

IT-314 Software Engineering

Black Box Testing

Sign up(new account):

Input Fields:

- email field:
 - Must not accept blank inputs.
 - Should enforce email format (e.g., user@example.com for email-based Signups).
 - Email id should not be already registered.
 - Name:
 - -Should not be empty.
 - -Maximum 30 characters.
 - Password field:
 - Must not accept blank inputs.
 - Should have a minimum 8 characters.
 - Minimum 1 uppercase character.
 - Minimum 1 lowercase character.
 - Minimum 1 digit should be present.
 - Should handle special characters .
 - Must mask characters while typing.
 - If Show password is selected the characters should be visible
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- Signup with valid credentials should succeed and show a pop up for it
 - Signup with invalid username/email or password should fail and show an appropriate error message.
 - Case sensitivity for username/email and password should be verified (e.g., "Password123" vs. "password123").
 - Verify proper error messages (e.g., generic "Invalid email id" or "Password incorrect").
 - If the user was already logged in in the previous session, the user should be logged in already.

Test Case ID	Email	Name	Password	Expected Outcome
SU_TC_01	Blank	Valid (≤30 chars)	Valid	A dialogue Box appears stating: "Please Fill Out This Field"
SU_TC_02	Invalid format	Valid	Valid	Error: "Invalid email format."
SU_TC_03	Already registered	Valid	Valid	Error: "Email is already registered."
SU_TC_04	Valid	Blank	Valid	A dialogue Box appears stating: "Please Fill Out This Field"
SU_TC_05	Valid	Exceeds 30 characters	Valid	No inputs allowed after 30 characters
SU_TC_06	Valid	Valid	Blank	A dialogue Box appears stating: "Please Fill Out This Field"
SU_TC_07	Valid	Valid	<8 characters	Error: "Password must be at least 8 characters long."
SU_TC_08	Valid	Valid	No uppercase character	Error: "Password must contain at least one uppercase character."
SU_TC_09	Valid	Valid	No lowercase character	Error: "Password must contain at least one lowercase character."
SU_TC_10	Valid	Valid	No digit	Error: "Password must contain at least one digit."
SU_TC_11	Valid	Valid	Valid but no special char	Error: "Password must contain at least one special character"
SU_TC_12	Valid	Valid	Valid (masked during entry)	A pop up displays: "Account created Successfully"
SU_TC_13	Valid	Valid	Valid (show password toggled)	A pop up displays: "Account created Successfully"
SU_TC_14	Invalid format	Blank	Valid	Error: "Invalid email format" and "Name cannot be blank."
SU_TC_15	Blank	Blank	Blank	A dialogue Box appears stating: "Please Fill Out This Field"