

College Capital Manual Testing Documentation

(Note: User should begin testing logged out of any current College Capital accounts)

User Story 1: As a user, I would like to be able to register for a College Capital Account.

Test Case 1

- System: SignUp.js
- Check to make sure sign up functions correctly
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to SignUp page
 - Enter valid email address and password to sign up
- **Expected Result**
 - User receives sign up verification email
 - User is redirected to their homepage

Test Case 2

- System: SignUp.js
- Check to make sure sign up only accepts valid input
- Severity: 3
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to SignUp page
 - Enter invalid characters in both email and password fields
 - Example:
 - email: abc\123
 - password: abc-++3466
- **Expected Result**
 - Sign up page prevents user from signing up
 - Sign up page displays an error corresponding to the field with the invalid characters

User Story 2: As a user, I would like to login to my College Capital account.

Test Case 3

- System: SignIn.js
- Check to make sure that a user cannot sign in with invalid information
- Severity: 3

- **Instructions**
 - Go to www.collegecap.org
 - If currently signed in, log out
 - Enter an incorrect username/password combination and attempt to sign in

- **Expected Result**
 - Page displays errors stating that an incorrect username and/or password has been input

Test Case 4

- System: SignIn.js
- Check to make sure that user is directed to their homepage after signing in
- Severity: 3

- **Instructions**
 - Go to www.collegecap.org
 - If currently signed in, log out
 - Sign in with correct relevant information

- **Expected Result**
 - User should be redirected to their homepage

User Story 3: As a user, I would like to be able to manage my College Capital account settings.

Test Case

- System: Profile.js
- Check to make sure that user cannot access profile page without being logged in
- Severity: 2

- **Instructions**
 - Go to www.collegecap.org
 - Do not log in or sign up
 - Sign out if currently signed in
 - Attempt to access Edit Profile page

- **Expected Result**
 - Profile page link should not be displayed unless user is signed in

Test Case

- System: Profile.js
- Check to make sure that user can edit account settings
- Severity: 3

- **Instructions**
 - Go to www.collegecap.org
 - Sign in if not done so already
 - Access Edit Profile page
 - Modify any of the given account settings and press UPDATE

- **Expected Result**
 - User should be redirected to homepage with a popup notifying the user of a success update.

User Story 4: As a user, I would like to be able to choose my username.

Test Case

- System: Profile.js
- Check to make sure that user can edit their username
- Severity: 2

- **Instructions**
 - Go to www.collegecap.org
 - Sign in if not done so already
 - Access Edit Profile page
 - (Username is currently just first name)

- **Expected Result**
 - User should be redirected to homepage with a popup notifying the user of a success update.

Test Case

- System:
- Check to make sure username cannot be created with invalid characters
- Severity: 3

- **Instructions**
 - Go to www.collegecap.org
 - Access Edit Profile page
 - Attempt to edit username with invalid characters

- **Expected Result**
 - An error should be displayed when attempting to update username with invalid characters.

User Story 5: As a user, I would like to be able to reset my password.

Test Case

- System: reset.js
- Check to make sure reset email is sent correctly
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to SignUp page
 - Click “Reset Password” button
 - Check for email
 - Attempt to sign back in with new email
- **Expected Result**
 - User should receive a password reset email with a link to reset their password.

Test Case

- System: SignUp.js
- Check to make sure a user cannot sign up with an email that already exists in the database
- Severity: 3
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to SignUp page
 - If user has not signed up, do so at this point
 - Attempt to sign up with user’s already used email
- **Expected Result**
 - Page displays error stating that the requested email is already in use

User Story 7: As a user, I would like to be able to monitor my current funds.

Test Case

- System: Financials.js
- Check to make sure that user can view their funds
- Severity: 2

- **Instructions**
 - Go to www.collegecap.org and sign in
 - If user has not done so already, sign up now
 - Navigate to Financials page

- **Expected Result**
 - User should be able to view all their created funds

User Story 8: As a user, I would like to be able to update my current funds.

Test Case

- System: Financials.js
- Check to make sure that user can create funds
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org and sign in
 - If user has not done so already, sign up now
 - Navigate to Financials page
 - Press the NEW FINANCIAL ACCOUNT button
 - Create a new fund by filling in the presented information and pressing CREATE
- **Expected Result**
 - User's new fund will be displayed on the page

Test Case

- System: Financials.js
- Check to make sure that user can update previously created funds
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org and sign in
 - If user has not done so already, sign up now
 - Navigate to Financials page
 - Use drop down menu to select a created fund
 - Modify values of fund
- **Expected Result**
 - Fund will display new values

User Story 9: As a user, I would like to be able to visualize my current financial status.

