**DB design**

**UserInfo**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| UserId | Varchar | PK |
| Password | Varchar | Not Null |
| FirstName | Varchar | Not Null |
| LastName | Varchar |  |
| Gender | Varchar |  |
| MobileNumber | Varchar | Not Null,Unique |
| Email | Varchar | Not Null,Unique |
| StreetAddress | Varchar |  |
| City | Varchar |  |
| State | Varchar |  |
| Pincode | Varchar |  |

**Product**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| ItemId | Varchar | PK |
| Category | Varchar | Like Mobiles,Computers etc.. |
| Brand | Varchar |  |
| Price | Float |  |
| AvailableStock | Integer |  |
| ThresoldStock | Integer |  |
| SellerEmailId | Varchar |  |
| Discount | Varchar |  |
| Image | Varchar |  |
| QuantitySold | Integer |  |

**Attributes**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| AttributeId | Varchar | PK |
| AttributeName | Varchar |  |

**AttributesProduct**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| AttributeId | Varchar | PK  FK refers Product |
| ItemId | Varchar |
| AttributeValue | varchar |  |

**Offer**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| OfferId | Varchar | PK |
| OfferDetails | Varchar | NotNull |
| Image | Varchar | Not Null |

**OfferProduct**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| OfferId | Varchar | PK,FK refers Offer, FK refers Product |
| ItemId | Varchar |
| HotFlag | Int | Not Null |

**Advertisement**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| AdvertisementId | Varchar | PK |
| AdvertisementImage | Varchar | Not Null |
| ItemId | Varchar | FK refers Product |

**Review**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| ItemId | Varchar | FK refers Product  PK |
| RatingNumber | Float |  |
| ReviewTitle | Varchar |  |
| Review | Varchar |  |
| CustomerName | Varchar | PK |

**CategoryIndex**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| Category | Varchar | PK |
| ParentCategory | Varchar | FK refers to same table |
|  |  |  |

**Bank**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| BankId | Varchar | Surrogate |
| BankName | Varchar | NotNull |
| Logo | Varchar | NotNull |

**Account**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| AccountNumber | Varchar | PK |
| BankId | Varchar | Not Null |
| Name | Varchar | NotNull |
| Username | Varchar | Not Null |
| LoginPassword | Varchar | NotNull |
| TransactionPassword | Varchar | NotNull |
| MobileNumber | Varchar | Not Null,Unique |
| Email | Varchar | Not Null,Unique |
| Balance | Float | NotNull |
| CardNumber | Varchar |  |
| CVV | Varchar |  |
| ExpiryDate | Varchar |  |
| NameOnCard | Varchar |  |

**EMIPlanDetails**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| PlanId | Varchar | PK |
| Bankid | Varchar | FK References Bank |
| EMITenure | Varchar | NotNull |
| InterestRate | Varchar | NotNull |

**PlaceOrder**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| OrderId | Varchar | PK |
| ItemId | Varchar | FK refers Product  PK |
| UserId | Varchar |  |
| EmailId | Varchar |  |
| Quantity | Integer | NotNull |
| Address | Varchar | NotNull |
| MobileNumber | Varchar | NotNull |
| ModeOfPayment | Varchar | NotNull |
| CurrentStatus | Varchar | NotNull |
| OrderPrice | Float | NotNull |

**CartDetails**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Constraints** |
| CartId | Varchar | PK |
| UserId | Varchar | FK References UserInfo |
| ItemId | Varchar | FK refers Product  PK |
| Quantity | Integer | NotNull |