|  |  |
| --- | --- |
| Staff | (StaffID, name, username, password, position, email, address, phoneNo ) |
| Report | (ReportID, type, reportingDate, StaffID) |
| Purchase | (PurhcaseID, PurchasingCost, Date, StaffID) |
| Supplier | (SupplierID, Name, email, phoneNo) |
| Product | (ProductID, name, category, price, size, manufacturer) |
| Stock | (StockID, qty, ProuctID) |
| Worker | (WorkerID, name, sex, phoneNo, address, salary) |
| Customer | (CustomerID, name, sex, phoneNo, address, WorkerID) |
| Bill | (SerialNo, BillID, productName, unitPrice, qty, billDate, customerID, ProductID, StaffID ) |

Table: **Staff**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| StaffID | Character type Variable length | Not Null, Primary Key |
| Name | Character type Variable length | Not Null |
| Username | Character type Variable length | Not Null, Unique |
| Password | Character type fixed length | Not Null, Unique, length must be 8 |
| Position | Character type Variable length | Not Null, check(Admin, Receptionist) |
| Email | Character type Variable length | Not Null |
| Address | Character type Variable length | Format(street name, city) |
| phoneNo | Character type fixed length |  |

Table: **Report**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| ReportID | Character type Variable length | Not Null, Primary Key |
| Type | Character type Variable length | Not Null |
| ReportingDate | Date | Not Null |
| StaffID | Character type Variable length, | Foreign Key referenced from Staff Table |

Table: **Purchase**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| PurchaseID | Character type Variable length | Not Null, Primary Key |
| PurchasingCost | int type Variable length | Not Null |
| Date | Date | Not Null |
| StaffID | Character type Variable length, foreign Key | Foreign Key referenced from Staff Table |

Table: **Supplier**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| SupplierID | Character type Variable length | Not Null, Primary Key |
| Name | Character type Variable length | Not Null |
| Email | Character type Variable length | Not Null |
| phoneNo | Character type Fixed length | Not Null |

Table: **Product**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| ProductID | Character type Variable length | Not Null, Primary Key |
| Name | Character type Variable length | Not Null |
| Category | Character type Variable length | Not Null |
| Price | money type Variable length | Not Null |
| Size | Character type Variable length | small, medium or large etc, default ‘NULL’ |
| Manufacturer | Character type Variable length | Unilever, Mitchells etc. |

Table: **Stock-**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| StockID | Character type Variable length | Not Null, Primary Key |
| qty | int Variable length | Not Null |
| ProductID | Character type Variable length | Foreign Key referenced from Product Table |

Table: **Worker**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| WorkerID | Character type Variable length | Not Null, Primary Key |
| Name | Character type Variable length | Not Null |
| Sex | Character type Fixed lenght | Not Null, check(Male/Female) |
| phoneNo | Character type fixed length | Not Null |
| Address | Character type Variable length | Not Null |
| Salary | Int/money | Nut null |

Table: **Customer**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| CustomerID | Character type Variable length | Not Null, Primary Key |
| Name | Character type Variable length | Not Null |
| Sex | Character type Fixed length | Not Null, check(Male/Female) |
| phoneNo | Character type Fixed length | Not Null |
| Address | Character type Variable length | Not Null |
| WorkerID | Character type Variable length | Foreign Key referenced from Worker Table |

Table: **Bill**

|  |  |  |
| --- | --- | --- |
| Attribute Name | Data Type | Description |
| SerialNo | Character type Variable length | Not Null, Primary Key, Unsigned, Auto Increment |
| BillID | Character type Variable length | Not Null, Unique |
| productName | Character type Variable length | Not Null |
| unitPrice | Character type Variable length | Not Null |
| qty | Integer type Variable length | Default ‘0’ |
| Date | Date (dd-mm-yy) | In any Formats |
| customerID | Character type Variable length | Foreign Key referenced from Customer Table |
| ProductID | Character type Variable length | Foreign Key referenced Product Table |
| StaffID | Character type Variable length | Foreign Key referenced from Staff Table |