College Capital Manual Testing Documentation (Sprint 3)

Testing Threshold: 1 hour of testing = 4 manual tests
(Note: User should begin testing logged out of any current College Capital accounts)
(Note: Unless otherwise specified, User should always be logged in during testing)

User Story 6 (0.5 Hours): As a user, I would like to be able to split my account balance into multiple accounts.

Test Case 1
- System: Transactions.js
- Check to make sure that transaction amounts can be allocated fully among accounts.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Select a transaction to split and click "Split…" button
  - Add an account and set percentage to 100%

- **Expected Result**
  - Transaction amount should be moved entirely to the new account selected

Test Case 2
- System: Transactions.js
- Check to make sure that account balance can be split into a newly created account
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Select a transaction to split and click "Split…" button
  - Add accounts and set percentages
  - Click 'Update" button

- **Expected Result**
  - The page should load with the accounts a transaction is split into and their respective percentages
  - The respective accounts should be charged according to the percentages

User Story 10 (1 Hour): As a user, I would like to be able to visualize past spending habits.

Test Case 1
- System: pastChart.js
- Check to make sure new transactions added to the current spending timeline are not incorrectly displayed in the past.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Add a transaction from the current month
    - Navigate to Visualizations page

- **Expected Result**
    - Newly added transaction should not be displayed on the past spending graphs

Test Case 2
- System: pastChart.js
- Check to make sure new transactions added to the "past" correctly update the relevant charts
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Add a transaction from the previous month
    - Navigate to Visualizations page
    - Click "Past Spending"

- **Expected Result**
    - The charts that correspond to the newly added transactions should be correctly displayed.

Test Case 3
- System: pastChart.js
- Check to make sure that transactions in the "past" that are later modified are correctly updated in the relevant charts
- Severity: 2

- **Instructions**
  - o Go to www.collegecap.org
  - o Navigate to transactions page
  - o Modify the values of a transaction from the previous month
  - o Navigate to Visualizations page

- **Expected Result**
  - o The charts that correspond to the recently modified transactions should be correctly displayed.

Test Case 4
- System: pastChart.js
- Check to make sure that visualization is visible and contains the correct information.
- Severity: 2

- **Instructions**
  - o Go to www.collegecap.org
  - o If no transactions from the previous month exist, create some
  - o Navigate to Visualizations page
  - o Click "Past Spending"

- **Expected Result**
  - o Page should display visualization of past spending habits with the correct information.

User Story 18 (1 Hour): As a user, I would like to be able to add my own, custom spending categories.

Test Case 1
- System: categories.js
- Check to make sure that newly created spending categories are correctly stored in the database.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Click "Create Transaction"
    - Click "New Category"
    - Create a new category

- **Expected Result**
    - Database should correctly store all newly created spending categories.

Test Case 2
- System: categories.js
- Check to make sure that newly created categories are specific to the user that created them and will always be accessible to the user (unless deleted).
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Click "Create Transaction"
    - Click "New Category"
    - Create a new category
    - Log out then back in on a different account
    - Navigate to Transactions page
    - Click "Manage Categories"

- **Expected Result**
    - Users who create a new category should be the only ones able to access that category and will always be able to do so (unless deleted).

Test Case 3
- System: categories.js
- Check to make sure that categories created by a user can be deleted.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - If no categories exist, create at least one
  - Click "Manage Categories"
  - Delete a category of your choosing

- **Expected Result**
  - Deleted category should no longer be displayed, either on the page or in the database.

Test Case 4
- System: categories.js
- Check to make sure that only the user that created a new category can delete that category.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Click "Create Transaction"
  - Click "New Category"
  - Create a new category
  - Log out then back in on a different account
  - Navigate to Transactions page
  - Click "Manage Categories"

- **Expected Result**
  - Users should be unable to delete categories that they did not create themselves.

User Story 19 (1 Hour): **As a user, I would like to be able to search my previous transactions.**

Test Case 1
- System: Transaction.js
- Check to make sure that search function works as intended.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Use search function to search for a relevant transaction(s)

- **Expected Result**
    - Only transactions that match the search should be displayed.

Test Case 2
- System: Transactions.js
- Check to make sure that nothing is displayed if search function finds no matches.
- Severity: 3

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Use the search function to search for something that does not exist in the transaction table

- **Expected Result**
    - No transactions should be displayed.

Test Case 3
- System: Transactions.js
- Check to make sure that search function does not interfere with export function.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Use the search function such that only a subset of all the transaction are displayed
    - Attempt to export all transactions

- **Expected Result**
    - All transactions should be exported as usual, not just the searched subset.

