

Test cases for logging into a banking application:

Test Case ID	Test Scenario	Steps to Execute	Expected Result
TC001	Valid login	<ul style="list-style-type: none">• Open the banking application.• Enter a valid username and password.• Click on the “Login” button.	User is successfully logged into the account.
TC002	Invalid credentials	<ul style="list-style-type: none">• Open the banking application.• Enter a valid username and an incorrect password.• Click on the “Login” button.	Error message: “Invalid username or password”.
TC003	Empty fields	<ul style="list-style-type: none">• Open the banking application.• Leave both username and password fields empty or blank.• Click on the “Login” button.	Error message: “The username and password field are empty”.
TC004	Password field masking	<ul style="list-style-type: none">• Open the banking application.• Enter a password in the password field.	Password is masked.
TC004	Session timeout	<ul style="list-style-type: none">• Log in to the banking application.• Rermain idle for 15 minutes.	User is logged out automatically.

Test cases for validating the password reset functionality of an e-commerce platform:

Test Case ID	Test Scenario	Steps to Execute	Expected Result
TC101	Valid email for password reset	<ul style="list-style-type: none">Go to the e-commerce platform.Click "Forgot Password".Enter a valid registered email.	A password reset email is sent the the user.
TC102	Invalid email address	<ul style="list-style-type: none">Go to the e-commerce platform.Click "Forgot Password".Enter an unregistered email.	Error message: "Email not found".
TC103	Blank email field	<ul style="list-style-type: none">Go to the e-commerce platform.Click "Forgot Password".Leave the email field blank.	Error message: "Email field cannot be empty".
TC104	Password reset link expiry	<ul style="list-style-type: none">Go to the e-commerce platform.Request a password reset.Attempt to use the link after 24 hours.	Error message: "Link has expired. Request a new link."
TC105	Successful password update	<ul style="list-style-type: none">Go to the e-commerce platform.Request a password reset.Open the reset link from email.Enter a new valid password.	Password is updated successfully.

Sample Bug Report

Bug ID: BUG001

Title: Submit Button Not Responding

Date: 01/01/2020

Description:

When a user clicks on the 'Submit' button on the form, no action occurs. The button appears unresponsive, and the form is not submitted, resulting in a poor user experience.

Steps to Reproduce:

1. Open the application or website.
2. Navigate to the page containing the form.
3. Fill out all the mandatory fields.
4. Click on the 'Submit' button.

Expected Result:

Upon clicking the 'Submit' button, the form should be submitted, and the user should receive a success message or acknowledgment.

Actual Result:

No action occurs when the 'Submit' button is clicked. The form remains static, and no confirmation or error message is displayed.

Assigned To: ABC

Severity: Critical

Priority: High

How to Test an Elevator: Positive and Negative Test Cases

Positive Test Cases:

These verify the elevator works as intended under normal conditions.

Test Case: Selecting a floor using the button panel

Steps:

Press a floor button inside the elevator.

Expected Result:

The button lights up, and the elevator moves to the selected floor.

Test Case: Door operation when reaching a floor

Steps:

Select a floor. Wait for the elevator to reach it.

Expected Result:

The doors automatically open and close at the selected floor.

Test Case: Overload alarm functionality

Steps:

Load the elevator beyond its maximum weight capacity.

Expected Result:

An alarm is triggered, and the elevator does not move.

Test Case: Emergency stop button

Steps:

Press the emergency stop button while the elevator is in motion.

Expected Result:

The elevator stops immediately and remains stationary until reset.

Test Case: Floor indicator display

Steps:

Select multiple floors sequentially.

Expected Result:

The display shows the current floor as the elevator moves.

Test Case: Power recovery after an outage

Steps:

Simulate a power outage while the elevator is between floors. Restore power.

Expected Result:

The elevator resumes operation or moves to the nearest floor.

Negative Test Cases:

These test edge cases, errors, and unexpected conditions.

Test Case: Pressing multiple floor buttons simultaneously

Steps:

Press all floor buttons in quick succession.

Expected Result:

The elevator queues requests in the correct order without errors.

Test Case: Operating the elevator with no power

Steps:

Attempt to operate the elevator during a simulated power outage.

Expected Result:

The elevator remains non-operational, and the emergency light/backup power activates.

Test Case: Door obstruction detection

Steps:

Block the door with an object while it is closing.

Expected Result:

The door stops closing, reverses direction, and remains open until the obstruction is removed.

Test Case: Operating with an expired safety inspection certificate

Steps:

Attempt to operate an elevator with an expired certificate.

Expected Result:

The elevator does not function and displays a maintenance message.

Test Case: Elevator skipping floors due to a mechanical fault

Steps:

Trigger a fault that simulates floor skipping.

Expected Result:

The elevator halts operation and displays an error.

Test Case: Overweight bypass

Steps:

Exceed the weight limit and attempt to move the elevator by force (e.g., tampering).

Expected Result:

The elevator remains stationary, and an alarm is triggered.