Test Case

- System:
- Check to make sure user's data is correctly visualized
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
- **Expected Result**
 - Users current financial status should be visualized with correct data

Test Case

- System:
- Check to make sure individual expenditures are also visualized correctly
- Severity:
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Click __ to visualize individual expenditures
- **Expected Result**
 - User's current expenditures are each individually visualized with correct data

Test Case

- System:
- Check to make sure that, when specified, only information from the specified time frame is displayed
- Severity:
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Press __ to specify time frame for data
- **Expected Result**
 - Only data from the specified time frame should be displayed

Test Case

- System:
- Check to make sure changes are registered within the correct timeframe.
- Severity:

- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Take note of visualizations, then change one of the relevant data points from the Transactions page
 - Navigate back to _ page

- **Expected Result**
 - Changes should be reflected in the visualization with the newest Transaction change

User Story 13: As a user, I would like to be able to update my transaction history.

Test Case

- System:
- Check to make sure account prompt functions correctly
- Severity: 2

- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Attempt to create a new expenditure

- **Expected Result**
 - User will be prompted to specify a financial account before creating a new expenditure

Test Case

- System:
- Check to make sure user can update their transaction history
- Severity: 2

- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Update a present transaction with valid information

- **Expected Result**
 - Updated transaction history should be correctly displayed

Test Case

- System:
- Check to make sure user's transaction history is correctly displayed
- Severity: 2

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

- **Expected Result**
 - User's transaction history should be correctly displayed

Test Case

- System:
- Check to make sure each newly added transaction is listed correctly
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to Financials page
 - Create a new transaction and navigate back to _ page
- **Expected Result**
 - Newly made transaction should be correctly listed under its corresponding financial account

Test Case

- System:
- Check to make sure changes on the front-end are reflected in the database
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Update a transaction
- **Expected Result**
 - Transaction values updated in the UI should also be updated in the database

Test Case

- System:
- Check to make sure table display functions are functioning correctly
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to Transactions page
 - Add a few transactions if there are none
 - Test various table functions (sorting, highlighting, editing)
- **Expected Result**
 - All table functions should operate as expected

User Story 14: As a user, I would like to be able to view my transaction history.

Test Case

- System:
- Check to make sure users transaction history is correctly ordered
- Severity: 2

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

- **Expected Result**
 - Users transaction history should be displayed in order with the correct values

Test Case

- System:
- Check to make sure users transaction history is correctly displayed
- Severity: 2

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

- **Expected Result**
 - User's transactions should contain all relevant information (time, amount, location, etc.)

Test Case

- System:
- Check to make sure users are given the option to delete transactions
- Severity: 2

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

- **Expected Result**
 - Transactions should also give an option to be deleted from the list, should the user decide to do so

Test Case

- System:
- Check to make sure transaction history can be reverse sorted
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to Transactions page
 - Attempt to use sort function to swap sorting order
- **Expected Result**
 - Transactions should be sorted in reverse order, by oldest transaction instead of newest.

User Story 15: I would like to be able to export my transaction history.

Test Case

- System:
- Check to make has the option to export their transaction history
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
- **Expected Result**
 - Page should display the option to export a user's transaction history

Test Case

- System:
- Check to make sure history exports correctly in CSV format
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Click EXPORT and choose CSV file type
- **Expected Result**
 - User should receive a CSV file containing their transaction history

Test Case

- System:
- Check to make sure history exports correctly in JSON format
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Click EXPORT and choose JSON file type
- **Expected Result**
 - User should receive a JSON file containing their transaction history

Test Case

- System:
- Check to make sure history exports correctly in XML format
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Click EXPORT and choose XML file type
- **Expected Result**
 - User should receive an XML file containing their transaction history

Test Case

- System:
- Check to make sure that exported history contains the correct information
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Click EXPORT and choose _ file type
 - Open file and check information
- **Expected Result**
 - Exported information should match information on the _ page

Test Case

- System:
- Check to make sure user can choose which transactions to export
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Click EXPORT and select which transactions to export, as well as the file type
- **Expected Result**
 - Exported file should contain only the specified transactions, all of which should have the correct information.

Test Case

- System:
- Check
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 -
- **Expected Result**
 -

Test Case

- System:
- Check
- Severity: 2
- **Instructions**
 - Go to www.collegecap.org
 -
- **Expected Result**
 -

User Story 16: I would like to be able to categorize my expenses.

Test Case

- System:
- Check to make sure users have the option to categorize their expenses
- Severity: 3
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Attempt to add a new expenditure
- **Expected Result**
 - When attempting to add a new expenditure, user should be presented with options for how they can categorize their expenses

Test Case

- System:
- Check to make sure any changes to expenses made by the user are also made in the database
- Severity: 3
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Modify any transaction with values different from what that transaction already contains.
- **Expected Result**
 - Changes to any transactions should be reflected in the database.

