**Testing Document and Specification**

Test Specification

Corner Club

CS 451R, Fall 2021

|  |  |  |
| --- | --- | --- |
| McNall, Wes | Halderwood, Zach | Williams, Ryan |
| Chacey, Ian | Nguyen, Jason | McNish, Colin |

|  |  |
| --- | --- |
| Test Case ID: | 4.1.1 |
| Title: | Authenticate User Creation For Online Banking Access |
| Feature/Subfeature: | System User Validation |
| Purpose: | To ensure that only persons owning an account with Commerce Bank with a valid email address can register for online banking. |
| Initial Conditions: | User must currently be on the *CornerClub.com* website and the *Register* button must be present on the current page. |
| Test Data: | Test Data will include invalid account numbers like 8675309 and 4206936. Valid account numbers will also be used but will not be listed here for security and confidentiality reasons. |
| Test Actions: | 1. Go to the main website  2. Click on the “Register” link  4. Enter email address, password, name, account number  5. Submit  6. Check email for a confirmation link, and click the link |
| Expected Results: | AAgvgghhaaa After step 6, user should be directed to a page indicating that  the email address was successfully validated. User should now be able to log in normally. |

|  |  |
| --- | --- |
| Test Case ID: | 4.1.2 |
| Title: | Authenticating A User For Login |
| Feature/Subfeature: | System User Validation |
| Purpose: | To ensure that only persons who have accounts with Commerce Bank and have previously registered for online banking may access their financial information online. |
| Initial Conditions: | User must currently be on the *CornerClub.com* website and the *Login* button must be present on the current page. |
| Test Data: | Test Data will include invalid email addresses like deadly@bunnies.com and [flesh@wound.com](mailto:flesh@wound.com) and invalid passwords such as 0rangutans and br3akfastCereal5. 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. Click on the *Login* button at the top corner  3. Enter the testing email address and password  4. Press enter or click *Login* |
| Expected Results: | If user entered invalid credentials, an error modal will appear on the page indicating that the email/password combo was not valid. If user entered valid credentials, the user will be directed to the main dashboard for their online banking. |

|  |  |
| --- | --- |
| Test Case ID: | 4.2.1 |
| Title: | Transaction Info List |
| Feature/Subfeature: | Viewing Transaction History |
| Purpose: | To ensure that valid users are able to view their account transaction history |
| Initial Conditions: | Current user must be on the *Dashboard* page, which means that they have already been authenticated as a valid user. |
| Test Data: | Already exists in database, no need to provide additional data. |
| Test Actions: | 1. From the *Dashboard* page select *History* from the main navigation area |
| Expected Results: | After step 1, a table listing the user’s transaction should appear. Navigation controls including filtering, sorting, next/prev page, adding, and downloading, should also appear. |

|  |  |
| --- | --- |
| Test Case ID: | 4.2.2 |
| Title: | Add A Transaction |
| Feature/Subfeature: | Add custom transactions |
| Purpose: | To ensure that valid users are able to submit new transactions that they would like to include in their online banking data. |
| Initial Conditions: | Current user must be on the *Dashboard* page, which means that they have already been authenticated as a valid user. |
| Test Data: | Amount: 123.45 (or any numeric value)  Description: Test description (or any alphanumeric string) |
| Test Actions: | 1. From the *Dashboard* page select *History* from the main navigation area  2. Click “+ Add” located below the title bar  3. Enter test data into the appropriate fields |
| Expected Results: | After step 3, the user should be returned to the Transaction History Table where they’ll be able to see the transaction they just added at the top of the list. |

|  |  |
| --- | --- |
| Test Case ID: | 4.2.3 |
| Title: | Deleting Custom Transactions |
| Feature/Subfeature: | Removing custom transactions from data |
| Purpose: | To ensure that users can remove transactions that were added manually |
| Initial Conditions: | Current user must be on the *Dashboard* page, which means that they have already been authenticated as a valid user. |
| Test Data: | N/A |
| Test Actions: | 1. From the *Dashboard* page select *History* from the main navigation area  2. Click “X” on the right side of the table in the row of the transaction to be deleted |
| Expected Results: | After step 2, the transaction should no longer be present in the table |

|  |  |
| --- | --- |
| Test Case ID: | 4.2.4 |
| Title: | Downloading Transactions |
| Feature/Subfeature: | Downloading user’s transaction data as .xlsx |
| Purpose: | To ensure that individuals are able to download their transaction data in Excel spreadsheet format |
| Initial Conditions: | Current user must be on the *Dashboard* page, which means that they have already been authenticated as a valid user. |
| Test Data: | N/A |
| Test Actions: | 1. From the *Dashboard* page select *History* from the main navigation area  2. Click “Download” located below the title bar |
| Expected Results: | After step 2, the user’s web browser should download an Excel (.xlsx) spreadsheet containing all transaction data on file for that user. |

|  |  |
| --- | --- |
| Test Case ID: | 4.3.1 |
| Title: | Modifying User Authentication Info |
| Feature/Subfeature: | Email/password update |
| Purpose: | To ensure that a user can change their email or password for accessing online banking. |
| Initial Conditions: | Current user must be on any secure page, *Dashboard* or otherwise, indicating they are authenticated as a valid user. |
| Test Data: | Email address: any valid email to which the user has access  Password: any string which meets minimum password criteria (guided by UI) |
| Test Actions: | 1. Click Navigation drop-down in the top right corner and select Settings  2. Click Profile settings  3. Enter test data in appropriate fields  4. Click submit  5. Check email for authentication link, click link |
| Expected Results: | After step 4, user should be directed back to the site to a page indicating that the email/password change was authenticated. |