Test Case 4

- System: Transactions.js
- Check to make sure sorting order is retained when searching.
- Severity: 3

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Use the search function such that only a subset (must be more than one) of all the transactions is displayed.

- **Expected Result**
    - Searched subset of transactions should retain the order in which they were previously sorted.

User Story 21 (0.5 Hours): As a user, I would like to be able to provide limits to specific spending categories.

Test Case 1
- System: catAlert.js
- Check to make sure spending limits are set correctly.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Click "Create Transaction"
  - Click "New Category"
  - Set a reasonable spending limit

- **Expected Result**
  - Upon creating of a transaction that exceeds this limit, an alert will be generated

Test Case 2
- System: catAlert.js
- Check to make sure that invalid input is not allowed.
- Severity: 3

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Click "Create Transaction"
  - Attempt to enter something other than a number into the Spending Limit field

- **Expected Result**
  - Invalid input for spending limits (i.e. not numbers) will not be accepted.

User Story 22 (1 Hour): **As a user, I would like to be able to receive alerts when I exceed my spending limitations.**

Test Case 1
- System: alerts.js
- Check to make sure that a user alert is generated when a transaction exceeds a set spending limit.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Create a transaction whose amount exceeds a previously set spending limit for the chosen category
    - Navigate to Alerts page

- **Expected Result**
    - An alert should be displayed detailing the type of alert, category, category limit, current category funds, and the amount of the transaction.

Test Case 2
- System: alerts.js
- Check to make sure that a user alert is NOT generated when a transaction does NOT exceed a set spending limit.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Create a Transaction whose amount is under a previously set spending limit for the chosen category
    - Navigate to Alerts page

- **Expected Result**
    - An alert for the new transaction should NOT be displayed.

Test Case 3
- System: alerts.js
- Check to make sure that any transactions created that exceed a set spending limit can be deleted.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions
    - Create a transaction whose amount exceeds a previously set spending limit for the chosen category
    - Navigate to Alerts page
    - Make sure alert is displayed
    - Navigate back to Transactions page
    - Attempt to delete the transaction that exceeded the spending limit

- **Expected Result**
    - The transaction should be correctly deleted

Test Case 4
- System: alerts.js
- Check to make sure that alerts related to exceeded spending limits are only generated for the corresponding accounts.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Transactions page
    - Create a transaction whose amount exceeds a previously set spending limit for the chosen category
    - Navigate to Alerts page

- **Expected Result**
    - Any transactions that exceed a spending limit should only generate an alert that corresponds to the account whose spending limit is exceeded.

User Story 26 (1 Hour): As a user, I would like to be alerted of low account balances.

Test Case 1
- System: alerts.js
- Check to make sure an alert is generated for low account balances.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Create a transaction that brings at least one account below its low balance threshold
  - Navigate to Alerts page

- **Expected Result**
  - An alert should be generated for the corresponding account

Test Case 2
- System: alerts.js
- Check to make sure an alert is NOT generated if account balance does not drop below low balance threshold.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Create a transaction that does NOT bring the corresponding account's balance below its low balance threshold
  - Navigate to Alerts page

- **Expected Result**
  - An alert should NOT be generated for the corresponding account

Test Case 3
- System: alerts.js
- Check to make sure that low balance alerts should only be generated for accounts whose balance drops below their low balance threshold.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page

- o Create a transaction that only brings one account below its respective low account balance.
- o Navigate to Alerts page

- **Expected Result**
  - o An alert should only be generated that is related to the account whose low balance threshold was exceeded

Test Case 4
- System: alerts.js
- Check to make sure that low balance alert contains all relevant information.
- Severity: 2

- **Instructions**
  - o Go to www.collegecap.org
  - o Navigate to Transactions page
  - o Create a transaction that brings any account below its low balance threshold

- **Expected Result**
  - o Alert displayed should contain the relevant account, its current amount, and the account's low balance threshold.

User Story 27 (1 Hour): As a user, I would like to be alerted of large single transaction purchases.

Test Case 1
- System: alerts.js
- Check to make sure an alert is generated if a large single transaction limit is exceeded.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Create a transaction whose amount exceeds the corresponding account's large single transaction threshold
  - Navigate to Alerts page

- **Expected Result**
  - Alert should be generated for large single transaction

Test Case 2
- System: alerts.js
- Check to make sure an alert is NOT generated if a transaction does not exceed any account's large single transaction limit.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Transactions page
  - Create a transaction whose amount is under any account's large single transaction threshold
  - Navigate to Alerts page

- **Expected Result**
  - Alert should NOT for a large single transaction.

