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| Test of Objective | The test objective is to verify the proper functionality of the registration and login processes, ensuring correct user input handling, successful authentication, and appropriate error messages for invalid data |
| Name of user | Md Foysal Mal |
| Test Date | 23-12-2024 |
| Version | 01 |

**Test Cases for Registration Flow**

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| Test Case ID | Title | Description | Reproduce Steps | Expected Result | Actual Result | Status (Pass/Fail) | Comments |
| TC\_REG\_POS\_01 | Valid Data Entry | Test registration with valid data for all required fields. | 1. Navigate to the Registration page. 2. Fill in all required fields with valid data. 3. Submit the form. | Registration should be successful with a confirmation message. |  |  |  |
| TC\_REG\_POS\_02 | Password Matching | Test registration when the password and confirm password fields match. | 1. Enter the same value in 'Password' and 'Confirm Password'. 2. Fill in the rest of the required fields. 3. Submit the form. | Registration should proceed without errors. |  |  |  |
| TC\_REG\_POS\_03 | Unique Username | Test registration with a unique username. | 1. Use a new username for registration. 2. Fill in the required fields. 3. Submit the form. | Registration should be successful. |  |  |  |
| TC\_REG\_NEG\_01 | Empty Fields | Test registration with one or more required fields left empty. | 1. Leave required fields blank (e.g., username or address). 2. Submit the form. | Display an error message indicating required fields and prevent registration. |  |  |  |
| TC\_REG\_NEG\_02 | Password Mismatch | Test registration when the password and confirm password fields do not match. | 1. Enter different values in 'Password' and 'Confirm Password'. 2. Fill in the rest of the required fields. 3. Submit the form. | Display error message for mismatched passwords. |  |  |  |
| TC\_REG\_NEG\_03 | Duplicate Username | Test registration with an already registered username. | 1. Use a username that is already registered. 2. Fill in the required fields. 3. Submit the form. | Display error message indicating that the username is already taken. |  |  |  |
| TC\_REG\_NEG\_04 | Invalid Data Format | Test registration with invalid formats for fields like ZIP code, phone, or SSN. | 1. Enter invalid formats (e.g., '123' for name, 'abcd' for phone). 2. Fill in the rest of the fields. 3. Submit the form. | Display error message for incorrect format and prevent registration. |  |  |  |

**Test Cases for Login Flow**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Title | Description | Reproduce Steps | Expected Result | Actual Result | Status (Pass/Fail) | Comments |
| TC\_LOGIN\_POS\_01 | Valid Credentials | Test login with a valid username and password. | 1. Navigate to the Login page. 2. Enter valid credentials. 3. Click 'Log In'. | User should successfully log in and be redirected to the dashboard. |  |  |  |
| TC\_LOGIN\_NEG\_01 | Incorrect Password | Test login with a valid username but an incorrect password. | 1. Enter a valid username. 2. Enter an incorrect password. 3. Click 'Log In'. | Display error message indicating incorrect credentials. |  |  |  |
| TC\_LOGIN\_NEG\_02 | Non-existent Username | Test login with a username that does not exist in the system. | 1. Enter a username that does not exist. 2. Enter any password. 3. Click 'Log In'. | Display error message indicating the username does not exist. |  |  |  |
| TC\_LOGIN\_NEG\_03 | Empty Fields | Test login with one or more fields (username or password) left empty. | 1. Leave username or password blank. 2. Click 'Log In'. | Display error message indicating that all fields are required. |  |  |  |

**Test Environment**:

Operating System: Windows 10

Browser: Google Chrome.

**URL**: [**https://parabank.parasoft.com/parabank/index.htm**](https://parabank.parasoft.com/parabank/index.htm)