**CLASS DIAGRAM**

|  |
| --- |
| RETAILER/CUSTOMER |
| +username  +accID  -password  -address  +contactNumber  +email |
|  |

|  |
| --- |
| ACCOUNT |
|  |
| +displayAccInfo  +saveAccInfo  +login |

|  |
| --- |
| PRODUCT |
| +productName  +productAvailability  +price  +productInfo |
| +manageProduct  +addProduct |

|  |
| --- |
| BANK |
|  |
|  |

|  |
| --- |
| ORDER |
| +orderID  +orderInfo  +orderPrice |
| +placeOrder  +deleteOrder  +addItem  +deleteItem  +viewOrderHistory |

**DATABASE DESIGN**

|  |  |  |  |
| --- | --- | --- | --- |
| **RETAILER/CUSTOMER** | | | |
| accID | INTEGER | PRIMARY KEY | NOT NULL |
| Username | VARCHAR2 | UNIQUE | NOT NULL |
| Password | VARCHAR2 |  | NOT NULL |
| Address | VARCHAR2 |  |  |
| contactNumber | VARCHAR2 |  | NOT NULL |
| Email | VARCHAR2 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **PRODUCT** | | | |
| productid | INTEGER | PRIMARY KEY | NOT NULL |
| productName | VARCHAR2 |  | NOT NULL |
| productAvailability | BOOLEAN |  | NOT NULL |
| Price | DOUBLE |  | NOT NULL |
| ProductInfo | VARCHAR2 |  |  |
| accID | INTEGER | FOREIGN KEY | NOT NULL |

|  |  |  |  |
| --- | --- | --- | --- |
| **ORDER** | | | |
| orderID | INTEGER | PRIMARY KEY | NOT NULL |
| orderInfo | VARCHAR2 |  | NOT NULL |
| orderPrice | DOUBLE |  | NOT NULL |
| accID | INTEGER | FOREIGN KEY | NOT NULL |
|  |  |  |  |
|  |  |  |  |