Test Case 3
- System: alerts.js
- Check to make sure that large single transaction alerts should only be generated for accounts whose large single transaction threshold is exceeded.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org

o   Navigate to Transactions page
o   Create a transaction whose amount only exceeds one account's large single transaction limit.
o   Navigate to Alerts page

- **Expected Result**
  o   Alert should only be generated for the account whose large single transaction limit is exceeded.

Test Case 4
- System: alerts.js
- Check to make sure that large single transaction alerts contain all the relevant information.
- Severity: 2

- **Instructions**
  o   Go to www.collegecap.org
  o   Navigate to Transactions page
  o   Create a transaction whose amount exceeds any account's large single transaction limit
  o   Navigate to Alerts page

- **Expected Result**
  o   Alert should contain the relevant account, the amount of the large single transaction, and the account's large single transaction limit.

User Story 28 (1 Hour): As a user, I would like to be able to schedule regular expected payments.

Test Case 1
- System: Payments.js
- Check to make sure that scheduling functions correctly.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Payments page
  - Fill in appropriate fields with valid information then hit "Create"

- **Expected Result**
  - Scheduled transaction should be displayed below creation page.

Test Case 2
- System: PaymentFunc.js
- Check to make sure that scheduled transactions repeat on the correct interval.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Payments page
  - Fill in appropriate fields, preferably with a time that is very close to the current time
  - Wait until specified time has passed

- **Expected Result**
  - Scheduled payments should show up either on the same date for every month or on the same interval and should not disappear once the specified time has been reached.

Test Case 3
- System: Payments.js, PaymentFunc.js
- Check to make sure that scheduled transactions contain the correct, relevant information.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Payments page
  - Fill in appropriate fields with valid information then hit "Create"

- **Expected Result**
  - Scheduled transaction display should contain the title and amount of the transaction, as well as the scheduled date and time of the transaction

Test Case 4
- System: Payments.js, Transactions.js
- Check to make sure that recurring transactions are not redundantly added to the transaction table.
- Severity: 3

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Payments page
  - Fill in appropriate fields with valid information then hit "Create"

- **Expected Result**
  - Recurring transactions should not show up on the transaction table and should instead simply draw from the relevant account at the time of payment.

User Story 30 (0.5 Hours): As a user, I would like to be able to use different browsers.
Test Case 1
- System: N/A
- Check to make sure that a user's preferred browser loads the website correctly.
- Severity: 2

- **Instructions**
  - On your preferred browser (Chrome, Firefox etc.), go to www.collegecap.org

- **Expected Result**
  - Web page should display as expected.

Test Case 2
- System: N/A
- Check to make sure that website will load correctly on ANY standard web browser.
- Severity: 2

- **Instructions**
  - On any standard browser (Chrome, Firefox etc.), go to www.collegecap.org

- **Expected Result**
  - Website should load correctly on any standard web browser that the user chooses to use.

User Story 31 (0.5 Hours): As a user, I would like to be able to use different screen resolutions.

Test Case 1
- System: N/A
- Check to make sure that a web page will load at any screen resolution.
- Severity: 2

- **Instructions**
  - If possible, modify your screen's resolution to something different from your usual resolution
  - Go to www.collegecap.org

- **Expected Result**
  - Web page should display as expected.

Test Case 2
- System:
- Check to make sure that web page features are accessible regardless of webpage size.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - While the web page is active, modify the size of the browser window
- **Expected Result**
  - Webpage features should be accessible to the user regardless of window size.

User Story 43 (0.5 Hours): As a user, I would like to be able to input financial aid.

Test Case 1
- System: Financials.js
- Check to make sure that user can add support for financial aid.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Financials page
    - Click "New Financial Account"
    - Fill in form with valid information and set the category to Financial Aid

- **Expected Result**
    - Users should have the option create a special category specific to financial aid.

Test Case 2
- System: Financials.js
- Check to make sure financial aid category funds function similarly to other funds.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - If no Financial Aid fund account has been added, add one
    - Attempt manipulation of fund account with transactions as you would with a normal account

- **Expected Result**
    - All funds within the financial aid category should have the same functionalities as funds in normal categories.

