

Here are 5 **positive** and 5 **negative** test case scenarios for **login functionality**:

**Positive Test Case Scenarios:**

**1. Test Case 1: Valid Username and Password**

- **Precondition:** User has a valid account.
- **Test Steps:**
  1. Open the login page.
  2. Enter a valid username (e.g., user@example.com).
  3. Enter a valid password (e.g., Password123).
  4. Click the "Login" button.
- **Expected Result:** User should be logged in successfully and redirected to the dashboard.

**2. Test Case 2: Remember Me Functionality**

- **Precondition:** User has a valid account.
- **Test Steps:**
  1. Open the login page.
  2. Enter a valid username and password.
  3. Check the "Remember Me" checkbox.
  4. Click the "Login" button.
- **Expected Result:** User should be logged in successfully, and the next time they visit the page, the username field should be pre-filled.

**3. Test Case 3: Login with Case-Insensitive Username**

- **Precondition:** User has a valid account with a username in mixed case (e.g., User@example.com).
- **Test Steps:**
  1. Open the login page.
  2. Enter the username in any case (e.g., USER@EXAMPLE.COM).
  3. Enter the correct password.

4. Click the "Login" button.

- **Expected Result:** User should be able to log in successfully regardless of case sensitivity in the username.

#### 4. Test Case 4: Login with Valid Credentials on Different Browsers

- **Precondition:** User has a valid account.
- **Test Steps:**
  1. Open the login page on Chrome.
  2. Enter valid username and password.
  3. Click the "Login" button.
- **Expected Result:** User should be logged in successfully on Chrome. Repeat steps on Firefox, Safari, and Edge.
- **Expected Result:** User should be logged in successfully across all browsers.

#### 5. Test Case 5: Login after Password Reset

- **Precondition:** User has reset their password using the password recovery option.
- **Test Steps:**
  1. Open the login page.
  2. Enter the valid username.
  3. Enter the new password.
  4. Click the "Login" button.
- **Expected Result:** User should be logged in successfully with the new password.

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### Negative Test Case Scenarios:

#### 1. Test Case 1: Invalid Username

- **Precondition:** User does not have an account with the entered username.
- **Test Steps:**
  1. Open the login page.
  2. Enter an invalid username (e.g., invaliduser@example.com).

3. Enter a valid password.
4. Click the "Login" button.
- **Expected Result:** Login attempt should fail, and an error message like "Invalid username or password" should be displayed.

## 2. Test Case 2: Invalid Password

- **Precondition:** User has a valid account.
- **Test Steps:**
  1. Open the login page.
  2. Enter a valid username.
  3. Enter an incorrect password (e.g., wrongpassword).
  4. Click the "Login" button.
- **Expected Result:** Login attempt should fail, and an error message like "Invalid username or password" should be displayed.

## 3. Test Case 3: Empty Username and Password Fields

- **Precondition:** None.
- **Test Steps:**
  1. Open the login page.
  2. Leave both the username and password fields empty.
  3. Click the "Login" button.
- **Expected Result:** An error message should appear indicating that both fields are required.

## 4. Test Case 4: Login with Locked Account

- **Precondition:** User account has been locked due to multiple failed login attempts.
- **Test Steps:**
  1. Open the login page.
  2. Enter the locked account's username.

3. Enter the correct password.
4. Click the "Login" button.
- **Expected Result:** Login attempt should fail, and a message like "Your account is locked" should be displayed.

#### 5. Test Case 5: Login with Expired Credentials

- **Precondition:** User's credentials have expired (e.g., expired password).
  - **Test Steps:**
    1. Open the login page.
    2. Enter the expired username and password.
    3. Click the "Login" button.
  - **Expected Result:** Login attempt should fail, and an error message should inform the user to reset their password.
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These are some typical **positive** and **negative** test scenarios for a login functionality. You can adjust them based on the actual business rules and application flow in your project.