Test Case

- System:
- Check to make sure user has the option to filter their expenses
- Severity: 3
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page

- **Expected Result**
 - Page should display an option to filter expenses by any of the relevant information

Test Case

- System:
- Check to make sure filtering is implemented correctly
- Severity:
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Attempt to filter expenses by any/all of the relevant information
- **Expected Result**
 - Expenses should be correctly filtered

Test Case

- System:
- Check to make sure expense sorting works
- Severity:
- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Use the filter to attempt to sort expenses by any of the relevant information
- **Expected Result**
 - Expenses should be displayed sorted by the chosen information

User Story 32: As a user, I would like to be able to message support 24/7 when I need help with the app.

Test Case

- System:
- Check to make sure user messages send correctly
- Severity: 2

- **Instructions**
 - Go to www.collegecap.org
 - Navigate to Support Page
 - Type message and hit SEND

- **Expected Result**
 - Display message in messaging module

Test Case

- System:
- Check to make sure sent messages are visible
- Severity: 2

- **Instructions**
 - Go to www.collegecap.org
 - Navigate to Support Page

- **Expected Result**
 - User's active and past support messages should be correctly displayed

Test Case

- System:
- Check to make sure user messages are stored in the database
- Severity:

- **Instructions**
 - Go to www.collegecap.org
 - Navigate to Support Page
 - Type message and hit SEND

- **Expected Result**
 - Message should be correctly stored in database

Test Case

- System:
- Check
- Severity:
- **Instructions**
 - Go to www.collegecap.org
 -
- **Expected Result**
 -

Test Case

- System:
- Check
- Severity:
- **Instructions**
 - Go to www.collegecap.org
 -
- **Expected Result**
 -

Test Case

- System:
- Check
- Severity:
- **Instructions**
 - Go to www.collegecap.org
 -
- **Expected Result**
 -

User Story 33: As an administrator, I would like to be able to respond to support messages 24/7.

Test Case

- System:
- Check to make sure administrator receives user support messages
- Severity: 2

- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Type message and hit SEND
 - As administrator, navigate to firebase console

- **Expected Result**
 - Administrator should receive user's support message

Test Case

- System:
- Check to make sure received messages are correct
- Severity:

- **Instructions**
 - Go to www.collegecap.org
 - Navigate to _ page
 - Type message and hit SEND
 - As administrator, navigate to firebase console

- **Expected Result**
 - Received message should contain the following information:
 - Message contents
 - Sender
 - Time received
 - Options to respond

Test Case

- System:
- Check to make user receives support responses
- Severity: 2
- **Instructions**
 - Navigate to Firebase console
 - Send message to a user
- **Expected Result**
 - User should receive message from sender under the name of Support

Test Case

- System:
- Check to make sure user roles are correctly viewable by administrator
- Severity:
- **Instructions**
 - Navigate to Firebase console
 - Attempt to view a user's roles
- **Expected Result**
 - Administrator should be shown a list of groups that the user belongs to based on the user's roles.

User Story 34: As an administrator, I would like to be able to respond to support messages when the user is offline.

Test Case

- System:
- Check to make sure administrator messages can be sent to offline users
- Severity: 2

- **Instructions**
 - Navigate to Firebase console
 - Send message to user that has already sent a message to an administrator

- **Expected Result**
 - Database should store the admin response

Test Case

- System:
- Check to make sure messages sent to an offline user are stored and viewable
- Severity:

- **Instructions**
 - Navigate to Firebase console
 - Send a message to an offline user

- **Expected Result**
 - Message sent to offline user should be viewable in the database

Test Case

- System:
- Check to make sure offline users are notified of a Support message upon logging back in
- Severity:

- **Instructions**
 - Navigate to Firebase console
 - Send message to offline account
 - Log in to offline account

- **Expected Result**
 - User should be presented with a notification that they were sent a support message while they were offline.

Test Case

- System:
- Check to make sure administrators can differentiate between online and offline users
- Severity:
- **Instructions**
 - Navigate to Firebase console
 - Navigate to where user data is stored
- **Expected Result**
 - User data should contain an indicator denoting whether or not they are currently online.

User Story 35: As a user, I would like for my financial information to be encrypted at all times.

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

User Story 36: As a user, I would like for my login credentials to be encrypted at all times.

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

User Story 37: As an administrator, I would like to be able to decrypt user financial information.

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

User Story 38: As an administrator, I would like to be able to decrypt user login credentials.

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

User Story 39: As an administrator, I would like to be able to manipulate user's account data for support purposes.

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

User Story 45: As a user, I would like to be able to create memos for myself.

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -

Test Case

- System:
- Check
- Severity:

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

- **Expected Result**
 -