User Story 44 (0.5 Hours): **As a student, I would like for my account totals to be adjusted properly after inputting financial aid.**

Test Case 1
- System: Financials.js
- Check to make sure that funds within the financial aid account are restricted to only be used on Tuition or Room & Board.
- Severity: 2

- **Instructions**
    o Go to www.collegecap.org
    o Navigate to Transactions page
    o Click "Create Transaction"
    o Attempt to create a transaction with a category titled either "Tuition" or "Room & Board" and a Financial Account of Financial Aid

- **Expected Result**
    o User should not be able use funds from the financial aid category for anything other than Tuition or Room & Board.

Test Case 2
- System: Financials.js
- Check to make sure that transactions created for Financial Aid draw strictly from that account before others.2
- Severity:

- **Instructions**
    o Go to www.collegecap.org
    o Navigate to Transactions page
    o Click "Create Transaction"
    o Create a Transaction specific to Financial Aid
    o Navigate to Financials page

- **Expected Result**
    o Any transaction created for tuition should draw funds from the financial aid account before drawing from any other accounts.

User Story 46 (0.5 Hours): As a user, I would like to be able to view public financial information about companies I have invested in.

Test Case 1
- System: Financials.js
- Check to make sure that user can use the page to search for companies.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Financials page
  - Enter a valid stock acronym into the input field
  - Click "GET STOCK SYMBOL" and search for a relevant stock

- **Expected Result**
  - The page should display information relevant to searched companies.

Test Case 2
- System: Financials.js
- Check to make sure that user can add companies that they are invested in.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Financials page
  - Click on + button, input a stock symbol, and click "Save"

- **Expected Result**
  - Page should load with the new stock symbol added in the list.

Test Case 3
- System: Financials.js
- Check to make sure that page loads with companies that user has already invested in.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Financials page

- **Expected Result**
  - Page should load with its initial contents displaying information specific to companies that the user has already invested in.

User Story 61 (1 Hour): As a user, I would like to able to login using a Gmail account.

Test Case 1

- System: SignIn.js, google.js
- Check to make sure that user can log in with an existing Gmail account.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - If logged in, log out
    - Attempt to log in with an existing Gmail account

- **Expected Result**
    - User should be able to log in with an existing Gmail account.

Test Case 2

- System: SignIn.js, google.js
- Check to make sure that, when logging in with a Gmail account whose email address is already registered to collegecap.org, a new account will NOT be created.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - If logged in, log out
    - Attempt to log in using Gmail sign in with an account that is already registered to collegecap.org

- **Expected Result**
    - A new account should not be created, and user should be logged in to previously existing account.

Test Case 3

- System: SignIn.js, google.js
- Check to make sure that, when logging in with a Gmail account whose email address is NOT already registered to collegecap.org, a new account will be created.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - If logged in, log out
    - Attempt to log in using Gmail log in with an account that is NOT already registered to collegecap.org

- **Expected Result**
  - A new account will be created.

Test Case 4
- System: SignIn.js, google.js
- Check to make sure that, when logging in with a Gmail account that does not exist, user will not be able to log in.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - If logged in, log out
  - Attempt to log in using Gmail log in with a Gmail account that does not exist

- **Expected Result**
  - User should not be able to log in.

User Story 62 (1 Hour): As a user, I would like to be able to cancel any unwanted transactions.

Test Case 1

- System: PaymentFunc.js
- Check to make sure that scheduled transactions that have not yet been paid can be cancelled.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Payments page
    - Delete an existing payment that has not currently in the process of being paid

- **Expected Result**
    - User should be able to cancel any transactions that are scheduled but have not yet been paid.

Test Case 2

- System: PaymentFunc.js
- Check to make sure the cancelled transactions are deleted from the database.
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Payments page
    - Delete an existing payment that has not currently in the process of being paid

- **Expected Result**
    - Transactions should not show up in the database after being cancelled.

Test Case 3

- System: PaymentFunc.js
- Check to make sure that funds spent for scheduled payments are not returned after deleting the payment
- Severity: 2

- **Instructions**
    - Go to www.collegecap.org
    - Navigate to Payments page
    - Delete an existing payment that has already gone through at least once

- **Expected Result**
  - Funds for the deleted payment should not be returned

Test Case 4
- System: PaymentFunc.js
- Check to make sure that cancelled transactions are removed from the UI display.
- Severity: 2

- **Instructions**
  - Go to www.collegecap.org
  - Navigate to Payments page
  - Delete any existing, displayed payment

- **Expected Result**
  - Cancelled payments should no longer be displayed on the page.