Testing Document and Specification

Test Specification

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Test Case ID:	1.1
Title:	User Login
Feature/Subfeature:	System User Validation
Purpose:	To ensure that a user can login with their email and password. User has the option to hit the "remember me" box so their login info is saved for next time.
Initial Conditions:	User must launch the web application.
Test Data:	Test data will include all combinations of a valid/invalid email and password, i.e. a valid username and password, a valid username with an invalid password, and a random invalid username and invalid password.
Test Actions:	1. Launch application, login page shows up. 2. Type in VALID username and password. Password is masked and not visible to the user. 2a. Type in INVALID data (username or password) 3. Check the "remember me" box. 4. Click Login.
Expected Results:	After step 4, if valid information was entered, the user will be granted access to the application; if invalid information was entered, then they will not. The user's login info will be remembered for next time they log in.

Test Case ID:	1.2
Title:	User sign up
Feature/Subfeature:	Creating a new account for a user
Purpose:	Giving new users the opportunity to safely create a new account.
Initial Conditions:	User must launch the web application.
Test Data:	A valid email, password, and confirmed password will be entered. Then, invalid information will be entered.
Test Actions:	1. Hit the "Sign Sp" button below the "Login" button.

	2. Enter in a valid email, password, and the same password again in the “Confirm Password” text box. 2a. Enter in either a string that is not a valid email, or a password that does not match the password you typed in the original “Password” text box. 3. Hit “Submit”
Expected Results:	After step 3, the account should be created, and you will be taken to the home screen of the application. You can log out and log in to your account again now. If invalid information was entered, your account will not be created and you will not be able to log in.

Test Case ID:	1.3
Title:	Forgot password
Feature/Subfeature:	Sending an email to the user’s email to give them the opportunity to reset their password.
Purpose:	If a user forgets their password, they will be able to reset it.
Initial Conditions:	User launches the application.
Test Data:	Type in both a valid and invalid email.
Test Actions:	1. Below the “Login” button, hit “Forgot password” 2. Type in a valid email address 2a. Type in an invalid email address 3. Hit “Submit”
Expected Results:	After step 3, if a valid email was entered that is linked to an account, then an email will be sent to reset the password.

Test Case ID:	2.1
Title:	Dashboard Display
Feature/Subfeature:	All components of the dashboard are displayed correctly.
Purpose:	To make sure that the users see everything they need

	to/should see upon login. This is really their first impression of the application.
Initial Conditions:	User has just logged in.
Test Data:	No input needed.
Test Actions:	1. Login with a valid email and password.
Expected Results:	Immediately after a user logs in, the dashboard displays. The components that should display are as follows: Commerce Bank lettering at the top left, the logout button at the top right, “Notifications” at the top of the middle section with each of its column labels, “Transactions” right below that section with all of its column labels and rows, and finally the sections of the application listed out on the left side of the page with its scroll bar.

Test Case ID:	3.1
Title:	Transactions tab
Feature/Subfeature:	View transactions.
Purpose:	The user can have the ability to see their recent transactions.
Initial Conditions:	User is logged in successfully.
Test Data:	No input needed.
Test Actions:	1. From the dashboard/home screen, hit the “Transactions” tab on the left side of the screen.
Expected Results:	If the user has past transactions, their list of transactions will appear under the “Transactions” label. If they have no past transactions, no transactions will be displayed until they add some.

Test Case ID:	3.2
Title:	Transaction Buttons/Customization
Feature/Subfeature:	Customize transactions tab
Purpose:	The user will be able to customize the output and look of their transactions tab.
Initial Conditions:	User has hit the transactions tab.
Test Data:	Essentially click every available button on the transactions page.
Test Actions:	1. Tap each of the column headers to sort by that column, i.e. tap "ID" to sort by ID number, tap it again to sort the opposite way; tap "Date" to sort by newest to oldest, tap again to sort by oldest to newest, etc. 2. Click the search field text box and select which column you would like to search for. For this test, search for a "Type of Charge" and search credit. 3. Click one or all of the white boxes on the far left. This will give you the option to delete the transactions you selected. 4. On the bottom right of the white box, select rows per page, and change it to 10 and to 25. 5. If possible, click the right arrow on the bottom right to go to the next page of transactions. 6. Click "Add Transaction" 7. Type in the amount and where you spent it, and if it is Debit or Credit, and hit submit.
Expected Results:	There are a lot of results to go through for each of these buttons. After step 1, depending on which column header was clicked on, the transactions should be sorted by that specific column like "Date". After step 2, all transactions with the type of charge as "Credit" should be listed. After step 3, you should be able to delete the selected transactions. After step 4, if you have enough transactions, if you selected 10 per page, then there should be 10 transactions showing. After step 5, you should proceed to the next page of transactions. After step 7, your new transaction should appear on your list of transactions.

Test Case ID:	3.3
Title:	Export Transactions
Feature/Subfeature:	Export transactions to a .csv file.
Purpose:	Give the user the ability to save their transactions to a local file.
Initial Conditions:	User is viewing their transactions list.
Test Data:	No input needed.
Test Actions:	1. Click the “Export to CSV” button
Expected Results:	The transactions should’ve been exported to a .csv file, and the application will give a popup message to verify that it was exported successfully.

Test Case ID:	4.1
Title:	Notification Settings tab
Feature/Subfeature:	View/edit notifications triggers.
Purpose:	The user can see and edit their notification trigger settings.
Initial Conditions:	User is logged in.
Test Data:	No input needed.
Test Actions:	1. Click on the “Notification Settings” tab 2. Under the “Transaction” label, hit the “add” button to add a custom notification trigger. 3. Type in the desired amount for you to be notified if a transaction is over this amount. 4. Click the “active” checkbox if you want this to be an active trigger, leave it unchecked if not. 5. Hit “save” to save this setting. 6. Repeat the above steps for each of the other sections balance, description, and recurring alert.
Expected Results:	After step 1, the notification settings screen will successfully load. After step 6, for each of the sections, it will create a new notification trigger that you will be

	notified of (currently in development: receiving emails of notification triggers).

Test Case ID:	4.2
Title:	Delete notification trigger
Feature/Subfeature:	Delete one of your notification triggers.
Purpose:	If a user no longer wants to receive a type of notification, they have the option to delete one of their custom triggers.
Initial Conditions:	User is under the “notification settings” tab.
Test Data:	Click the ‘X’ button by a notification trigger.
Test Actions:	1. Click on the ‘X’ on the far right part of a notification trigger.
Expected Results:	This will delete the notification trigger so the signed in user will no longer receive notifications of this type.