

Create Account

Pre-condition: The user is on the Cash Stash login screen.

1. User provides account information.
2. System validates user information.
3. System creates account.

Exceptions:

- 2a. If the account information couldn't be validated, then the user will receive an error message and ask to try again.

Post-condition: The user account is created.

Login

Pre-condition: The user is on the Cash Stash login screen.

1. User provides login information.
2. System validates user information.
3. System logs the user in.

Exceptions:

- 2a. If the account information couldn't be validated, then the user will receive an error message and ask to try again.

Post-condition: The user is logged in.

Logout

Pre-condition: The user is logged in to Cash Stash.

1. User chooses the logout option.
2. System saves any open data.
3. System logs the user out.

Exceptions:

Post-condition: The user is logged out.

Manage Profile

Pre-condition: The user is logged in to Cash Stash.

1. User chooses the manage profile option.
2. System loads the manage profile screen.
3. User edits profile information.
4. User chooses save option.
5. System saves profile information.
6. System loads the main page.

Exceptions:

- 4a. If the user chooses cancel, the system will skip step 5.

Post-condition: The user's profile is updated.

Delete Account

Pre-condition: The user is on the "Manage Profile" screen of the Cash Stash application.

1. User chooses the delete profile option.
2. System prompts the user for verification.
3. User accepts the delete profile verification.
4. System erases all data related to the user's account.
5. System loads the login screen.

Exceptions:

- 3a. If the user denies the delete profile verification, the process ends without deleting the user's profile.

Post-condition: The user's account and data no longer exists.

Link Financial Account

Pre-condition: The user is on the "Manage Profile" screen of the Cash Stash application.

1. User chooses the link financial account option.
2. System prompts the user for the account details.
3. User provides financial account details.
4. System sends account details to financial account service for authorization.
5. Financial account service authorizes the account details.
6. System syncs financial account information with Cash Stash account.

Exceptions:

- 4a. If there is information missing from the account details, the system will prompt the user to finish filling in the details.
- 6a. If the account details were not authorized, then the system will display an error message to the user and ask them to try again.

Post-condition: The user's Cash Stash account is now synced with their financial account.

Create Transaction

Pre-condition: The user is logged in to Cash Stash.

1. User chooses the create transaction option.
2. System prompts the user for the transaction details.
3. User enters transaction details.
4. User chooses save option.
5. System saves transaction.

Exceptions:

- 4a. If the transaction details are incomplete, the system will display an error message instead of saving the transaction.

Post-condition: The transaction is saved within the user's account.

Schedule Transaction

Pre-condition: The user is logged in to Cash Stash.

1. User chooses the schedule transaction option.
2. User enters transaction details.
3. User chooses save option.
4. System prompts the user for the transaction details.
5. System saves the recurring transaction.

Exceptions:

- 5a. If the transaction details are incomplete, the system will display an error message instead of saving the recurring transaction.

Post-condition: The recurring transaction is saved within the user's account.

Generate Budget Report

Pre-condition: The user is logged in to Cash Stash.

1. User chooses the create budget option.
2. System prompts the user to setup the budget settings.
3. User selects budget settings.
4. System verifies budget settings.
5. System displays the budget report.

Exceptions:

- 5a. If the budget settings could not be verified, the system will display an error message instead of creating the budget. (Such as percentages not equaling 100)

Post-condition: The budget report is displayed.

Calculate Cash Flow

Pre-condition: The user is logged in to Cash Stash

1. User chooses the calculate cash flow option.
2. System prompts the user for a timeframe.
3. User chooses a timeframe for the cash flow.
4. System calculates income and expense transactions for given timeframe.
5. System displays cash flow report.

Exceptions:

- 2a. If the account does not contain any transactions, the system will display an error message and exit the process.
- 4a. If the account doesn't contain any transactions within the given timeframe, the system will display an error message.

Post-condition: The cash flow report is displayed.

Calculate Slippage

Pre-condition: The user is logged in to Cash Stash

1. User chooses the calculate slippage option.
2. System prompts the user to choose a timeframe (monthly).
3. User chooses the timeframe for which to calculate slippage.
4. System loads budget for timeframe.
5. System loads cash flow for timeframe.
6. System displays a comparison of the budget to the actual cash flow.

Exceptions:

4a. If there isn't a budget save in the account, an error message will display to the user.

5a. If there aren't any transactions in the account, an error message will display to the user.

Post-condition: The slippage report is displayed.

Check Credit Score

Pre-condition: The user is logged in to Cash Stash and has setup credit score checking.

1. The user chooses the check credit score option.
2. System will query the credit check service for the user's credit score.
3. System displays the user's current credit score.

Exceptions:

3a. If the credit check service returns an error, the error message is displayed to the user instead.

Post-condition: The user's credit score is displayed.

Use Case Name

Pre-condition:

- 1.

Exceptions:

Post-condition:

Export Data

Pre-condition: The user is logged in to Cash Stash.

1. User chooses the export data option.
2. System prompts the user to choose a location to save the file.
3. User chooses a save location.
4. System will compile an excel document of the account transactions.
5. System sends a request to the operating system to create the excel file.

Exceptions:

2a. If the account doesn't contain any transactions, an error message will display to the user.

Post-condition: The operating system receives the create file request.

Print Data

Pre-condition: The user is logged in to Cash Stash.

1. User chooses the print data option.
2. System will send a request to the printer service to print the current window.

Exceptions:

Post-condition: The printer service receives the print request.