**Ski Resort Data Dictionary**

Table: **Reservation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| reservationID | Unique sequential number identifying each reservation | INT |  |  | PK |
| checkInDate | Date they check in | Date |  | YYYY/MM/DD |  |
| checkOutDate | Date they check out | Date |  | YYYY/MM/DD |  |

Table: **Guest**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| guestID | Unique sequential number identifying each guest | INT |  |  | PK |
| guestName | Guest’s name | Text | 100 |  |  |
| guestEmail | Guest’s email address | Text | 100 |  |  |
| guestPhone | Guest’s phone number | Text | 20 | (999)999-9999 |  |
| guestAddress | Guest’s address | Text | 100 |  |  |
| reservationID | Unique sequential number identifying each reservation | INT |  |  | FK (ref. Reservation) |

Table: **Lesson**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| lessonID | Unique sequential number identifying each lesson | INT |  |  | PK |
| trailID | Unique sequential number identifying each trail | INT |  |  | FK\* (ref. Trail) |
| lessonDate | Date of the lesson | Date |  | YYYY/MM/DD |  |
| lessonTime | Time of the lesson | TIME |  | HH:MM:SS |  |
| reservationID | Unique sequential number identifying each reservation | INT |  |  | FK (ref. Reservation) |

Table: **Instructor\_has\_Lesson**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| instructorID | Unique sequential number identifying each instructor | INT |  |  | FK (ref. Instructor) |
| lessonID | Unique sequential number identifying each lesson | INT |  |  | FK (ref. Lesson) |

Table: **Instructor**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| instructorID | Unique sequential number identifying each instructor | INT |  |  | PK |
| instructorName | Instructor’s name | Text | 100 |  |  |
| instructorExpertise | The area of expertise of the instructor | Text | 100 |  |  |
| instructorAvailability | The availability of the instructor | Text | 20 |  |  |

Table: **Trail**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| trailID | Unique sequential number identifying each trail | INT |  |  | PK |
| trailName | Name of the trail | Text | 100 |  |  |
| trailDifficulty | Difficulty of the trail | Text | 20 |  |  |
| trailLength | Length of the trail | DECIMAL | (5,2) |  |  |
| trailStatus | Status of the trail | Text | 20 |  |  |

Table: **Lift**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| liftID | Unique sequential number identifying each lift | INT |  |  | PK |
| LiftCapacity | Capacity of the lift | INT |  |  |  |
| liftStatus | Status of the lift | Text | 20 |  |  |
| Trail\_trailID | Unique sequential number identifying each lift to a trail | INT |  |  | FK |

Table: **Room**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| roomID | Unique sequential number identifying each room | INT |  |  | PK |
| hotelID | Unique sequential number identifying each hotel | INT |  |  | FK\* (ref. Hotel) |
| roomType | Type of room | Text | 50 |  |  |
| roomCapacity | Capacity of room | INT |  |  |  |
| roomPrice | Price of room | DECIMAL | (5,2) |  |  |
| reservationID | Unique sequential number identifying each reservation | INT |  |  | FK (ref. Reservation) |

Table: **Hotel**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| hotelID | Unique sequential number identifying each hotel | INT |  |  | PK |
| hotelName | Name of the hotel | Text | 100 |  |  |
| hotelLocation | Location of the hotel | Text | 100 |  |  |
| hotelRating | Rating of the hotel | DECIMAL | (3,2) |  |  |
| hotelCapacity | Capacity of the hotel | INT |  |  |  |

Table: **HotelStaff**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| hotelStaffID | Unique sequential number identifying each hotel staff member | INT |  |  | PK |
| hotelID | Unique sequential number identifying each hotel | INT |  |  | FK(ref. Hotel) |

Table: **Restaurant**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| restaurantID | Unique sequential number identifying each restaurant | INT |  |  | PK |
| restaurantName | Name of the restaurant | Text | 100 |  |  |
| restaurantLocation | Location of the restaurant | Text | 100 |  |  |
| restaurantCuisine | Cuisine of the restaurant | Text | 50 |  |  |
| hotelID | Unique sequential number identifying each hotel | INT |  |  | PK (ref. Hotel) |

Table: **RestaurantStaff**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| restaurant StaffID | Unique sequential number identifying each restaurant staff member | INT |  |  | PK |
| hotelID | Unique sequential number identifying each hotel | INT |  |  | FK(ref. Hotel) |

Table: **RentalShop**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| rentalShopID | Unique sequential number identifying each rental shop | INT |  |  | PK |
| rentalShopName | Name of the rental shop | Text | 100 |  |  |
| hotelID | Unique sequential number identifying each hotel | INT |  |  | FK(ref. Hotel) |

Table: **RentalShopStaff**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| staffID | Unique sequential number identifying each rental shop staff member | INT |  |  | PK |
| staffName | Name | Text | 100 |  |  |
| staffPosition | Position | Text | 50 |  |  |
| staffSalary | Salary | DECIMAL | (10,2) |  |  |
| rentalShopID | Unique sequential number identifying each Rental Shop | INT |  |  | FK (ref. RentalShop) |

Table: **Equipment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Column Name | Description | Data Type | Size | Format | Key? |
| equipmentID | Unique sequential number identifying each piece of equipment | INT |  |  | PK |
| rentalShopID | Unique sequential number identifying each Rental Shop | INT |  |  | FK\* (ref. RentalShop) |
| equipmentType | Type of equipment | Text | 50 |  |  |
| equipmentSize | Size of equipment | Text | 20 |  |  |
| equipmentAvailability | Availability of equipment | Text | 20 |  |  |