**Snowboard4humans - database design**

* **Bold field** is primary key,
* *Italic field* is foreign key.

1. **Customer Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Minimum length** | **Maximum length** | **Required** | **Unique** |
| 1 | **Customer ID** | Number |  |  | Yes | Yes |
| 2 | E-mail | Text | 10 | 64 | Yes | Yes |
| 3 | Full name | Text | 8 | 30 | Yes |  |
| 4 | Address | Text | 10 | 128 | Yes |  |
| 5 | City | Text | 3 | 32 | Yes |  |
| 6 | Country | Text | 3 | 64 | Yes |  |
| 7 | Phone Number | Text | 10 | 15 | Yes |  |
| 8 | Zip Code | Text | 3 | 24 | Yes |  |
| 9 | Password | Text | 8 | 16 | Yes |  |
| 10 | Register date | Date and time |  |  | Yes |  |

1. **Category Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Minimum length** | **Maximum length** | **Required** | **Unique** |
| 1 | **Category ID** | Number |  |  | Yes | Yes |
| 2 | Category Name | Text | 5 | 30 | Yes | Yes |

1. **Manufacturer Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Minimum length** | **Maximum length** | **Required** | **Unique** |
| 1 | **Manufacturer ID** | Number |  |  | Yes | Yes |
| 2 | Manufacturer Name | Text | 5 | 30 | Yes | Yes |
| 3 | Description | Text | 200 | 2000 | Yes |  |

1. **Equipment Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Minimum length** | **Maximum length** | **Required** | **Unique** |
| 1 | **Equipment ID** | Number |  |  | Yes | Yes |
| 2 | Name | Text | 10 | 128 | Yes | Yes |
| 3 | *Manufacturer ID* | Number | *Foreign key to Manufacturer table* | | | |
| 4 | Short Description | Text | 50 | 1000 | Yes |  |
| 5 | Long Description | Text | 200 | 2000 | Yes |  |
| 6 | Sex | Text | 1 | 6 | Yes |  |
| 7 | Image | Varbinary(max) |  |  | Yes |  |
| 8 | Price | Float number |  |  | Yes |  |
| 9 | Length Or Size | Text | 1 | 10 | YES |  |
| 10 | *Category ID* | Number | *Foreign key to Category table* | | | |

1. **Review Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Minimum length** | **Maximum length** | **Required** | **Unique** |
| 1 | **Review ID** | Number |  |  | Yes | Yes |
| 2 | *Equipment ID* | Number | *Foreign key to Equipment table* | | | |
| 3 | *Customer ID* | Number | *Foreign key to Customer table* | | | |
| 4 | Rating | Number |  |  |  |  |
| 5 | Headline | Text | 20 | 128 | Yes |  |
| 6 | Comment | Text | 100 | 500 | Yes |  |
| 7 | Review Time | Date time |  |  |  |  |

1. **Order Tables**

**Equipment Order Table (master)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Minimum length** | **Maximum length** | **Required** | **Unique** |
| 1 | **Order ID** | Number |  |  | Yes | Yes |
| 2 | *Equipment ID* | Number | *Foreign key to Equipment table* | | | |
| 3 | Order Date | Date time |  |  | Yes |  |
| 4 | Shipping Address | Text | 20 | 256 | Yes |  |
| 5 | Recipient Name | Text | 8 | 30 | Yes |  |
| 6 | Recipient Phone | Text | 10 | 15 | Yes |  |
| 7 | Payment Method | Text | 5 | 20 | Yes |  |
| 8 | Order Total | Float number |  |  |  |  |
| 9 | Order Status | Text | 5 | 20 |  |  |

**Order Detail Table (detail)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Minimum length** | **Maximum length** | **Required** | **Unique** |
| 1 | *Order ID* | Number | *Foreign key to Equipment Order table* | | | |
| 2 | *Equipment ID* | Number | *Foreign key to Equipment table* | | | |
| 3 | Quantity | Number |  |  | Yes |  |
| 4 | Sub Total | Float number |  |  | Yes |  |

1. **User Table**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Data Type** | **Minimum length** | **Maximum length** | **Required** | **Unique** |
| 1 | **User ID** | Number |  |  | Yes | Yes |
| 2 | E-mail | Text | 10 | 64 | Yes | Yes |
| 3 | Full Name | Text | 8 | 30 | Yes |  |
| 4 | Password | Text | 8 | 16 | Yes |  |