

Testing Document and Specification

Test Specification

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Test Case ID:	4.1.1
Title:	New User Registration
Feature/Subfeature:	System Database Update
Purpose:	To ensure that a new user of the Commerce Bank website can successfully register as a new user to be able to login and use the website features
Initial Conditions:	User must currently be on the initial website page
Test Data:	Test Data will include new user information such as first&last names, email, password, and security question answers
Test Actions:	<ol style="list-style-type: none">1. Go to the initial website page2. Select new user registration tab in the menu bar3. Fill out information4. Select submit
Expected Results:	After the new user is registered successfully a green text saying "User has been added to the database"

Test Case ID:	4.1.2
Title:	User Login
Feature/Subfeature:	System Database Filtering
Purpose:	To ensure that a user of the Commerce Bank website can successfully login
Initial Conditions:	User must currently be on the initial website page
Test Data:	Test Data will new user information such as email and password
Test Actions:	<ol style="list-style-type: none">1. Go to the initial website page2. Select login tab in the menu bar3. Fill out information4. Select submit
Expected Results:	After the user is login successfully, the user will be taken to the homepage of the website

Test Case ID:	4.2.1
Title:	User Adding a Transaction
Feature/Subfeature:	System Database Update
Purpose:	To ensure that logged in users are able to submit valid transactions and the database will store that transaction
Initial Conditions:	A user must successfully login to the Commerce Bank Website
Test Data:	A test value and a category where the entry will be placed
Test Actions:	<ol style="list-style-type: none">1. From the menu bar select the “Add transaction” menu option2. Select a category that the value should be placed in3. Enter a value in the ‘Value’ bar4. Select the “Submit” button
Expected Results:	The database will keep track of the transaction, and a “Transaction accepted and added to transaction history” message will display

Test Case ID:	4.2.2
Title:	User viewing transaction
Feature/Subfeature:	N/A
Purpose:	To ensure that a user can successfully view their transactions and the database keeps track of the transactions
Initial Conditions:	A user must successfully login to the Commerce Bank Website
Test Data:	N/A
Test Actions:	1. From the menu bar select the “View transaction” menu option 2. User should be able to view transactions immediately
Expected Results:	All of the added transactions from the database will display in the view transactions page

Test Case ID:	4.3.1
Title:	User Loan Calculation
Feature/Subfeature:	N/A
Purpose:	To ensure that the calculations from the loan calculator are correct
Initial Conditions:	A user must successfully login to the Commerce Bank Website
Test Data:	3 values representing the loan amount, amount of time the loan is, and the interest rate. And a category that calculates the compound interest
Test Actions:	<ol style="list-style-type: none">1. From the menu bar select the “Loan Calculator” menu option2. Enter the value of the loan in the Loan amount3. Enter a value for the number of years the loan will take4. Enter a value for the interest rate5. Select the category for the Compound menu option6. Select “Enter”
Expected Results:	A correct calculation for the total amount the loan will cost after interest will be displayed.

Test Case ID:	4.4.1
Title:	User Settings Update
Feature/Subfeature:	System Database Update
Purpose:	To ensure that a user can successfully update their password in case they want to change it
Initial Conditions:	A user must successfully login to the Commerce Bank Website
Test Data:	A new potential password
Test Actions:	<ol style="list-style-type: none">1. From the menu bar select the “User Profile and Settings” menu option2. Enter a new password3. Confirm the new password4. Select the “Change password” button
Expected Results:	The database should update the password to the new password

Test Case ID:	4.5.1
Title:	User Logout
Feature/Subfeature:	N/A
Purpose:	A user must be able to successfully logout to secure private information
Initial Conditions:	A user must successfully login to the Commerce Bank Website
Test Data:	N/A
Test Actions:	1. Select the “Log Out” option
Expected Results:	The website should successfully logout after the user selects the log out option