

# Testing Document and Specification

## Test Specification

Team 5  
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Henderson, Emily  
Subido, Zharinna

Templeton, Tim  
Aquino-Dunkin, Halena

<b>Test Case ID:</b>	1.1
<b>Title:</b>	Testing a valid user login
<b>Feature/Subfeature:</b>	Login
<b>Purpose:</b>	To ensure that a user can successfully log into the web application
<b>Initial Conditions:</b>	The user must have an existing active account
<b>Test Data:</b>	Test Data will include a valid email and password but will not be listed here for security and confidentiality reasons.
<b>Test Actions:</b>	<ol style="list-style-type: none"><li>1. Go to the main website</li><li>2. Click on the "Login" link</li><li>3. Enter the email</li><li>4. Enter the password</li><li>5. Select "login"</li></ol>
<b>Expected Results:</b>	After step 5, if a valid username and password are entered, the user will be redirected to the dashboard page

<b>Test Case ID:</b>	1.2
<b>Title:</b>	Testing an invalid user login
<b>Feature/Subfeature:</b>	Login
<b>Purpose:</b>	To ensure that only persons with established accounts can access the dashboard and use the site functionality
<b>Initial Conditions:</b>	None
<b>Test Data:</b>	Test Data will include the invalid email like test@test.com and the invalid password incorrectpassword.
<b>Test Actions:</b>	<ol style="list-style-type: none"><li>1. Go to the main website</li><li>2. Click on the "Login" link</li><li>3. Enter the email</li><li>4. Enter the password</li><li>5. Select "login"</li></ol>
<b>Expected Results:</b>	After step 5, a pop up box should appear telling the user the login was unsuccessful

<b>Test Case ID:</b>	2.1
<b>Title:</b>	Testing account creation
<b>Feature/Subfeature:</b>	Account Creation
<b>Purpose:</b>	To ensure that a user can successfully create an account.
<b>Initial Conditions:</b>	Current user must have an email address
<b>Test Data:</b>	First Name: John Last Name: Doe Email: test2.1@test.test Password: test@1234
<b>Test Actions:</b>	1. Go to the main website 2. Click on the “Open an Account” link 3. Enter the test data 4. Click the “Sign Up” button
<b>Expected Results:</b>	After step 4, the user will be redirected to the dashboard page with a welcome message

<b>Test Case ID:</b>	3.1
<b>Title:</b>	Deleting an existing account
<b>Feature/Subfeature:</b>	Account Deletion
<b>Purpose:</b>	To ensure that users can delete their Budgie account if they wish to
<b>Initial Conditions:</b>	User must have an existing account
<b>Test Data:</b>	Valid email and password (for account login)
<b>Test Actions:</b>	1. Go to the main website 2. Click on the “Login” link 3. Enter a valid email and password 4. Click on the account icon 4.
<b>Expected Results:</b>	After step ____, the user’s account will be deleted

<b>Test Case ID:</b>	4.1
<b>Title:</b>	Adding a transaction
<b>Feature/Subfeature:</b>	Transactions
<b>Purpose:</b>	To ensure that a user can add a transaction to their account

<b>Initial Conditions:</b>	User must have an existing account
<b>Test Data:</b>	Valid login information Transaction: Type: Grocery Amount: 50.00 Description: test
<b>Test Actions:</b>	1. Go to the main website 2. Click on the “Login” link 3. Enter a valid email and password 4. Enter the test data 5. Click on add transaction
<b>Expected Results:</b>	After step 5, the defined transaction should be visible in the “Transactions” section of the dashboard

<b>Test Case ID:</b>	4.2
<b>Title:</b>	Deleting transactions
<b>Feature/Subfeature:</b>	Transactions
<b>Purpose:</b>	To ensure that users can remove previously added transactions
<b>Initial Conditions:</b>	User must have an existing account with at least 1 transaction
<b>Test Data:</b>	Valid login information
<b>Test Actions:</b>	1. Go to the main website 2. Login with a valid email and password 3. Click on the red “x” next to a transaction
<b>Expected Results:</b>	After step 3, the transaction should clear and be permanently removed from the account

<b>Test Case ID:</b>	4.3
<b>Title:</b>	Editing a transaction
<b>Feature/Subfeature:</b>	Transactions
<b>Purpose:</b>	To ensure that a user can edit or update their transactions
<b>Initial Conditions:</b>	User must have an existing account with at least 1 transaction
<b>Test Data:</b>	Valid login information Transaction: Type: Utility Amount: 100.00 Description: test edit
<b>Test Actions:</b>	1. Go to the main website 2. Login with a valid email and password 3. Click on the “Edit” button next to a transaction 4. Enter the test data

	5. Click on the “Submit” button
<b>Expected Results:</b>	After step 5, the transaction data should be updated to represent the new changes

<b>Test Case ID:</b>	5.1
<b>Title:</b>	Updating user balance
<b>Feature/Subfeature:</b>	Balance Add
<b>Purpose:</b>	To manually add or remove funds from a user account
<b>Initial Conditions:</b>	User must have an existing account
<b>Test Data:</b>	Valid login information
<b>Test Actions:</b>	<ol style="list-style-type: none"> <li>1. Go to the main website</li> <li>2. Login with a valid email and password</li> <li>3. Click on the “Add” button next to the balance</li> <li>4.</li> </ol>
<b>Expected Results:</b>	After step —, the displayed balance should be updated to represent the changes

<b>Test Case ID:</b>	6.1
<b>Title:</b>	Adding a budget goal
<b>Feature/Subfeature:</b>	Goals
<b>Purpose:</b>	To allow users to create specific budgeting goals
<b>Initial Conditions:</b>	User must have an existing account
<b>Test Data:</b>	Valid login information Goal: Type: Grocery Amount: 125.00
<b>Test Actions:</b>	<ol style="list-style-type: none"> <li>1. Go to the main website</li> <li>2. Login with a valid email and password</li> <li>3. Click on the “Add” button in the goals section</li> <li>4. Enter the test data</li> <li>5. Click on “Submit”</li> </ol>
<b>Expected Results:</b>	After step 5, the goal should be displayed in the goals section of the dashboard

<b>Test Case ID:</b>	6.2
<b>Title:</b>	Deleting budgeting goals
<b>Feature/Subfeature:</b>	Goals
<b>Purpose:</b>	To ensure that users can delete their existing goals.
<b>Initial Conditions:</b>	User must have an existing account with at least 1 goal
<b>Test Data:</b>	Valid login information
<b>Test Actions:</b>	<ol style="list-style-type: none"> <li>1. Go to the main website</li> <li>2. Login with a valid email and password</li> <li>3. Click on the red “x” button next to the goal</li> </ol>
<b>Expected Results:</b>	After step 3, the goal should be removed from the dashboard and user account

<b>Test Case ID:</b>	6.3
<b>Title:</b>	Chatting with the LLM
<b>Feature/Subfeature:</b>	LLM
<b>Purpose:</b>	To ensure that users can get personalized budgeting advice
<b>Initial Conditions:</b>	User must have an existing account with at least 1 transaction
<b>Test Data:</b>	Valid login information
<b>Test Actions:</b>	<ol style="list-style-type: none"> <li>1. Go to the main website</li> <li>2. Login with a valid email and password</li> <li>3. Click on the “AI Help” link</li> <li>4. Ask the LLM for any kind of budgeting help</li> </ol>
<b>Expected Results:</b>	After step 4, the LLM will generate advice that specifically references your transaction(s)