Project Name	ChatPP Application
Test Designed By	Kartik Sharma
Test Designed Date	3-13-2025
Test Executed By	Kartik Shrama
Test Executed Date	3-13-2025

Test Case ID	Module	Testing Type	Test Description	Pre-Conditions	Test Steps	Test Data	Expected Result	Actual Result	Status	Priority
TC_001	Signup	Functional Testing	Verify successful signup with valid credentials	User must not have an existing account	1. Navigate to the signup page 2. Enter valid details 3. Click on Sign Up	Valid Name, Email, Password, Confirm Password	User should be signed up successfully	Same as a Expected Result	PASS	High
TC_002	Signup	Functional Testing	Validate required fields	None	1. Navigate to signup page 2. Leave required fields blank 3. Click Sign Up	Blank fields	Error messages should appear for required fields	Same as a Expected Result	PASS	High
TC_003	Signup	Functional Testing	Verify email format validation	None	1. Navigate to signup page 2. Enter invalid email formats 3. Click Sign Up	Invalid emails (e.g., user@com, user.com)	System should display email validation error	Accept Invalid Email	FAIL	Medium
TC_004	Signup	Functional Testing	Check password strength validation	None	1. Enter weak passwords (short/without special characters) 2. Click Sign Up	Weak passwords (123456, password)	System should prompt for strong password	Just Accept 8 Digit password	FAIL	High
TC_005	Signup	Functional Testing	Verify duplicate email restriction	Email already registered	1. Enter an already registered email 2. Click Sign Up	Existing email	System should display error	Same as a Expected Result	PASS	High
TC_006	Signup	Functional Testing	Check special characters in name fields	None	1. Enter special characters in Name fields 2. Click Sign Up	Invalid name (e.g., @John)	System should display validation error	Accept Invalid Name	FAIL	Medium
TC_007	Signup	UI Testing	Verify password masking	None	1. Enter password 2. Check if it is hidden by default	Any password	Password should be masked	Same as a Expected Result	PASS	Low
TC_008	Signup	UI Testing	Validate page responsiveness	None	1. Open signup page on various screen sizes	Different devices	Page should be responsive	Same as a Expected Result	PASS	Medium
TC_009	Signup	Functional Testing	Verify field character limits	None	1. Enter data exceeding character limits	Long names, emails	System should enforce limits	Accept Invalid Name	FAIL	Medium
TC_010	Signup	Functional Testing	Check sign-up button behavior	None	1. Try signing up with incomplete details	Incomplete fields	Sign Up button should be disabled	Same as a Expected Result	PASS	Medium
TC_011	Signup	Performance Testing	Verify signup flow with slow network	Slow internet	1. Perform signup process on slow network	Valid details	Signup should complete with a delay	Same as a Expected Result	PASS	Medium
TC_012	Signup	Functional Testing	Validate email confirmation after signup	Email verification enabled	1. Complete signup 2. Check for confirmation email	Valid email	Confirmation email should be received	Not Receive any Email from the site	FAIL	High
TC_013	Signup	Functional Testing	Verify account activation via email	Email verification enabled	1. Click activation link in email	Valid activation link	Account should activate	NA	FAIL	High
TC_014	Signup	Negative Testing	Check error handling for backend failures	Server down	1. Try signing up	Any input	Proper error message should be displayed	NA	NULL	High

TC_015	Signup	Functional Testing	Validate social media signup	Social login enabled	1. Click Google/Facebook signup	Social login	User should be able to sign up	Not Avaiable	NULL	Medium
TC_016	Signup	Security Testing	Verify SQL injection vulnerability	None	1. Enter SQL queries in input fields	OR '1'='1	System should prevent SQL injection	NA	NULL	High
TC_017	Signup	Security Testing	Verify XSS vulnerability	None	1. Enter scripts in input fields	alert('XSS')	System should prevent script execution	NA	NULL	High
TC_018	Signup	Functional Testing	Validate reCAPTCHA (if applicable)	reCAPTCHA enabled	1. Try signing up without completing reCAPTCHA	No reCAPTCHA	System should prevent signup	Not Found any reCAPTCHA	FAIL	Medium
