**Data Dictionary**

* **User Master**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| UserId | Integer | 11 | 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 |
| Address | Varchar | 255 | Not Null | Address of company/user |
| Cityid | Integer | 11 | Foreign Key | City of company/user |
| Stateid | Integer | 11 | Foreign Key | State of Company/User |
| Countryid | Integer | 11 | Foreign Key | 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 |
| Active | Integer |  | Default | IS the user Active |
| Delete | Integer |  | Default | Is the user deleted by an admin |
| EnterBy | Integer | 11 |  | Id of user that made the entry |
| EnterDateTime | Date/Time |  |  | Time of Entry |
| ModifyBy | Integer | 11 |  | Id of user that last Modify the profile |
| ModifyDateTime | Date/Time |  |  | Time of last modification |

* **Company**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| CompanyId | Integer | 11 | Primary Key | Id of Company |
| Name | Varchar | 255 | Not null | Name of company |
| ContactNo | Integer | 12 | Not null | Contact number of the company |
| Email | Varchar | 255 | Not null | Email of company |
| Password | Varchar | 50 | Not null | Password for login |
| Image | Text |  |  | Image of Company |
| GSTno | Varchar | 15 | Not Null | GST no of the company |
| CIN | Varchar | 21 | Not null | CIN number of the company |
| Registration date | Date |  | Not null | Registration date of company |
| Address | Varchar | 255 | Not null | Company physical address |
| CityId | Integer | 11 | Foreign Key | Id of city |
| StateId | Integer | 11 | Foreign Key | Id of state |
| CountryId | Integer | 11 | Foreign Key | Id of country |
| Pincode | Integer | 6 | Not null | Pincode of country |
| SectorId | Integer | 11 | Foreign Key | The sector Id |
| MarketCap | Integer | 20 | Not null | Market cap of company |

* **Sector**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| SectorId | Integer | 11 | Primary Key | Id of sector |
| SectorName | Varchar | 50 | Not Null | Name of Sector |

* **POMaster**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| POId | Integer | 11 | Primary key | Id of document |
| ComapnyId | Integer | 11 | Foreign Key | Id of company |
| Type | Varchar | 3 | Not null | Type of public offering |
| ShareSymbol | Varchar | 10 | Not null | Ticker symbol of share |
| Amount | Integer | 11 | Not null | Amount of share released by the company |
| PriceType | Varchar | 10 | Not null | Type of pricing for the ipo |
| Price | Integer | 5 |  | Fixed price fot4r the share |
| RangeHigh | Integer | 5 |  | Range high |
| RangeLow | Integer | 5 |  | Range Low |

* **POApplication**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| ApplicationID | Integer | 11 | Primary Key | Id of application |
| UserId | Integer | 11 | Foreign Key | Id of user who applied for PO |
| POId | Integer | 11 | Foreign Key | Id of PO that user applied for |
| Volume | Integer | 6 | Not null | Amount of shares user applied for |
| Bid | Integer | 6 |  | Bid of user |

* **Share**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| ShareId | Integer | 11 | Primary Key | Id of share |
| ComapnyID | Integer | 11 | Foreign Key | Id of company which the share belongs to |
| Symbol | Varchar | 50 | Not Null | Symbol of share to be used in the API call |
| Volume | Integer | 15 | Not Null | Amount of share company launched in market. |
| DividendType | Varchar | 15 | Not Null | Type of dividend paid on the share |
| LastDividend | Date |  |  | Date on which last dividend was paid |
| DividendAmt | Integer | 5 |  | Amount of dividend paid on the last date |

* **Trading**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| TradeId | Integer | 255 | Primary key | Trade Id |
| ShareId | Integer | 11 | Foreign Key | Id of share traded |
| SellerID | Integer | 11 | Foreign key | Id of user that sold the share |
| BuyerID | Integer | 11 | 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 |

* **Holding**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| UserId | Integer | 11 | Foreign Key | Id of the User who holds the share |
| ShareId | Integer | 11 | Foreign Key | Id of Share |
| Volume | Integer | 6 | Not Null | Number of shares owned by the user |

* **Feedback**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| FeedbackId | Integer | 11 | Primary key | Id of feedback |
| UserId | Integer | 11 | 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 | 11 | Primary Key | Id |
| UserId | Integer | 11 | 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** |
| SellOrderID | Integer | 11 | Primary Key | Id of the Listing |
| UserId | Integer | 11 | Foreign key | Id of user selling the share |
| ShareId | Integer | 11 | Foreign key | Id of share out for sale |
| Volume | Integer | 6 | Not Null | Amount of share out for sales |
| Price | Integer | 6 |  | Sell price for the share that user specified per share |

* **Buy Order**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| BuyOrderId | Integer | 11 | Primary Key | Id of the Listing |
| UserId | Integer | 11 | Foreign key | Id of user selling the share |
| ShareId | Integer | 11 | Foreign key | Id of share out for sale |
| Volume | Integer | 6 | Not Null | Amount of share out for sales |
| Price | Integer | 6 |  | Sell price for the share that user specified per share |

* **Cart**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| CartID | Integer | 11 | Primary key | Id of the cart |
| UID | Integer | 11 | Foreign Key | Foreign Key of user |
| ShareID | Text |  | Not Null | Items in Cart |
| Quantity | Text |  | Not null | Number of items in cart |

* **EWallet**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| WID | Integer | 11 | Primary Key | Id of wallet |
| UID | Integer | 11 | Foreign key | Id of user |
| Amount | Numeric | 10,2 |  | Amount of money in Wallet |

* **Country**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| CountryId | Integer | 11 | Primary Key | Id of Country |
| Name | Varchar | 255 | Not Null | Name of Country |

* **State**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| StateId | Integer | 11 | Primary Key | Id of State |
| Name | Varchar | 255 | Not Null | Name of State |
| CountryId | Integer | 11 | Foreign Key | Id of Country |

* **City**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fields** | **Datatype** | **Size** | **Constraint** | **Description** |
| CityId | Integer | 11 | Primary Key | Id of City |
| Name | Varchar | 255 | Not Null | Name of City |
| StateId | Integer | 11 | Foreign Key | Id of State |