Test Specifications

Commerce Bank Web Application

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Document Control

Change History

Revision	Change Date	Description of changes
V1.0	5/2/2021	Initial release

Document Storage

This document is stored in the project's Git repository at:
https://github.com/UMKC-CS451R-Spring-2021/semester-project-group-3-commerce.

Document Owner

Andrew Poitras is responsible for developing and maintaining this document.

Test Case ID:	3.1.1.1
Title:	Authenticating A User For Login
Feature/Subfeature:	User Login Validation
Purpose:	To ensure that only persons with Commerce Bank accounts are able to access the full application.
Initial Conditions:	User must have clicked on a link to, or entered the URL for the web application.
Test Data:	Test Data will include random invalid usernames and invalid passwords. Valid usernames and passwords will also be used but will not be listed here for security and confidentiality reasons.
Test Actions:	1. Go to the main website 2. Enter username and password 3. Click “Login”
Expected Results:	After Step 3, if a valid username and password are entered, then the user will be taken to their dashboard page. If an incorrect username/password combo are entered then a message will display saying that the login attempt was invalid.

Test Case ID:	4.1.1.1
Title:	Choosing Account
Feature/Subfeature:	Account Access
Purpose:	To ensure that users are able to view and select their bank account that they wish to manage.
Initial Conditions:	User must be logged into the application and click on the “Accounts” page..
Test Actions:	1. From the “Accounts” page, view the available accounts 2. Click on the desired account

Expected Results:	On step 1, only accounts connected to that user should be visible, if the user has no accounts, then no accounts should be visible. After step 2, the user should be taken to the transactions page for the selected account.

Test Case ID:	4.1.1.2
Title:	Viewing a Users Transactions for a Specific Account
Feature/Subfeature:	Transaction Access
Purpose:	To ensure that the correct transactions are displayed when a user accesses a specific account.
Initial Conditions:	User must have clicked on an account from the accounts page.
Test Data:	Test Data will include specific transactions tied to specific accounts to ensure that only the transactions for that account are being displayed.
Test Actions:	1. Click on an account form the "Accounts" page 2. Review transactions
Expected Results:	During step 2, the only transactions that should be displayed are the ones connected to the account chosen in step 1. All transactions associated with the account selected in step 1 should be displayed.

Test Case ID:	4.1.1.3
Title:	Adding a Transaction to an Account
Feature/Subfeature:	Transaction Access
Purpose:	To ensure that a user is able to add transactions to their accounts and that they display after being added.
Initial Conditions:	User must be logged in and have selected an account.

Test Data:	Test Data will include random inputs in the add transaction field including valid and invalid inputs, such as characters in a numeric field.
Test Actions:	1. Input values into the “Add Transaction” field 2. Click the “Enter” button 3. Review transactions
Expected Results:	After Step 2, if valid inputs are inserted, then the transaction will successfully display at the top of the transaction table. If invalid inputs are used, then they should not appear in the transaction table, and a message should display saying that one or more fields were invalid.

Test Case ID:	5.1.1.1
Title:	Adding Notifications Rules to an Account
Feature/Subfeature:	Adding Notification Rules
Purpose:	To ensure that users can add notification rules to their bank account(s).
Initial Conditions:	User must be logged in and have selected the notifications tab from the “Settings” page.
Test Data:	Test Data will include random inputs in the add notification setup field, including valid inputs and invalid inputs such as alphanumeric characters in a numeric field.
Test Actions:	1. Click the “Add Notification” button 2. Choose the type of notification rule 3. Fill the notification fields 4. Click the “Add” button 5. Repeat for each type of rule
Expected Results:	After Step 2, the correct fields should appear and be interactable. After step 4, if valid inputs have been used, the notification rule should be added to the specified account. If invalid inputs are used, the notification rule should not be added and the user should get a message specifying invalid input.

Test Case ID:	5.1.1.2
Title:	Deleting Notification Rules From an Account
Feature/Subfeature:	Delete Notification Rules
Purpose:	To ensure that users are able to remove the notification rules that have been set on their account.
Initial Conditions:	User must have at least one notification rule added, be logged into the application, and on the "Notifications" tab of the "Settings" page.
Test Actions:	1. Click "remove" on a notification rule 2. Repeat for each type of rule
Expected Results:	After Step 1, the user should no longer get notifications that stem from the notification rule that was deleted.

Test Case ID:	5.1.2.1
Title:	Reading Notifications
Feature/Subfeature:	View and Set Notification to "read"
Purpose:	To ensure that after the user has seen a notification, they will no longer by notified by that same instance of the notification.
Initial Conditions:	User must have a notification rule that has been triggered and not seen yet, and the user must be logged in.
Test Data:	Test Data will include specific/unique data used to setup a notification rule beforehand to ensure that the notification being read is correctly displayed.
Test Actions:	1. Trigger notification rule 2. Click on notifications "Bell" on web application 3. Review notifications

Expected Results:	After Step 2, the only notifications that should be displayed are the ones that have been triggered and not been read. After step 2, all notifications viewed should be set to “read” and no longer appear in the notification “Bell”.