TC_019	Signup	Functional Testing	Verify session timeout	Session-based signup	1. Stay idle on signup page for long duration	Valid details	System should prompt for a session refresh	NA	NULL	Medium
TC_020	Signup	Compatibility Testing	Verify browser compatibility	None	1. Open signup page on different browsers	Chrome, Firefox, Edge	Signup should work correctly	Same as a Expected Result	PASS	High
TC_021	Login	Functional Testing	Verify successful login with valid credentials	User must be registered	1. Open login page 2. Enter valid email & password 3. Click Login	Valid email & password	User should be logged in successfully	Same as a Expected Result	PASS	High
TC_022	Login	Functional Testing	Verify login with invalid credentials	User must be registered	1. Open login page 2. Enter invalid email/password 3. Click Login	Invalid email/password	Error message should appear	Same as a Expected Result	PASS	High
TC_023	Login	Functional Testing	Validate required fields in login	None	1. Open login page 2. Leave fields empty 3. Click Login	Blank fields	Error messages should be displayed	Same as a Expected Result	PASS	High
TC_024	Login	Security Testing	Verify password masking in login field	None	1. Open login page 2. Type password in the field	Any password	Password should be masked	Same as a Expected Result	PASS	Medium
TC_025	Login	Functional Testing	Verify "Forgot Password" functionality	User must be registered	1. Open login page 2. Click "Forgot Password" 3. Enter email 4. Click Submit	Valid email	Reset password email should be received	Not Found any forget link	FAIL	High
TC_026	Login	Performance Testing	Verify login under slow network conditions	User must be registered	1. Open login page 2. Enter valid credentials 3. Click Login	Valid email & password	User should be logged in after some delay	Same as a Expected Result	PASS	Medium
TC_027	Dashboard	UI Testing	Validate dashboard responsiveness	User must be logged in	1. Open dashboard on multiple devices/screens	Any user	Dashboard should be properly displayed	Same as a Expected Result	PASS	Medium
TC_028	Dashboard	Functional Testing	Verify logout functionality	User must be logged in	1. Open dashboard 2. Click logout button	Any user	User should be logged out & redirected to login page	Same as a Expected Result	PASS	High
TC_029	Dashboard	Security Testing	Validate session expiration after inactivity	User must be logged in	1. Log in to dashboard 2. Stay inactive for a set period	Any user	User should be logged out automatically	No Any action in 2hr	FAIL	Medium
TC_030	Profile	Functional Testing	Verify profile update	User must be logged in	1. Open profile page 2. Edit details 3. Click Save	Updated profile details	Profile should be updated successfully	Same as a Expected Result	PASS	High

	TC_031	Profile	Functional Testing	Validate profile picture upload	User must be logged in	1. Open profile page 2. Upload image 3. Click Save	Valid image file	Profile picture should be updated	Same as a Expected Result	PASS	Medium
	TC_032	Profile	Functional Testing	Verify email update	User must be logged in	1. Open profile page 2. Change email 3. Click Save	New valid email	Email should be updated after verification	Functionality Not Availble to change Email	FAIL	High
	TC_033	Profile	Functional Testing	Verify password change	User must be logged in	1. Open profile page 2. Enter old & new password 3. Click Save	Old password, new password	Password should be updated successfully	Functionality Not Availble to change Password	FAIL	High
	TC_034	Search	Functional Testing	Verify search functionality	None	1. Open search bar 2. Enter search term 3. Click Search	Valid search term	Relevant results should be displayed	Same as a Expected Result	PASS	High
	TC_035	Search	Functional Testing	Validate search with no results	None	1. Open search bar 2. Enter invalid term 3. Click Search	Random text	No results should be displayed with proper message	No Action Perform	FAIL	Medium
	TC_036	Search	Performance Testing	Verify search speed	None	1. Open search bar 2. Enter term 3. Click Search	Any valid term	Search results should appear within 2 seconds	Same as a Expected Result	PASS	High
