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# DOG Trader

# Test Cases

### 1.) Password Validation

a.) Test the register and login function to ensure that user input a password contain 1 upper case character, 1 lower case character, 1 number and 1 special character. Also, the test should test some SQL inject case in order to prevent potential SQL inject risk.

b.) Test the register and login function to prevent user input unacceptable password, the page should not accept the request unless the request has been fulfilled.

### 2.) Search Bar Functionality

a.) Test the search functionality to ensure that when the user searches a real stock symbol that the information corresponding to it is shown.

b.) Test the search functionality to ensure that when the user searches an incorrect stock symbol that the user is shown with a description of why they are getting the error that they inputted an incorrect stock symbol. From here they will be able to retry to input a correct stock symbol.T

c.) Test to make sure that they user can not search for an empty search field

### 3.) Buy/Sell Functionality

a.) Ensure the user has enough money in their account before being able to buy a stock. Will be tested by trying to buy stock with enough money and without enough money. When trying to purchase a stock that costs more than the user has to spend, an error message will arise and the stock will not be added to the user's portfolio.

b.) If a user is trying to sell a stock that they do not own, an error message should arise. We will test this feature by trying to sell various stocks that the user does not own, and also more stock than the user owns. In both cases, an error message should arise.