

How to write Test Cases for Registration and Login Page

Writing test cases (which is a key affair for a tester in application testing) requires experience and a keen eye for detail to build scenarios. Hence, an application tester should focus on creating a set of variables or conditions which will help him to determine whether the software meets requirements and functions flawlessly. I reduce that hassle, I have compiled a list of use case you need to test a signup or login page.

Hope it will help you to create more error-free signup/login page for you.

Before We Start

You should gather all the customer requirements you can. The list of requirements which can be useful are:-

*" This Article Explains
Everything You Need To Test
A Login/Signup Page 😊. "*

Registration Form having following fields:-

1. FirstName
2. LastName
3. UserName
4. Email Id
5. Password
- 6 Confirm Password
7. Address
8. PhoneNumber
9. Gender

— Required fields are:

1. EmailId
2. UserName
3. Password
4. Confirm Password

— Validation for fields:

1. Email
2. Password: It should have alphanumeric, Length should be 8 to 32
3. PhoneNumber: Phone Number should have only Numbers, Country code is required

— **After successful Verification email should send to the user**

— **On Required fields * should show**

Now, let's begin with our test cases.

Although most of the testers use bugzilla to maintain test cases, you can also use excel or spreadsheet. Have a look at this article to learn how to [maintain test cases in excel sheets](#)

Test case for registration page

signup page and login page by assuming some client requirements such as:-

- Username and password are mandatory fields
- There is a cancel and reset button at the bottom of the form
- Radio buttons and checkboxes are placed correctly
- The limit of Password should be 8-13 characters (alphanumeric).

Sr. No.	Test Cases	Feature	Description	Steps To Execute	Test Data/Input
1	TC-001	User Interface	Check all the text boxes, radio	1. Click on Radio buttons,	

			buttons, buttons etc	buttons and dropdowns	
2	TC-002	Required fields	Check the required fields by not filling any data	1. Do not enter any value in the field 2. Click on Signup button	Nil
3	TC-003	Required fields	Check the required fields by filling the data	1. Enter valid values in required fields 2. Click on Signup button	Nil
4	TC-004	Optional fields	Check all the optional field when do not fill data	1. Do not enter any detail in optional fields	Nil

				2. Enter valid data in required fields 3. Click on Signup button	
5	TC-005	Optional fields	Check all the optional field when fill data	1. Enter valid data in optional fields 2. Enter valid data in required fields 3. Click on Signup button	Nil
6	TC-006	Email validation	— Check the Email text field that has	1. Enter Invalid Emails 2. Click on	1. testAtgmail.com 2. test@gmailcom

			<p>Email address without @ symbol.</p> <p>— Check the Email text field that has random string instead of real email.</p> <p>— Check the Email text field that has @ symbol written in words.</p> <p>— Check the Email text field that has missing dot in the email address.</p>	<p>Signup Button</p>	<p>3. test@gmail</p> <p>4. @gmail</p>
7	TC-007	Email validation	Check all the valid emails	<p>1. Enter Valid Emails</p> <p>2. Click on Signup Button</p>	<p>1. test@192.168.1.1.0</p> <p>2. test@gmail.com</p>

8	TC-008	Phone Number validation	Check the phone number when pass alphanumeric data	1. Enter alphanumeric data in phone field 2. Click on signup button	1. dada5\$7567#7
9	TC-009	Phone Number validation	Check the phone number when not pass country code	1. Enter valid phone number without country code 2. Click on signup button	1. 9012078654
10	TC-010	Phone Number validation	Check the phone number when pass country code	1. Enter valid phone number with country code 2. Click on signup button	1. +9190112244
11	TC-011	Password validation	Check the password limit when	1. Enter value which is alphanumeric but less than	1. Passwo

			enter value less than min	8 2. Click on signup button	
12	TC-012	Password validation	Check the password limit when enter value greater than max	1. Enter value which is alphanumeric but less more than 32 2. Click on signup button	1. redhatisgood434adasdasdasd3243dsadadsad432423
13	TC-013	Password validation	Check the password when pass only numbers	1. Enter value in numbers which is in between 8-32 2. Click on signup button	1. 12345678
14	TC-014	Password validation	Check the password when pass valid data	1. Enter value in alphanumeric which is in between 8-32 2. Click on	1. Pass123456

signup
button

Test case for login page

Sr. No.	Test Cases	Check Item	Test Case Objective	Steps To Execute	Expected Results
1	TC-001	User Interface	Check all the text boxes, and buttons	Check page	<ul style="list-style-type: none"> — UI should be perfect — Text boxes and button should be aligned
2	TC-002	User Login	Check When pass invalid user name	<ol style="list-style-type: none"> 1. Enter invalid username 2. Enter correct password 3. Click on Login Button 	User should not login and should show proper error message
3	TC-003	User Login	CheckWhen pass correct username and invalid password	<ol style="list-style-type: none"> 1. Enter valid username 2. Enter incorrect password 3. Click on Login Button 	User should not login and should show proper error message
4	TC-004	User Login	Check Keeping Password blank	<ol style="list-style-type: none"> 1. Enter valid username 	User should not login and should show proper error

				2. Do not enter password 3. Click on Login Button	message
5	TC-005	User Login	Check when pass correct email and password	1. Enter valid username 2. Enter valid password 3. Click on Login Button	— User should login
6	TC-006	User Login	Check if password is entered in encrypted form	1. Enter valid username 2. Enter password 3. Click on Login Button	Password is entered in encrypted form
7	TC-007	Signup Option for new users	Check whether the signup link for new user is working	Click Signup link	Clicking signup link takes user to signup page successfully

You need to think like an end-user for writing the best test cases and getting different scenarios of what will happen in real circumstances. If you install this creativity and perceive the product with the eyes of an end-user, you will be certainly near to create an error-free application.

Be a perfectionist. Happy Testing!

Also Read:

- **[Test Cases For Your E-commerce Payment Gateway Page](#)**
- **[Top Factors To Watch Out While Writing Test Cases For UI](#)**

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About tanupriya

Tanupriya is the Quality Analyst Engineer at LoginRadius. Her passion lies in delivering high performance quality software quickly and efficiently. Moreover she also enjoys the cooking and outing in free time.