Stocks^2

An online stock trading community software

Black Box Tests

1. Logging in
   a. Check to see if the simple action of logging in works
2. Add trade strategy
   a. Check to see if the add trade strategy feature works, successfully creating a new "post", and that the new post is visible
3. Search feature
   a. Check to see if the search feature works, successfully returning search results upon entering a query

Gray Box Tests

1. Removing a trade strategy actually removes from database
   a. Tester uses moderator tools to forcefully remove a user's post
   b. Tester now checks the database to see if the post has also been deleted from the database
2. Banning a user actually bans user
   a. Tester uses administrator tools to ban a user
   b. Tester checks to see if the user is prevented from logging in
3. Creating a user successfully saves to database
   a. Tester creates a user, then checks database to see if new user can be found in database

White Box Tests

1. Software successfully connects to database
   a. Return true if software establishes real connection to database
2. Software successfully and fully launches
   a. Return true if software successfully launches all necessary packages, dependencies, and runs other required code on startup
3. Software returns correctly returns "access denied" state for an incorrect password
   a. Return true if software recognizes an incorrect matching password for a particular username, resulting in the user session entering the "incorrect password" state