Here are **5 positive** and **5 negative** test case scenarios specifically for the **login functionality** on the **Papa John's** website:

#### Positive Test Case Scenarios:

##### 1. Test Case 1: Valid Username and Password

- **Precondition:** User has a valid account on the Papa John's website.
- **Test Steps:**
  1. Open the Papa John's login page (<https://www.papajohns.com/account>).
  2. Enter a valid email (e.g., user@example.com) as the username.
  3. Enter a valid password (e.g., Password123).
  4. Click the "Sign In" button.
- **Expected Result:** User should be logged in successfully and redirected to the homepage/dashboard.

## 2. Test Case 2: Remember Me Functionality

- **Precondition:** User has a valid account on the Papa John's website.
- **Test Steps:**
  1. Open the Papa John's login page.
  2. Enter a valid username and password.
  3. Check the "Remember Me" checkbox.
  4. Click the "Sign In" button.
- **Expected Result:** User should be logged in successfully, and the next time they visit the page, their username and password should be pre-filled.

## 3. Test Case 3: Login with Case-Insensitive Email

- **Precondition:** User has a valid account with an email in mixed case (e.g., user@PapaJohns.com).
- **Test Steps:**
  1. Open the Papa John's login page.
  2. Enter the username in a different case (e.g., USER@PAPAJOHNS.COM).
  3. Enter the correct password.
  4. Click the "Sign In" button.
- **Expected Result:** User should be logged in successfully, regardless of the case sensitivity in the email address.

## 4. Test Case 4: Login from Different Browsers

- **Precondition:** User has a valid account on the Papa John's website.
- **Test Steps:**
  1. Open the Papa John's login page on Google Chrome.
  2. Enter valid username and password.
  3. Click the "Sign In" button.
- **Expected Result:** User should be logged in successfully on Chrome. Repeat steps on Firefox, Safari, and Edge.

- **Expected Result:** User should be logged in successfully across all browsers.

#### 5. Test Case 5: Login after Password Reset

- **Precondition:** User has reset their password using the "Forgot Password" functionality.
  - **Test Steps:**
    1. Open the Papa John's login page.
    2. Enter the valid email address.
    3. Enter the new password.
    4. Click the "Sign In" button.
  - **Expected Result:** User should be logged in successfully with the new password.
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#### Negative Test Case Scenarios:

##### 1. Test Case 1: Invalid Username

- **Precondition:** User does not have an account with the entered email address.
- **Test Steps:**
  1. Open the Papa John's login page.
  2. Enter an invalid email address (e.g., invaliduser@papajohns.com).
  3. Enter a valid password.
  4. Click the "Sign In" button.
- **Expected Result:** Login attempt should fail, and an error message like "Invalid email address or password" should be displayed.

##### 2. Test Case 2: Invalid Password

- **Precondition:** User has a valid account on the Papa John's website.
- **Test Steps:**
  1. Open the Papa John's login page.
  2. Enter a valid email address (e.g., user@papajohns.com).
  3. Enter an incorrect password (e.g., wrongpassword).

4. Click the "Sign In" button.

- **Expected Result:** Login attempt should fail, and an error message like "Invalid email address or password" should be displayed.

### 3. Test Case 3: Empty Username and Password Fields

- **Precondition:** None.
- **Test Steps:**
  1. Open the Papa John's login page.
  2. Leave both the email and password fields empty.
  3. Click the "Sign In" button.
- **Expected Result:** An error message should appear indicating that both fields are required.

### 4. Test Case 4: Login with Locked Account

- **Precondition:** User's account has been locked due to multiple failed login attempts.
- **Test Steps:**
  1. Open the Papa John's login page.
  2. Enter the locked account's email address.
  3. Enter the correct password.
  4. Click the "Sign In" button.
- **Expected Result:** Login attempt should fail, and a message like "Your account is locked" should be displayed.

### 5. Test Case 5: Login with Expired Credentials

- **Precondition:** User's credentials have expired (e.g., expired password).
- **Test Steps:**
  1. Open the Papa John's login page.
  2. Enter the email address and expired password.
  3. Click the "Sign In" button.

- **Expected Result:** Login attempt should fail, and an error message should inform the user to reset their password.
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