Table Name: Customer\_User

Primary Key: Customer\_ID

Description: Stores information about customer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Customer\_ID | Nvarchar | 25 | Primary Key | Store customer unique number |
| 2 | Name | Nvarchar | 30 | Not Null | Store customer name |
| 3 | Ph\_no | Int | 20 | Not Null | Store customer ph no |
| 4 | Address | Nvarchar | 50 | Not Null | Store customer address |

Table Name: Shipper\_User

Primary Key: Shipper\_ID

Description: Stores information about shipper

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Shipper\_ID | Nvarchar | 25 | Primary Key | Store shipper id unique id |
| 2 | Name | Nvarchar | 30 | Not Null | Shipper id |
| 3 | Company\_Name | Nvarchar | 30 | - | Shipper company key (valid null) |
| 4 | Ph\_No | Int | 20 | Not Null | Shipper ph no |
| 5 | Address | Nvarchar | 50 | Not Null | Shipper address |

Table Name: Auctionmanager\_User

Primary Key: Auctionmanager\_ID

Description: Stores information about Auction manager

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Name | Nvarchar | 30 | Not Null | Auction manager name |
| 2 | Auctionmanager\_ID | Nvarchar | 25 | Not Null | Auction manager id |

Table Name: Admin\_User

Primary Key: Admin\_ID

Description: Stores information about Admin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Name | Nvarchar | 30 | Not Null | Admin name |
| 2 | Admin\_ID | Nvarchar | 25 | Not Null | Admin id |

Table Name: Product

Primary Key: Product\_ID

Description: Stores information about Product

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Customer ID | Nvarchar | 30 | Foreign Key | Customer id unique  (customer table) |
| 2 | Shipper ID | Nvarchar | 30 | Foreign Key | Shipper id unique (shipper table) |
| 3 | Product\_Name | Nvarchar | 30 | Not Null | Product name |
| 4 | Product\_dimension | Nvarchar | 30 | Not Null | Details |
| 5 | Deliver\_Time | Date | - | Not Null | Estimate time for deliver |
| 6 | Product\_Weight | Nvarchar | 10 | Not Null | Info about weight |
| 7 | Start\_Bid | Int | 10 | Not Null | Max about customer affordable price |
| 8 | Product ID | Nvarchar | 30 | Primary Key | Product ID for customer product |

Table Name: Auction

Primary Key: Auction\_Trans\_ID

Description: Stores information about Auction Details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Product\_ID | Nvarchar | 30 | Foreign Key | Product id  (product) |
| 2 | Auction\_ID | Nvarchar | 30 | Primary Key | Auction id  (Auction) |
| 3 | Time Duration | Time | 20 | Not Null | Time for Bidding |
| 4 | Auction\_winner | Nvarchar | 25 | Foreign Key | Auction Winner  (Shipper) |

Table Name: Result

Description: Stores information about Auction Winner Details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Auction\_ID | Nvarchar | 30 | Foreign Key | Auction ID  (Auction) |
| 2 | Winner\_ID | Nvarchar | 30 | Foreign Key | Winner ID  (Shipper) |
| 3 | Client\_ID | Nvarchar | 30 | Foreign Key | Client ID  (Customer) |

Table Name: Feedback

Description: Stores the information about conversion between client and shipper

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Auction\_ID | Nvarchar | 30 | Foreign Key | Auction ID  (Auction) |
| 2 | Message\_Text | Nvarchar | 30 | - | Message Text |
| 3 | Client\_ID | Nvarchar | 30 | Foreign Key | Client ID  (Client) |

Table Name: Vehicle

Description: Stores the information about all the vehicles

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Column Name | Data Type | Size | Constraint | Description |
| 1 | Shipper\_ID | Nvarchar | 30 | Foreign Key | Auction ID  (Auction) |
| 2 | Vehicle\_Type | Nvarchar | 30 | Not Null | Vehicle details |
| 3 | Permit\_No | Nvarchar | 30 | Not Null | Permit no |
| 4 | Vehicle\_Dimension | Nvarchar | 30 | Not Null | Vehicle dimension details |