**ERD (Entity Relationship Diagram)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Data Type | Size | Constraint | Description | Example |
| Uid | Int | 5 | Primary Key | It is unique id to admin and user | 12345 |
| Username | Nvarchar(Max) | Max | Not Null | It is unique username to admin and user | siddhu |
| Name | Nvarchar(Max) | Max | Not Null | It is user name to admin and user | siddharth |
| Password | Nvarchar(Max) | Max | Not Null | It is unique password to admin and user | siddhu@123 |
| Email | Nvarchar(Max) | Max | Not Null | It is unique email to admin and user | siddhu@123@gmail.com |
| Mobile | Numeric | 10 | Not Null | It is unique mobile no to admin and user | 1234567890 |
| Gender | Nchar(10) | 10 | Not Null | It is unique gender to admin and user | M/F |
| Usertype | Nchar(10) | 10 | Not Null | It identify user or admin | User – siddhu  Admin - admin |
|  |  |  |  |  |  |
| Pid | Int | 5 | Primary Key | It is unique product id | 12345 |
| PName | Nvarchar(Max) | Max | Not Null | It is product name | Realme 5s |
| PPrice | money | 10 | Not Null | It is product price | 12345 |
| PSelPrice | money | 10 | Not Null | It is selling price | 12345 |
| PBrandID | bigint | Max | Foreign Key | It is unique brand id | 12345 |
| PCategoryID | bigint | 10 | Foreign Key | It is unique category id | 12345 |
| PGender | bigint | 10 | Foreign Key | It is gender | M/F |
| PDescription | Nvarchar(Max) | Max | Not Null | It is product description | It is most expansive watch |
| FreeDelivery | int | 5 | Not Null | It is free delivery option | Free Delivery |
| 30DayRet | int | 5 | Not Null | It is 30 day return policy | 30 day return product |
| COD | int | 5 | Not Null | It is cash on delivery | Cash On Delivery |
|  |  |  |  |  |  |
| PurchaseID | bigint | 10 | Primary Key | It is unique product purchase id | 12345 |
| UserID | int | 5 | Foreign Key | It is unique user id | 12345 |
| ProductID | Nvarchar(Max) | Max | Not Null | It is unique product id | 12345 |
| CartAmount | money | 10 | Not Null | It is total cart amount | 12345 |
| CartDiscount | money | 10 | Foreign Key | It is total cart discount | 12345 |
| TotalPayed | money | 10 | Foreign Key | It is total amount payed | 12345 |
| PaymentType | Nvarchar(50) | 50 | Foreign Key | It is payment type | Online / Offline |
| PaymentStatus | Nvarchar(50) | 50 | Not Null | It is payment status indicator | Paid or not status |
| DateOfPurchase | datetime | --- | Not Null | It is date of purchased product | 12-3-20100 |
| Name | Nvarchar(Max) | Max | Not Null | It is name of product | Apple |
| Address | Nvarchar(Max) | Max | Not Null | It is user address | Mumbai |
| PinCode | Nvarchar(50) | 50 | Not Null | It is user pin code |  |
| MobileNumber | Nvarchar(50) | 50 | Not Null | It is user mobile number | 1234567890 |
|  |  |  |  |  |  |
| PIMGID | bigint | 10 | Primary Key | It is a product image | 12345 |
| PID | bigint | 10 | Foreign Key | It is product id | 12345 |
| Name | Nvarchar(Max) | Max | Not Null | It is image name | Image1 |
| Extension | Nvarchar(50) | 50 | Not Null | It is image extension | .jpg, .png |
|  |  |  |  |  |  |
| ProQunID | bigint | 10 | Primary Key | It is product quantity id | 12345 |
| PID | bigint | 10 | Foreign Key | It is product id | 12345 |
| Quantity | Nchar(10) | 10 | Not Null | It is product quantity no | 12345 |
|  |  |  |  |  |  |
| GenderID | bigint | 10 | Primary Key | It is gender id | 12345 |
| GenderName | Nvarchar(10) | 10 | Not Null | It is gender name | M/F |
|  |  |  |  |  |  |
| CatID | bigint | 10 | Primary Key | It is unique category id | 12345 |
| CatName | Nvarchar(Max) | Max | Not Null | It is category name | Fitness / Analog |
|  |  |  |  |  |  |
| BrandID | bigint | 10 | Primary Key | It is unique brand id | 12345 |
| Name | Nvarchar(Max) | Max | Not Null | It is brand name | Sonata |
|  |  |  |  |  |  |
| ID | uniqueidentifier | 10 | Primary Key | It is unique user id for password reset | 12345 |
| UID | int | 5 | Foreign Key | It is unique user id | 12345 |
| RequestDateTime | datetime | ----- | Not Null | It is date and time | 12-3-20100 |