Data Dictionary for Shop Online Watches System

*Last Updated <10/29/2020> by <Huynh Nhat Minh>*

1. Table PRODUCT:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data Type** | **Data Format** | **Number of bytes for Storage** | **Size of Display** | **Description** | **Example** | **Validation** |
| ProductID | Integer | XXXXXXXXX | 10 | 10 | Unique Identifier For Product | 123 | Positive number |
| ProductName | String |  | 100 | 100 | Name Product is Unique | CASIO\_A1 |  |
| UnitPrice | Integer | XXXXXXXXX | 10 | 10 | Price Product | 12000 | Positive number |
| Amount | Integer | XXXXXXXXX | 10 | 10 | Quantity of products | 12 | Positive number |
| Status | String |  | 100 | 100 | Stocking | Stocking |  |
| Size | Integer | XXXXXXXXX | 10 | 10 | Size of each product | (12:12);(12:13) | Positive number |
| SaleOff | Integer | XXXXXXXXXX | 10 | 10 | Sale of Product | -5%, -10% |  |
| WanrrantyTime | Date | MM/DD/YYYY |  |  | The date of product entry | 05/05/2017 |  |
| OriginName | String | XXXXXXXXXX | 100 | 100 | Product origin | VietNam |  |

1. Table CUSTOMER:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data Type** | **Data Format** | **Number of bytes for Storage** | **Size of Display** | **Description** | **Example** | **Validation** |
| CustomerID | Integer | XXXXXXXXX | 10 | 10 | Primary | 1 | Positive number |
| CustomerUsername | String | XXXXXXXXXX | 30 | 30 | Username Customer is Unique | Buyervipprono1 |  |
| CustomerPassword | String | XXXXXXXXX | 10 | 10 |  | Ok12@#$!!! | Encrypt MD5 |
| CustomerName | String | XXXXXXXXX | 10 | 10 |  | Nguyen Van Ba |  |
| CustomerPhone | String | XNNNNNN | 100 | 100 |  | 0344812942 |  |
| CustomerAddress | String | XXXXXXXXX | 10 | 10 |  | Soc Trang |  |
| CustomerBirthday | Date | MM/dd/YYYY | 10 | 10 |  | 22/02/2000 |  |
| CustomerEmail | String | XXXXXXXXXX |  |  |  | email@gmail.com |  |
| CustomerGender | String | XXXXXXXXXX | 100 | 100 |  | Male |  |

1. Table SUPPLIER:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data Type** | **Data Format** | **Number of bytes for Storage** | **Size of Display** | **Description** | **Example** | **Validation** |
| SuppliersID | Integer | xxxxxxxxxx | 10 | 10 | Unique Identifier For Supplier | 321 | Positive number |
| Suppliers Name | String | xxxxxxxxxx | 50 | 50 | Name of Supplier | Apple |  |
| Phone | String | xxxxxxxxxx | 15 | 15 | Phone of Supplier | 0348400999 |  |
| Email | String | xxxxxxxxxx | 50 | 50 | Email of Supplier | Supplier@gmail.com |  |
| Address | String | xxxxxxxxxx | 255 | 255 | Address of Supplier | NguyenVanCu Street, Can Tho city |  |

1. Table EMPLOYEE:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data Type** | **Data Format** | **Number of bytes for Storage** | **Size of Display** | **Description** | **Example** | **Validation** |
| EmployeeID | Integer | xxxxxxxxxx | 10 | 10 | Unique Identifier Employee | 321 | Positive number |
| RoleID | Integer | xxxxxxxxxx | 10 | 10 | Foreign key of Role | 123 |  |
| Username | String | xxxxxxxxxx |  |  | Username use login system | admin | minh123 |
| Password | String | xxxxxxxxxx |  |  | Password use login system | 123123 | Encrypt MD5 |
| Name | String | xxxxxxxxxx |  |  | Name of Employee | Lê Minh Nghĩa |  |
| Address | String | xxxxxxxxxx |  |  | Address of Employee | Soc Trang |  |
| Phone | String | xxxxxxxxxx |  |  | Phone number of Employee |  |  |
| ID card | Integer | xxxxxxxxxx | 12 | 12 | ID card of Employee | 366312098 | Positive number |
| Gender | String | xxxxxxxxxx |  |  | Gender of Employee |  |  |

