

Login System Test Plan - Sample

Overview

This is a sample test plan for the Login System. It includes test cases designed to validate whether the system meets the functional requirement:

REQ-001

"The system must allow valid users to log in using their email and password. Invalid login attempts must be rejected with a clear error message."

Test Cases

Test Case ID	Requirement ID	Test Title	Objective	Preconditions	Test Steps	Expected Result	Priority	Owner
TC-001	REQ-001	Valid login	Verify login succeeds for valid user credentials	User has valid account	1. Enter valid email 2. Enter valid password 3. Click login	User is successfully logged in	High	QA Team
TC-002	REQ-001	Invalid email id and/or password	Verify login fails with incorrect email id and/or password	User has valid account	1. Enter valid/invalid email 2. Enter correct/wrong password 3. Click login	Error: "Invalid username or password"	High	QA Team
TC-003	REQ-001	Invalid email format	Verify login fails for improperly formatted email	None	1. Enter malformed email 2. Enter any password 3. Click login	Error: "Invalid email format"	Medium	QA Team
TC-004	REQ-001	Blank fields	Verify login fails when email and/or	None	1. Leave email and/or password	Error: "Email and password	High	QA Team

I have improved the test case id TC-002 which was previously pointing out the failure of incorrect email address or wrong password as just wrong password, whereas that test case can fail due to incorrect but valid email address as well. After fixing that issue, now the test title, objective and test steps perfectly align with the expected result. Besides, I have added a test case related to too many failed attempts case testing. The test case table was precisely crafted with considering almost all scenarios except alternative way to login. If the user forgets password, then, the system should allow user to login with alternative ways which will reduce hassle for the user. To strengthen QA readiness for login security as well as user's comfort should be kept in mind.

Test Case ID	Requirement ID	Test Title	Objective	Preconditions	Test Steps	Expected Result	Priority	Owner
			password fields are blank		blank 2. Click login	cannot be blank"		
TC-005	REQ-001	Case sensitivity	Verify password field is case-sensitive	User has known password with case	1. Enter valid email 2. Enter password in wrong case 3. Click login	Error: "Invalid username or password"	Medium	QA Team
TC-006	REQ-001	Lock system	Verify system locked out the user for 30 minutes after 5 consecutive failed attempts	User has access to the registered email account	1. Enter valid email 2. Enter incorrect password 3. Click login 4. Repeat the steps for 4 more times	Error: Too many failed attempts, wait 30 minutes to try again	Medium	QA Team

Traceability Matrix

Requirement ID	Requirement Description	Test Case ID	Test Case Description	Status
REQ-001	Login and error handling logic	TC-001	Valid login using credentials	Not started
REQ-001	Login and error handling logic	TC-002	Invalid password	Not started
REQ-001	Login and error handling logic	TC-003	Invalid email format	Not started
REQ-001	Login and error handling logic	TC-004	Blank fields	Not started

I have improved the test case id TC-002 which was previously pointing out the failure of incorrect email address or wrong password as just wrong password, whereas that test case can fail due to incorrect but valid email address as well. After fixing that issue, now the test title, objective and test steps perfectly align with the expected result. Besides, I have added a test case related to too many failed attempts case testing. The test case table was precisely crafted with considering almost all scenarios except alternative way to login. If the user forgets password, then, the system should allow user to login with alternative ways which will reduce hassle for the user. To strengthen QA readiness for login security as well as user's comfort should be kept in mind.

Requirement ID	Requirement Description	Test Case ID	Test Case Description	Status
REQ-001	Login and error handling logic	TC-005	Case sensitivity	Not started
REQ-001	Login and error handling logic	TC-006	Locked system for too much failed attempts	Not started

I have improved the test case id TC-002 which was previously pointing out the failure of incorrect email address or wrong password as just wrong password, whereas that test case can fail due to incorrect but valid email address as well. After fixing that issue, now the test title, objective and test steps perfectly align with the expected result. Besides, I have added a test case related to too many failed attempts case testing. The test case table was precisely crafted with considering almost all scenarios except alternative way to login. If the user forgets password, then, the system should allow user to login with alternative ways which will reduce hassle for the user. To strengthen QA readiness for login security as well as user's comfort should be kept in mind.