**Data Dictionary**

* **User Master**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| UserId | Integer | 6 | Primary Key | User Id |
| FirstName | Varchar | 50 | Not Null | Name of User |
| MiddleName | Varchar | 50 | Not Null | Name |
| Last Name | Varchar | 50 | Not Null |  |
| Type | Varchar | 20 | Not Null | Type of user(admin, user, company) |
| Email | Varchar | 50 | Not Null | Email of the User |
| Password | Varchar | 50 | Not Null | Password for Login |
| BirthDate | Date |  |  | Birthdate of user |
| RegistrationDate | Date |  |  | Registration date of company |
| Sector | Varchar | 50 | Not null | Sector of the Company |
| Address | Varchar | 255 | Not Null | Address of company/user |
| City | Varchar | 50 | Not Null | City of company/user |
| State | Varchar | 50 | Not Null | State of Company/User |
| Country | Varchar | 50 | Not Null | Country of Company/user |
| Pincode | Integer | 6 | Not Null | Pincode of Company User |
| Image | Text |  | Not Null | Path for users image |
| PhoneNumber | Number | 12 | Not Null | Phone Number of User/Company |
| Gender | Varchar | 50 |  | Gender of User |
| Description | Varchar | 255 |  | Description Of Company |
| Active | Integer |  | Default | IS the user Active |
| Delete | Integer |  | Default | Is the user deleted by an admin |
| EnterBy | Integer | 6 |  | Id of user that made the entry |
| EnterDateTime | Date/Time |  |  | Time of Entry |
| ModifyBy | Integer | 6 |  | Id of user that last Modify the profile |
| ModifyDateTime | Date/Time |  |  | Time of last modification |

* **Share**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| ShareId | Integer | 6 | Primary Key | Id of share |
| UserId | Integer | 6 | Foreign Key | Id of company which the share belong to |
| Symbol | Varchar | 50 | Not Null | Symbol of share to be used in the API call |
| BSEno | Integer | 8 | Not Null | BSE number of the stock |
| NSEno | Integer | 8 |  | NSE number of the stocks |

* **Trading**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| TradeId | Integer | 255 | Primary key | Trade Id |
| ShareId | Integer | 6 | Foreign Key | Id of share traded |
| SellerID | Integer | 6 | Foreign key | Id of user that sold the share |
| BuyerID | Integer | 6 | Foreign Key | Id of user that bought the Share |
| Price | Integer | 6 | Not Null | Price at which the share where bought |
| Volume | Integer | 6 | Not Null | Amount of share traded |
| TradeTime | Date/Time |  | Not Null | Date and time of trade |
| AmmountPending | Integer | 6 |  | Pending amount to be paid by the buyer |
| DueDate | Date |  |  | Date before the pending amount is to be paid |

* **Holding**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| UserId | Integer | 6 | Foreign Key | Id of the User who holds the share |
| ShareId | Integer | 6 | Foreign Key | Id of Share |
| Volume | Integer | 6 | Not Null | Number of share owned by the user |

* **Feedback**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| FeedbackId | Integer | 6 | Primary key | Id of feedback |
| UserId | Integer | 6 | Foreign Key | Id of user that gave the feedback |
| Feedback | Text |  | Not Null | The Feedback of the user |
| Response | Text |  |  | The response given by admin |

* **PaymentDetails**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| Pid | Integer | 6 | Primary Key | Id |
| UserId | Integer | 6 | Foreign key | Id of user who is the card holder |
| CardNumber | Integer | 19 | Not Null | Card number to be used in future transaction |
| ExpirationDate | Text |  | Not Null | Expiration Date of the card |

* **Sell Order**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| ListId | Integer | 6 | Primary Key | Id of the Listing |
| UserId | Integer | 6 | Foreign key | Id of user selling the share |
| ShareId | Integer | 6 | Foreign key | Id of share out for sale |
| Volume | Integer | 6 | Foreign Key | Amount of share out for sales |
| Price | Integer | 6 |  | Sell price for the share that user specified |

* **Buy Order**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| ListId | Integer | 6 | Primary Key | Id of the Listing |
| UserId | Integer | 6 | Foreign key | Id of user selling the share |
| ShareId | Integer | 6 | Foreign key | Id of share out for sale |
| Volume | Integer | 6 | Foreign Key | Amount of share out for sales |
| Price | Integer | 6 |  | Sell price for the share that user specified |

* **Cart**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| CartID | Integer | 6 | Primary key | Id of the cart |
| UID | Integer | 6 | Foreign Key | Foreign Key of user |
| ShareID | Text |  | Not Null | Items in Cart |

* **E-Wallet**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields | Datatype | Size | Constraint | Description |
| WID | Integer | 6 | Primary Key | Id of wallet |
| UID | Integer | 6 | Foreign key | Id of user |
| Amount | Numeric | 10,2 |  | Amount of money in Wallet |

* **Financial Statement**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields | Datatype | Size | Constraint | Description |
|  |  |  |  |  |