**Stock Broker System Functionalities**

I am dividing the functionalities into two types :

* Must-have Functionalities : These are essential features needed for core operations.
* Nice-to-have Functionalities : These are additional features that enhance usability and provide extra value.

**Must-have Functionalities:**

* Register User: It allows broker to add new user.
* Unregister User: It allows broker to delete a user.
* Stock Holds : Number of Stocks a single user is Holding.
* Register Stock : It allows broker to add new stock.
* Unregister Stock: It allows broker to add delete a stock .
* Buy Stock: It facilitates users in purchasing stocks with the help of broker, ensuring sufficient balance and updating stock holdings.
  + Deduct amount
  + Update Stocks the user is Holding
* Sell Stock: It allows users to sell stocks with the help of broker, ensuring they have sufficient stock to sell and updating their balance accordingly.
  + Add Amount
  + Update Stock the user is Holding

**Nice-to-have Functionalities**

* Transaction History Retrieval : Stores each user’s transactions, whether buying or selling.
* Balance Inquiry : Allows users to check their remaining balance with the broker’s help.
* Brokerage Charges Display : Shows users the total brokerage charges they have incurred.
* Display Stock Information : Provides users with stock details, including brokerage charges.
* Display User Information : Allows users to view their account information.
* Balance Notification: Alerts users when their balance drops below a specified limit.