Project Test Plan

Project title: ReportIt
Team #5
Team members: Juncheng Tang, Yingtong Chen, Liang Zhang, Yuting Guo, Yaoxi Liang

A. Identification and Classification
B. Instructions
C. Expected Result
Severity 1: Critical (Test cases critical to the success of software)
Severity 2: Important (Test cases encountered on day to day functional tasks)
Severity 3: Workaround (Test cases for which the software could run even with the defect)

1. Open the application
<Functionality>
    A. OpenApplication 001, Open Application, Severity 1
    B. Navigate to application link "https://baker323.github.io"
    C. Navigate to Login page if user is not logged in

<Functionality>
    A. OpenApplication 002, Open Application, Severity 1
    B. Navigate to application link "https://baker323.github.io"
    C. Navigate to profile page if user has already login

2. Create a account
<Functionality>
    A. Create Account 001, User Sign up, Severity 1
    B. Enter email address and password, click "Submit"
    C. Navigate to corresponding profile page, send confirmation email

<Equivalent Class, Boundary Value>
    A. Create Account 002, User Sign up, Severity 2
    B. Enter incorrectly formatted email address and correctly formatted password, click "Submit"
    C. Display error message on email format

<Equivalent Class, Boundary Value>
    A. Create Account 003, User Sign up, Severity 2
    B. Enter correctly formatted email address and incorrectly formatted password, click "Submit"
    C. Display error message on password format

<Equivalent Class, Boundary Value>
- A. Create Account 004, User Sign up, Severity 2
- B. Enter correctly formatted email address, correctly formatted password and wrong character in "Confirm Password", click "Submit"
- C. Display error message on password confirmation not matching

3. User Login
<Functionality>
- A. UserLogin 001, User Log in, Severity 1
- B. Enter a registered email address and a correct password, click "Submit"
- C. Navigate to corresponding profile page

<Equivalent Class, Boundary Value>
- A. UserLogin 002, User Log in, Severity 2
- B. Enter incorrectly formatted email address and correctly formatted password, click "Submit"
- C. Display error message on email format

<Equivalent Class, Boundary Value>
- A. UserLogin 003, User Log in, Severity 2
- B. Enter correct email address and incorrect password, click "Submit"
- C. Display error message on incorrect password

<Equivalent Class, Boundary Value>
- A. UserLogin 004, User Log in, Severity 2
- B. Enter an unregistered email address and random password, click "Submit"
- C. Display error message on email address or password

<Equivalent Class, Boundary Value>
- A. UserLogin 005, User Log in, Severity 2
- B. Enter correctly formatted email address and incorrectly formatted password, click "Submit"
- C. Display error message on email address or password

4. User Logout
<Functionality>
- A. UserLogout 001, User Log out, Severity 1
- B. Click "Log out"
- C. Navigate to login page

5. Use email as username

The same one with userlogin 002 testcase and createaccount 002 testcase.

6. Change password

<Functionality>

    A. ChangePassword 001, redirected to change password page, Severity 1

    B. Click "Change password" under account in the navigation bar

    C. Navigate to change password page

<Functionality>

    A. ChangePassword 002, Change password, Severity 1

    B. Enter the old password and the new password, click "Submit"

    C. Display success message

<Equivalent Class, Boundary Value>

    A. ChangePassword 003, Change password2, Severity 2

    B. Enter the incorrect old password and the new password, click "Submit"

    C. Display error message on incorrect old password

<Equivalent Class, Boundary Value>

    A. ChangePassword 004, Change password invalid format, Severity 2

    B. Enter the old password and the incorrectly formatted new password, click "Submit"

    C. Display error message on incorrect password format

<Equivalent Class, Boundary Value>

    A. ChangePassword 005, Change password account entry, Severity 2

    B. Enter a invalid email address, old password and new password, click "Submit"

    C. Display error message on incorrect username

7. Delete Account

<Functionality>

    A. DeleteAccount 001, Delete Account, Severity 1

    B. Click "Delete Account" from account in the navigation bar

    C. Ask user to confirm account deletion

    D. Click "Yes"

    E. Display confirmation on deletion of account. Redirect user to login page.

<Functionality>

    A. DeleteAccount 002, Delete Account, Severity 1

    B. Click "Delete Account" from account in the navigation bar

    C. Ask user to confirm account deletion

D. Click "No"

E. Do not delete account, still remain in the old page.

8. View Personal Investment Profile

\<Functionality>

A. ViewInvestment 001, View personal investment page, Severity 1

B. Click "profile" in the navigation bar

C. Display user's current investment and balance

9. Launch Tutorial

\<Functionality>

A. LaunchTutorial 001, Launch tutorial, Severity 1

B. Click "Tutorial" in the navigation bar

C. Redirect user to tutorial page

\<Equivalent Class>

A. LaunchTutorial 002, not launch tutorial, Severity 2

B. Do not click the tutorial

C. Tutorial does not play automatically

\<Functionality>

A. LaunchTutorial 003, Launch tutorial, Severity 1

B. Click on tutorial video

C. Tutorial begins to play

10. View Transaction history

\<Functionality>

A. ViewTransaction 001, View Transaction History, Severity 1

B. Click "History" in the navigation bar

C. Display all historical transaction

11. Filter history of all transactions

\<Functionality>

A. historyTransaction 001, Filter History Trading, Severity 1

B. Click "Trading" in the navigation bar

C. Display transaction filtered by market buy or sell

<Functionality>
    A. historyTransaction 002, Filter History Dividends, Severity 1
    B. Click "Dividends" in the navigation bar
    C. Display transaction filtered by dividends

