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| **ID** | **Title** | **Preconditions** | **Steps** | **Expected Result** |
| TC001 | **Verify that a user can successfully register a new account.** | * The user must have access to the registration page of the application. | **Step 1:** Open the web browser and navigate to the application registration URL.  **Step 2:** Enter the following registration details:   1. First Name: **Mahmoud** 2. Last Name: **Sami** 3. Address: **Giza** 4. City: **Dokki** 5. State: **single** 6. Zip Code: **12345** 7. Phone: **01011419638** 8. SSN: **456** 9. Username: **MahmoudS111** 10. Password: **123456** 11. Confirm Password: **123456**   **Step 3:** Click the "Register" button to submit the registration form.  **Step 4:** Verify that the success message is displayed with the text: "Your account was created successfully. You are now logged in" . | **Result 1 :**The application registration page is displayed.  **Result 2:** All registration fields are filled with the specified details.  **Result 3**: The registration request is submitted, and a success message is displayed indicating that the account was created successfully.  **Result 4:**The success message is displayed with the correct text. |

**Note**: In the test case design, I initially listed the login functionality as the first step. However, in the automation script, I made registration the first step because, on this demo website, credentials expire after a few minutes.

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| **ID** | **Title** | **Preconditions** | **Steps** | **Expected Result** |
| TC002 | **Verify that a user can successfully log in and log out of the application.** | * The user must have a valid account on the application. | **Step 1:** Open the web browser and navigate to the application registration URL.  **Step 2:** Enter valid login credentials (username and password) and click the "Login" button.  **Step 3:** Verify that the URL includes **/parabank/overview.htm** to confirm successful login.  **Step 4:**Log out of the application. | **Result 1 :**The application registration page is displayed.  **Result 2:** The user is successfully logged in and redirected to the account overview page.  **Result 3**: The URL includes **/parabank/overview.htm**  **Result 4:**The user is successfully logged out, and the login page is displayed. |

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| ID | Title | Preconditions | Steps | **Expected Result** |
| TC003 | **Verify that a user can successfully check the account balance after logging in.** | * The user must have a valid account on the application. * The user must have at least one account with a balance. | **Step 1:** Open the web browser and navigate to the application URL.  **Step 2:** Enter valid login credentials (username and password) and click the "Login" button.  **Step 3:**  Navigate to the "Accounts Overview" page.  **Step 4:** Verify that the account balances are displayed correctly for each account.  **Step 5:** Log out of the application. | **Result 1 :**The application login page is displayed.  **Result 2:** The user is successfully logged in and redirected to the account overview page.  **Result 3**: The "Accounts Overview" page is displayed, showing a list of accounts and their balances.  **Result 4:** The account balances are displayed correctly for each account.  **Result 5 :**The user is successfully logged out, and the login page is displayed. |

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| **ID** | **Title** | **Preconditions** | **Steps** | **Expected Result** |
| TC004 | **Verify that a user can successfully open a new account after logging in.** | * The user must have a valid account on the application. | **Step 1:**Open the web browser and navigate to the application URL  **Step 2:** Enter valid login credentials (username and password) and click the "Login" button.  **Step 3:** Navigate to the "Open New Account" page and open a new account.  **Step 4:** Select the account type (e.g., Checking, Savings) and the existing account to transfer funds from.  **Step 5:** Click the "Open New Account" button to submit the request.  **Step 6:**Verify that the new account number is displayed in the confirmation message.  **Step 7:** Log out of the application.  **Step 8:** Verify that the "Log In" link is present on the login page. | **Result 1 :**The application login page is displayed.  **Result 2:** The user is successfully logged in and redirected to the account overview page.  **Result 3**: A new account is successfully opened, and the account number is displayed.  **Result 4:**The account type and existing account are selected.  **Result 5:**The request is submitted, and a confirmation message is displayed indicating that the new account was successfully opened.  **Result 6**:The new account number is displayed in the confirmation message.  **Result 7 :**The user is successfully logged out, and the login page is displayed.  **Result 8 :** The "Log In" link is present and visible on the login page. |

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| **ID** | **Title** | **Preconditions** | **Steps** | **Expected Result** |
| TC005 | **Verify that a user can successfully transfer money between accounts after logging in.** | * The user must have a valid account on the application. * The user must have sufficient balance in the source account to perform the transfer. | **Step 1:**Open the web browser and navigate to the application URL  **Step 2:** Enter valid login credentials (username and password) and click the "Login" button.  **Step 3:** Navigate to the "Open New Account" page and open a new account.  **Step 4:** Note down the new account number.  **Step 5:** Navigate to the "Transfer Funds" page  **Step 6:** Select the source account (fromAccount) and the destination account (toAccount) using the noted account number.  **Step 7:** Enter the transfer amount (e.g., 1000) and click the "Transfer" button.  **Step 8:** Verify that the transfer amount is deducted from the source account and credited to the destination account.  **Step 9:** Log out of the application. | **Result 1 :**The application login page is displayed.  **Result 2:** The user is successfully logged in and redirected to the account overview page.  **Result 3**: A new account is successfully opened, and the account number is displayed.  **Result 4:**the new account number is noted for future reference.  **Result 5:**The "Transfer Funds" page is displayed**.**  **Result 6**:The source and destination accounts are selected.  **Result 7 :**The transfer request is submitted, and a confirmation message is displayed indicating that the transfer was successful.  **Result 8 :** The transfer amount is correctly deducted from the source account and credited to the destination account.  **Result 9:**The user is successfully logged out, and the login page is displayed. |

