# Login to Mitigram portal flow regression test cases

Note: Test prioritizing should be done based on various factors such as critical functionality, frequently used features, security, features which have frequent defects and frequent code changes etc.

## Priority high

In this context, I have categorized test cases as high priority based on their functional impact and potential to block usability.

Test case 1: Validate the interactability of elements.

* Validate that the text fields and buttons are interactable.

Test case 2: Login with valid email and valid password

* Enter valid email and password.
* Verify that the user is successfully logged in.

Test case 3: Logout Functionality

* Log in and then log out.
* Verify that the user is successfully logged out.

Test case 4: Session timeout

* Log in and wait for the session to timeout.
* Verify that the user is prompted to log in again.

Test case 5: Browser compatibility

* Perform login tests on different browsers (e.g. Chrome, Edge, Firefox, Safari).
* Verify that the login functionality works consistently across browsers.

Test case 6: Mobile responsiveness

* Test login functionality on different devices (e.g. smartphones, tablets).
* Verify that the login page is responsive and functional on various screen sizes.

Test case 7: Security checks

* Test for SQL injection by entering SQL commands in the email or password field.
* Verify that the system handles such inputs securely.

Test case 8: Brute force attack protection (Seems like Mitigram login page does not have a lockout mechanism.)

* Test the system's response to multiple failed login attempts (e.g. lockout after a certain number of attempts).
* Verify that the lockout mechanism works as intended.

Test case 9: Reset password with valid email and go back to login page.

* Click on the "Forgot your password" link.
* Verify that the user is directed to the password recovery page.
* Enter a valid email and submit.
* Verify that the appeared text is correct and that the password recovery email has been received in the user's email.
* Verify “Back to Login” link works.
* Verify that the user can login using the password mentioned in the received email.

## Priority medium

In this context, I have categorized test cases as medium priority based on the high functional impact and no potential to block usability.

Test case 10: Login with valid email and invalid password

* Enter a valid email and an incorrect password.
* Verify that the “Invalid login attempt.” error message is displayed.

Test case 11: Login with invalid email and valid password

* Enter an incorrect email and a valid password.
* Verify that the “Invalid login attempt.” error message is displayed.

Test case 12: Login without email and valid password

* Leave the email field empty and provide a valid password.
* Verify that the “Email is required The Email field is not a valid e-mail address.” error message is displayed.

Test case 13: Login with valid email and without password

* Provide a valid email and leave the password field empty.
* Verify that the “Password is required” error message is displayed.

Test case 14: Login with invalid email format and valid password

* Enter an invalid email format (e.g. missing “@” symbol) and a valid password.
* Verify that the “The Email field is not a valid e-mail address.” error message is displayed.

Test case 15: Reset password without email

* Leave the email field empty.
* Verify that the “Please fill out this field.” error message is displayed.

Test case 16: Validate contact us link redirects to the Contact us page

* Click the Contact us link.
* Verify that the user is directed to the Contact us page.

Test case 17: Click “I already have an account” from reset password page

* Click the “I already have an account” link.
* Verify that the user is directed to the login page.

## Priority low

In this context, I have categorized test cases as low priority based on the low functional impact.

Test case 18: Validate static content/text (It's better to validate static content/text at lower layers of the test pyramid.)

* Validate that the appearance, texts, fields, and images on the login page are correct.

Test case 19: Login with invalid email and invalid password

* Enter an incorrect email and an incorrect password.
* Verify that the “Invalid login attempt.” error message is displayed.

Test case 20: Login with invalid email and without password

* Enter an incorrect email and leave the password field empty.
* Verify that the “Password is required” error message is displayed.

Test case 21: Login without email and invalid password

* Leave the email field empty and provide an incorrect password.
* Verify that the “Email is required The Email field is not a valid e-mail address.” error message is displayed.

Test case 22: Login without email and without password

* Leave the email field and password field empty.
* Verify that the “Email is required The Email field is not a valid e-mail address.” error message is displayed.

Test case 23: Login with invalid email format and invalid password

* Enter an invalid email format (e.g. missing “@” symbol) and an incorrect password.
* Verify that the “The Email field is not a valid e-mail address.” error message is displayed.

Test case 24: Login with invalid email format and without password

* Enter an invalid email format (e.g. missing “@” symbol) and leave the password field empty.
* Verify that the “The Email field is not a valid e-mail address.” error message is displayed.

Test case 25: Validate apps store link redirects to the apps store

* Click on the App Store image on the login page.
* Verify that the user is directed to the App Store Mitigram app page.

Test case 26: Validate play store link redirects to the play store

* Click on the Play Store image on the login page.
* Verify that the user is directed to the Play Store Mitigram app page.

Test case 27: Reset password with invalid email format

* Enter an invalid email format (e.g. missing “@” symbol).
* Verify that the “Please include an '@' in the email address. 'typed text' is missing an '@'.” error message is displayed.
* Enter an invalid email format with “@” (e.g. missing "gmail.com").
* Verify that the “Please enter a part following '@'. 'typed\_text@' is incomplete.” error message is displayed.