Test Plan:

1. Login as Customer
   * 1. Login with invalid username/password combo
     2. Login with valid username/password combo

a. Get help with customer options

i. Get help with customer options

* 1. Deposit (add) funds
     1. Deposit funds to account belonging to user
     2. Deposit funds to account not belonging to user
  2. Withdraw funds
     1. Withdraw amount less than or equal to the funds in account
     2. Try to withdraw more funds than are in account
     3. Try to withdraw funds from account that doesn’t belong to the user
  3. Transfer funds
     1. Transfer amount of funds less than or equal to funds in account
     2. Try to transfer more funds than are in account
     3. Try to transfer funds to an account that doesn’t belong to the user
  4. View customer transaction log
     1. View all customer transactions
  5. Exit the application
     1. Exit the application

1. Login as Admin

i. Login with valid username/password combo

* 1. Get help with admin options
     1. Get help with admin options
  2. Create customer
     1. Create user with valid username/password combo
     2. Try to create user with already created username
     3. Try to create user with password that is too short
  3. Assign accounts to customer
     1. Assign customer a checking account
     2. Assign customer a savings account
  4. View system log (all customer transactions)
     1. View system log
  5. List account numbers, customers, and balances
     1. List account numbers
     2. List customers
  6. Suspend Account
     1. Suspend customer account
     2. Try to suspend admin account
  7. Reactivate Account
     1. Activate/Reactivate suspended customer account
     2. Activate/Reactivate active account
  8. Exit the application
     1. Exit the application

1. CUSTOMER FUNCTIONALITY
   1. LOGIN
      1. Test invalid login
         1. Explanation: Test that non-users are incapable of logging into and accessing the bank system
         2. Steps:
            1. Run software-arch-project/app/main.py
            2. Username Prompt: Type “nonUser”
            3. Password Prompt: Type “blah” (or whatever you want)
            4. Observe login error message
2. ADMIN FUNCTIONALITY