<Functionality>
    A. historyTransaction 003, Filter History Transfer, Severity 1
    B. Click "Transfers" in the navigation bar
    C. Display transaction filtered by bank transfers

12. View public Companies

<Functionality>
    A. ViewCompany 001, View Company by searching, Severity 1
    B. Enter the correct company stock symbol, click "Submit"
    C. Display graph of past and current stock value

<Equivalent Class, Boundary Value>
    A. ViewCompany 002, View Company, Severity 1
    B. Enter the incorrect company stock symbol, click "Submit"
    C. Display warnings on company not found

<Equivalent Class, Boundary Value>
    A. ViewCompany 003, View Company, Severity 1
    B. Enter the incorrectly formatted company stock symbol, click "Submit"
    C. Display warnings on incorrect company symbol format

13. Graph stock price fluctuations
This is same as ViewCompany 001-003

14. View live stock data
This is same as ViewCompany 001-003

15. View companies with owned shares

<Functionality>
    A. ViewCompanyFromProfile001, View Company from profile, Severity 2
    B. Go to profile, and then click the company
    C. List of stock symbols and the number of shares owned is displayed

16. Lookup company information
This is same as ViewCompany 001-003

17. Invest with credits provided by the app
Included in Stock Buying and Stock Selling(Test 25 and 26)

18. View how to link bank account
<Functionality>
  A. Transfer001, View video tutorial, Severity 2
  B. User clicks play on video tutorial
  C. Video tutorial start to play

<Equivalence Class, Boundary>
  A. Transfer002, Transfer correct amount, Severity 1
  B. Enter "1500" as amount to transfer from bank to app in 'banking' page
  C. Success message is displayed, balance updated

<Boundary>
  A. Transfer003, Transfer boundary value, Severity 1
  B. Enter "1501" as amount to transfer from bank to app in 'banking' page
  C. Error message warning not transferring more than 1500 dollars prompts

<Equivalence Class, Boundary>
  A. Transfer004, Transfer boundary value 2, Severity 2
  B. Enter "1" to transfer from bank to app in 'banking' page
  C. Error message warning not transferring 0 dollars prompts

<Boundary>
  A. Transfer005, Transfer boundary value, Severity 2
  B. Enter "0" as amount to transfer from bank to app in 'banking' page
  C. Success message is displayed, balance updated

19. View basic market terminology
<Functionality>
  A. ViewGlossary 001, View Glossary, Severity 1
  B. Click "Glossary" in the navigation bar
  C. Redirect user to glossary page

20. Receive confirmation email after account setup
The same one with Create Account 001, check own user email

21. Receive feedback from bot
This is basically asking website to display error message, tested in all the other test cases.

22. View stock closed days

This is same as 19

23. Receive dividends for shares in companies

This is basically asking the website to correctly store the balance

24. View Tax Document

<Functionality>
- A. ViewTax 001, View Tax, Severity 1
- B. Click "Settings" in the navigation bar
- C. Redirect user to a page with sample tax form

25. Stock Buying

<Functionality>
- A. BuyStock 001, Buy Stock Page, Severity 1
- B. Click company name on company profile page
- C. Click "Buy shares"
- D. Enter an amount of shares to buy, Click "Submit"
- E. Update investment profile, balance and transaction history

<Equivalent Class, Boundary Value>
- A. ViewCompany 002, View Company, Severity 1
- B. Click company name on company profile page
- C. Click "Buy shares"
- D. Enter "-1" as the amount of shares to buy, Click "Submit"
- E. Display error message

<Equivalent Class>
- A. ViewCompany 002, View Company, Severity 1
- B. Click company name on company profile page
- C. Click "Buy shares"
- D. Enter "1.24" as the amount of shares to buy, Click "Submit"
- E. Display error message

<Equivalent Class>
- A. ViewCompany 002, View Company, Severity 1
- B. Click company name on company profile page
- C. Click "Buy shares"
- D. Enter "int" as the amount of shares to buy, Click "Submit"
- E. Display error message

26. Stock Selling

<Functionality>
    A. SellStock 001, Sell Stock Page, Severity 1
    B. Click company name on company profile page
    C. Click "Sell shares"
    D. Enter an amount of shares to sell, Click "Submit"
    E. Update investment profile, balance and transaction history

<Equivalent Class, Boundary Value>
    A. SellStock 002, Sell Stock, Severity 1
    B. Click company name on company profile page
    C. Click "Sell shares"
    D. Enter "-1" as the amount of shares to buy, Click "Submit"
    E. Display error message

<Equivalent Class, Boundary Value>
    A. SellStock 003, Sell Stock, Severity 1
    B. Click company name on company profile page
    C. Click "Sell shares"
    D. Enter more shares than the amount the user currently owns, Click "Submit"
    E. Display error message

<Equivalent Class>
    A. SellStock 004, Sell Stock, Severity 1
    B. Click company name on company profile page
    C. Click "Sell shares"
    D. Enter "1.24" as the amount of shares to buy, Click "Submit"
    E. Display error message

<Equivalent Class>
    A. SellStock 005, Sell Stock, Severity 1
    B. Click company name on company profile page
    C. Click "Sell shares"
    D. Enter "int" as the amount of shares to buy, Click "Submit"
    E. Display error message