1. Table PICTURE:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Data Format | Number of bytes for Storage | Size of Display | Description | Example | Validation |
| PictureID | Integer | xxxxxxxxxx | 10 | 10 | Product photo description | 1 | Positive number |
| ProductID | Integer | xxxxxxxxxx | 10 | 10 | Unique Identifier For Product | 1 |  |
| URL | String | xxxxxxxxxx | 255 | 255 |  | https://imge.com/22.png |  |
| PictureName | String | xxxxxxxxxx | 50 | 50 | Name of picture | Dong Ho Thuy Si |  |

1. Table VOUCHER:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute | Data Type | Data Format | Number of bytes for Storage | Size of Display | Description | Example | Validation |
| VoucherID | Integer | xxxxxxxxxx | 10 | 10 | Determine the id of the voucher | Y12 | Positive number |
| VoucherCode | String | xxxxxxxxxx | 50 | 50 | code to apply the discount | Bt123der |  |
| Status | String | xxxxxxxxxx | 100 | 100 | indicates the status is used or not | use / not use |  |
| Expyrite | Date | xxxxxxxxxx |  |  | expiration date | has been used / not used |  |
| Value | Integer | xxxxxxxxxx | 10 | 10 | how many percent off | 100000 |  |

1. Table CATEGORY:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data Type** | **Data Format** | **Number of bytes for Storage** | **Size of Display** | **Description** | **Example** | **Validation** |
| CategoriesID | Integer | XXXXXXXXX | 5 | 5 | Unique Identifier For Role | 1 |  |
| CategoriesName | String |  | 50 | 50 | Name Category is Unique | Fabric |  |
| Description | String | XXXXXXXXX | 255 | 255 | Is a durable, water-resistant type | Is a durable, water-resistant type |  |

1. Table ROLE:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data Type** | **Data Format** | **Number of bytes for Storage** | **Size of Display** | **Description** | **Example** | **Validation** |
| RoleID | Integer | XXXXXXXXX | 5 | 5 | Unique Identifier For Role | 1 |  |
| RoleName | String | XXXXXXXXX | 10 | 10 | Name Product is Unique | Admin |  |

1. Table ORDER:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data Type** | **Data Format** | **Number of bytes for Storage** | **Size of Display** | **Description** | **Example** | **Validation** |
| OrderID | Integer | XXXXX | 5 | 5 | Unique Identifier For Order | 1 |  |
| TransportID | Integer |  | 5 | 5 | Name Product is Unique | 1 |  |
| RequestedDay | Date | MM/dd/yyyy |  |  | Price Product | 11/05/2020 |  |
| ShippedDay | Date | MM/dd/yyyy |  |  | Quantity of products | 11/05/2020 |  |
| Total Money | Float |  | 15 | 15 | Stocking | 23.650 |  |
| StatusOrder | String | XXXXXXXXX | 25 | 25 | Size of each product | Transported |  |
| StatusPayment | String | XXXXXXXXXX | 25 | 25 | Sale of Product | Paid |  |

1. Table ORDER DETAILS:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attribute** | **Data Type** | **Data Format** | **Number of bytes for Storage** | **Size of Display** | **Description** | **Example** | **Validation** |
| ProductID | Integer | XXXXX | 5 | 5 | Unique Identifier For Role | 1 |  |
| OrderID | Integer | XXXXX | 5 | 5 | Unique Identifier For Order | 1 |  |
| UnitPrice | Integer | XXXXXXXXX | 10 | 10 | Price Product | 12.000 |  |
| Amount | Integer | XXXXXXXXX | 10 | 10 | Quantity of products | 12 |  |