key | Unique record of each room | 5078 |
| Occupancy | Varchar | 20 | Not Null | Occupancy of room | **CO - Check-Out** |
| BookingID | Varchar | 4 | Foreign Key | Unique record of each booking | 4011 |
| RoomType | Varchar | 20 | Foreign Key | Unique record of each room type | Suite |

**Room Type**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Constraints** | **Description** | **Example** |
| RoomType | Varchar | 20 | Primary Key | Unique record of each room type | Suite |
| RoomDescription | Text | 255 | Not Null | Description of the room | King size bed |

**Bill**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Constraints** | **Description** | **Example** |
| BillNum | Varchar2 | 4 | Primary Key | Unique record of each Bill Number | 0001 |
| RoomCharges | Number | 6 | Not Null | Unique price of one room | Rs 10 000 |
| RoomService | Number | 6 | Not Null | Price of food and beverages ordered to room | Rs 1 000 |
| RestaurantCharges | Number | 6 | Not Null | Price for eating at the hotel restaurant | Rs 4 000 |
| BarCharges | Number | 6 | Null | Price of drinks served at the bar | Rs 2 000 |
| ExpiryDate | Date | 8 | Not Null | Expiry Date of bill |  |
| GuestID | Varchar | 14 | Foreign Key | Unique record of each guest | 0271195927397M |

**Invoice**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Constraints** | **Description** | **Example** |
| BillNum | Varchar2 | 4 | Foreign Key | Unique record of each receipt | 0001 |
| GuestID | Varchar | 14 | Foreign Key | Unique record of each guest | 0271195927397M |
| PaymentID | Varchar | 5 | Foreign Key | Unique record for each payment made | CC846 |

**Transaction Mode**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Constraints** | **Description** | **Example** |
| PaymentID | Varchar | 5 | Primary Key | Unique record of each payment | CC838 |
| PaymentMode | Varchar | 30 | Not Null | Method of payments | Credit card |
| PaymentDate | Date | 8 | Not Null | Date of payment | 22.06.22 |
| PaymentTime | Time | 4 | Not Null | Time of payment | 3:00 PM |

**Employee Role**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** | **Constraints** | **Description** | **Example** |
| RoleID | Varchar | 5 | Primary Key | Unique record of each employee role | R005T |
| RoleTitle | Varchar | 30 | Not Null | Role title | Receptionist |
| Description | Text | 200 | Not Null | Description of role title | Checking booking details |