

Test Case ID	Test Case Name	Precondition	Test Steps	Test Data	Expected Result	Actual Result	Status
TC001	Verify user registration with valid data	1. User is on the registration page.	1. Enter valid username, email, password, and confirm password. 2. Click 'Register'.	Username: validUser Email: valid@mail.com Password: validPassword123	User successfully registers and is redirected to the profile page.	as expected	pass
TC002	Verify error message for invalid email during registration	1. User is on the registration page.	1. Enter a valid username, password, and invalid email. 2. Click 'Register'.	Username: validUser Email: invalidemail Password: validPassword123	An error message 'Please enter a valid email address' is displayed, and registration is not allowed.	as expected	pass
TC003	Verify login with valid credentials	1. User has registered. 2. User is on the login page.	1. Enter valid username and password. 2. Click 'Login'.	Username: validUser Password: validPassword123	User successfully logs in and is directed to the homepage.	as expected	pass
TC004	Verify password recovery using email	1. User is on the login page. 2. User has forgotten the password.	1. Click 'Forgot Password'. 2. Enter a registered email address. 3. Click 'Submit'.	Email: registered@mail.com	A password reset link is sent to the registered email address.	as expected	pass
TC005	Verify profile picture upload	1. User is logged in. 2. User is on the profile page.	1. Click 'Upload Profile Picture'. 2. Select a valid image file. 3. Click 'Upload'.	Image: profilepic.jpg	The profile picture should be uploaded and displayed on the user's profile.	as expected	pass
TC006	Verify posting a status update	1. User is logged in. 2. User is on the	1. Click on the 'What's on your mind' text	Status: 'Enjoying the day!'	The status update should be posted and displayed on	as expected	pass

		homepage .	box. 2. Enter text. 3. Click 'Post'.		the user's timeline.		
TC007	Verify liking a post	1. User is logged in. 2. User has posts visible on the timeline.	1. Scroll to a post. 2. Click 'Like'.	Post: 'Happy Weekend!'	The post should be liked, and the like count should increase.	as expected	pass
TC008	Verify commenting on a post	1. User is logged in. 2. A post is available for commenting.	1. Scroll to a post. 2. Click 'Comment'. 3. Enter a comment. 4. Click 'Submit'.	Comment: 'Great post!'	The comment should be posted, and it should appear under the original post.	as expected	pass
TC009	Verify sending a friend request	1. User is logged in. 2. A potential friend profile is visible.	1. Navigate to a user's profile. 2. Click 'Send Friend Request'.	Friend Profile: frienduser	The friend request should be sent, and a notification should be sent to the recipient.	as expected	pass
TC010	Verify accepting a friend request	1. User has received a friend request. 2. User is on the notifications page.	1. Navigate to notifications. 2. Click 'Accept' on the friend request.	Request: frienduser	The friend request should be accepted, and both users should now be friends.	as expected	pass
TC011	Verify blocking a user	1. User is logged in. 2. User wants to block another user.	1. Navigate to the other user's profile. 2. Click 'Block User'.	User: unwanteduser	The selected user should be blocked, and they should not be able to interact with the blocker's account.	as expected	pass
TC012	Verify sending a private message	1. User is logged in. 2. User has friends in the contact list.	1. Navigate to the 'Messages' section. 2. Select a friend. 3. Enter a message.	Message: 'Hey, how are you?'	The private message should be sent successfully and appear in the chat history.	as expected	pass

			4. Click 'Send'.				
TC013	Verify receiving a private message	1. User is logged in. 2. A friend has sent a message.	1. Navigate to 'Messages'. 2. Check for new messages. 3. Open the message.	Message: 'I'm good, how about you?'	The received message should appear in the inbox, and the user should be notified.	as expected	pass
TC014	Verify searching for a user	1. User is logged in. 2. User wants to search for another user.	1. Enter the username in the search bar. 2. Click 'Search'. 3. Check the search results.	Search term: frienduser	The search results should display the matching user profiles.	as expected	pass
TC015	Verify reporting an inappropriate post	1. User is logged in. 2. An inappropriate post is visible.	1. Scroll to the post. 2. Click 'Report'. 3. Select a reason. 4. Click 'Submit'.	Post: inappropriate post	The report should be submitted, and a confirmation should be displayed to the user.	as expected	pass