**DATABASE SCHEMA FOR RETAIL SHOP**

**Created by**

**Adarsh Gupta**

**DATABASE SCHEMA FOR RETAIL SHOP**

1. **SuperCategory**

|  |  |  |
| --- | --- | --- |
| ColumnName | Type | Validation |
| SC\_ID | Integer | Primary Key, Auto Increment |
| SC\_NAME | String | Unique, , NOT NULL |
| CreatedDate | Date | NOT NULL(current sysdate) |
| UpdatedDate | Date | Initial null |
| Show | Boolean | Default (True) |

1. **Category**

|  |  |  |
| --- | --- | --- |
| ColumnName | Type | Validation |
| C\_ID | Integer | Primary Key, Auto Increment |
| C\_NAME | String | Unique, NOT NULL |
| SC\_ID | Integer | Foreign Key(Super\_Category) |
| CreatedDate | Date | NOT NULL(current sysdate) |
| UpdatedDate | Date | Initial null |
| Show | Boolean | Default (True) |

1. **SubCategory**

|  |  |  |
| --- | --- | --- |
| ColumnName | Type | Validation |
| SBC\_ID | Integer | Primary Key, Auto Increment |
| SBC\_NAME | String | Unique, NOT NULL |
| SC\_ID | Integer | Foreign Key(Super\_Category) |
| C\_ID | Integer | Foreign Key(Category) |
| CreatedDate | Date | NOT NULL(current sysdate) |
| UpdatedDate | Date | Initial null |
| Show | Boolean | Default (True) |

1. **Product**

|  |  |  |
| --- | --- | --- |
| ColumnName | Type | Validation |
| P\_ID | Integer | Primary Key, Auto Increment |
| P\_NAME | String | NOT NULL |
| P\_Price | Double | NOT NULL(>0) |
| P\_Discounted\_Price | Double | (>0 & < =P\_Price) |
| P\_DESC | String | NOT NULL |
| P\_IMAGE | String | NOT NULL(should be loaded in folder ) |
| P\_TYPE | String | NOT NULL(PACKED,LIQUID,GRAINS) |
| P\_Added | Integer | Default 0 (update on addition to cart) |
| P\_GST | Double | (yet to decide) |
| SC\_ID | Integer | Foreign Key(SuperCategory) |
| C\_ID | Integer | Foreign Key(Category) |
| SBC\_ID | Integer | Foreign Key(SubCategory) |
| CreatedDate | Date | NOT NULL(current sysdate) |
| UpdatedDate | Date | Initial null |
| Show | Boolean | Default (True) |

1. **Uesr**

|  |  |  |
| --- | --- | --- |
| ColumnName | Type | Validation |
| U\_ID | Integer | Primary Key, Auto Increment |
| U\_NAME | String | NOT NULL |
| U\_PWD | String | Alphanumeric(8 min) |
| U\_MAIL | String | Unique, NOT NULL |
| U\_MOB | Integer | Unique, NOT NULL,(min 10) |
| U\_PADDRESS | String | NOT NULL |
| U\_DADDRESS | String | (OPTIONAL) |
| U\_REGTIME | Date | Current Date(sytem) NOT NULL |
| U\_LASTTIME | Date | Current Date(system) NOT NULL |
| U\_LASTIP | String | NOT NULL |
| U\_PROMO | String | OPTIONAL |
| Show | Boolean | Deafult(True) |

1. **Cart**

|  |  |  |
| --- | --- | --- |
| ColumnName | Type | Validation |
| Cart\_ID | Integer | Primary Key, Auto Increment |
| U\_ID | Integer | Foreign Key(User) |
| ProductLIST | Array | NOT NULL |
| |  |  |  | | --- | --- | --- | | P\_ID | Integer | FK(Product) | | P\_NAME | STRING |  | | P\_QUANTITY | Double | NOT NULL | | P\_PRICE | Double | NOT NULL | | P\_Discounted\_Price | Double | Default 0 | | P\_SHOW | Boolean | Def: True | | P\_GST | Double | optional | | P\_SUBTOTAL | Double | Def >0 | |  |  |
| CreatedDate | Date | NOT NULL(current sysdate) |
| UpdatedDate | Date | Initial null |
| Show | Boolean | Deafult(True) |

1. **Order**

***YET TO DECIDE***