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| **ID** | **Title** | **Preconditions** | **Steps** | **Expected Result** |
| TC006 | **Verify that a user can successfully transfer money between accounts after logging in.** | * The user must have a valid account on the application. * The user must have sufficient balance in the source account to perform the transfer. | **Step 1:**Open the web browser and navigate to the application URL  **Step 2:** Enter valid login credentials (username and password) and click the "Login" button.  **Step 3:** Navigate to the "Open New Account" page and open a new account.  **Step 4:** Note down the new account number.  **Step 5:** Navigate to the "Transfer Funds" page  **Step 6:** Select the source account (fromAccount) and the destination account (toAccount) using the noted account number.  **Step 7:** Enter the transfer amount (e.g., 1000) and click the "Transfer" button.  **Step 8:** Verify that the transfer amount is deducted from the source account and credited to the destination account.  **Step 9:** Log out of the application. | **Result 1 :**The application login page is displayed.  **Result 2:** The user is successfully logged in and redirected to the account overview page.  **Result 3**: A new account is successfully opened, and the account number is displayed.  **Result 4:**the new account number is noted for future reference.  **Result 5:**The "Transfer Funds" page is displayed**.**  **Result 6**:The source and destination accounts are selected.  **Result 7 :**The transfer request is submitted, and a confirmation message is displayed indicating that the transfer was successful.  **Result 8 :** The transfer amount is correctly deducted from the source account and credited to the destination account.  **Result 9:**The user is successfully logged out, and the login page is displayed. |

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| 1ID | Title | Preconditions | Steps | **Expected Result** |
| TC007 | **Verify that a user can successfully request a loan after logging in.** | * The user must have a valid account on the application. * The user must have sufficient balance to request a loan. | **Step 1:** Open the web browser and navigate to the application URL.  **Step 2:** Enter valid login credentials (username and password) and click the "Login" button.  **Step 3:** Navigate to the "Request Loan" page.  **Step 4:** Enter the loan amount, down payment, and select the account to which the loan should be credited.  **Step 5:** Click the "Apply Now" button to submit the loan request.  **Step 6:** Verify that the loan amount is credited to the selected account.  **Step 7:** Log out of the application. | **Result 1 :**The application login page is displayed.  **Result 2:** The user is successfully logged in and redirected to the account overview page.  **Result 3**: The "Request Loan" page is displayed.  **Result 4:**The loan request form is filled out with the specified details.  **Result 5:**The loan request is submitted, and a confirmation message is displayed indicating that the loan request has been successfully submitted.  **Result 6**:The loan amount is credited to the selected account, and the account balance is updated accordingly.  **Result 7 :**The user is successfully logged out, and the login page is displayed. |

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| ID | Title | Preconditions | Steps | **Expected Result** |
| TC008 | **Verify that a user can successfully make a bill payment after logging in.** | * The user must have a valid account on the application. * The user must have sufficient balance in the account to make the payment. | **Step 1:** Open the web browser and navigate to the application URL.  **Step 2:** Enter valid login credentials (username and password) and click the "Login" button.  **Step 3:**  Navigate to the "Bill Payment" page.  **Step 4:** Enter the following payment details:   1. Payee Name: [Enter Payee Name] 2. Address: [Enter Address] 3. City: [Enter City] 4. State: [Enter State] 5. Zip Code: [Enter Zip Code] 6. Phone: [Enter Phone Number] 7. Account: [Enter Account Number] 8. Verify Account: [Reenter Account Number] 9. Amount: [Enter Payment Amount] 10. From Account: [Select From Account]   **Step 5:** Click the "Send Payment" button to submit the payment.  **Step 6:** Verify that the payment amount is deducted from the selected account.  **Step 7:** Log out of the application. | **Result 1 :**The application login page is displayed.  **Result 2:** The user is successfully logged in and redirected to the account overview page.  **Result 3**: The "Bill Payment" page is displayed.  **Result 4:** All payment fields are filled with the specified details.  **Result 5:**The payment request is submitted, and a confirmation message is displayed indicating that the payment was successful.  **Result 6**:The payment amount is correctly deducted from the selected account, and the account balance is updated accordingly.  **Result 7 :**The user is successfully logged out, and the login page is displayed. |