	TC_037	Create Group	UI Testing	Verify its Visible	None	1. Navigate to Dashboard 2. Check Create Group	None	Create Group is Visible in homepage	Same as a Expected Result	PASS	High
	TC_038	Create Group	Functional Testing	Verify Create Group	User must be logged in	1. Navigate to Dashboard 2. Click Create Group	None	Redirect to create group pop	Same as a Expected Result	PASS	High
	TC_039	Create Group	Functional Testing	Verify Create Group Name Section	User must be logged in	1. Navigate to Dashboard 2. Click Create Group 3.Write group Name	Valid Data(e.g. DATA HANDLE)	Accept	Same as a Expected Result	PASS	High
	TC_040	Create Group	Functional Testing	Verify Create Group Name Section with Invalid	User must be logged in	1. Navigate to Dashboard 2. Click Create Group 3.Write group Name	Invalid Data(e.g. 12e2#$%)	Getting an Error of the Name	Accept the name with invalid data	FAIL	High
	TC_041	Create Group	Functional Testing	Verify Create Group Name Section with Empty	User must be logged in	1. Navigate to Dashboard 2. Click Create Group 3.Write group Name	Empty	Getting an Error of the Name	Same as a Expected Result	PASS	High
	TC_042	Create Group	Functional Testing	Verify Create group Add User Section with Valid	User must be logged in	1. Navigate to Dashboard 2. Click Create Group 3.Add User	Valid Data(e.g.Kartik)	Getting an user profile to add	Same as a Expected Result	PASS	High
	TC_043	Create Group	Functional Testing	Verify Create group Add User Section with Empty	User must be logged in	1. Navigate to Dashboard 2. Click Create Group 3.Add User	Empty	Getting an Error of the Name	Same as a Expected Result	PASS	High
	TC_044	Create Group	Functional Testing	Verify Create group Add User Section with Invalid	User must be logged in	1. Navigate to Dashboard 2. Click Create Group 3.Add User	Invalid Data(e.g.djhsjch)	Getting an Error of the Name	Same as a Expected Result	PASS	High
	TC_045	Group Chat	Functional Testing	Verify emoji section	User must be logged in	1. Navigate to Dashboard 2. Click Create Group section 3.Open an Random group maded	None	Open Emojii bar	Not open	FAIL	High
	TC_046	Notifications	Functional Testing	Verify notification settings	User must be logged in	1. Open notification settings 2. Enable/disable options 3. Save changes	Any user	Changes should be saved successfully	Not Avaiable	FAIL	Medium

	TC_047	Notifications	Functional Testing	Verify real-time notifications	User must be logged in	1. Perform action that triggers a notification	Any user	Notification should appear in real-time	Same as a Expected Result	PASS	High
	TC_048	Admin Panel	Functional Testing	Verify admin can view user list	Admin user must be logged in	1. Open admin panel 2. Navigate to user list	Admin user	List of registered users should be displayed	NA	NULL	High
	TC_049	Admin Panel	Functional Testing	Verify admin can suspend users	Admin user must be logged in	1. Open admin panel 2. Select user 3. Suspend account	Any user	User should be suspended	NA	NULL	High
	TC_050	Admin Panel	Functional Testing	Verify role-based access control	Multiple users with different roles must exist	1. Log in with different roles 2. Try accessing admin features	Regular user, admin	Only admins should access admin features	NA	NULL	High
	TC_051	Security	Security Testing	Verify SQL injection prevention	None	1. Enter SQL query in input fields 2. Submit	SQL query	System should not be vulnerable to SQL injection	NA	NULL	High
	TC_052	Security	Security Testing	Verify XSS attack prevention	None	1. Enter JavaScript script in input fields 2. Submit	JavaScript script	System should not execute injected scripts	NA	NULL	High
	TC_053	Security	Security Testing	Verify CSRF attack prevention	None	1. Attempt CSRF attack using unauthorized request	CSRF attempt	System should block unauthorized requests	NA	NULL	High
	TC_054	Performance	Performance Testing	Verify system response time	None	1. Perform various actions 2. Measure response time	Any user	System should respond within expected limits	Same As Expected Result	PASS	High
	TC_055	Compatibility	Compatibility Testing	Verify website works across browsers	None	1. Open website on Chrome, Firefox, Edge, Safari	Any user	Website should function correctly on all supported browsers	Same As Expected Result	PASS	High