Project Name	Twitter/X	
Test Designed by	Rohit Kumar Tamta	
Test Designed Date	15-11-2024	
Test Executed by	Rohit Kumar Tamta	
Test Executed Date	15-11-2024	

Test Scenario	Test Case ID	Test Type	Test Description	Pre-requisite	Test Steps	Test Data	Expected Output	Actual Output	Status
Sign in & Authentication	TC001	Functional Testing	Verify the Sign in page is accessible and displays Sign in fields.		1. Visit - https://x.com/ 2. Click on sign in button 3. Verify Sign in page is visible or not	NULL	The Sign in page should load correctly with the Required fields (username, password).	The Sign in page should load correctly with the Required fields (username, password).	Pass
	TC002	Functional Testing	Verify Sign in functionality with valid credentials.		1. Visit - https://x.com/ 2. Click on login button 3. Verify Sign in page is visible or not 4. Enter email id 5. Enter Password 6. Click on continue	Rohit.tamta144473@gmail.com Tamta@123	The user should be able to log in successfully with Valid credentials.	The user should be able to log in successfully with Valid credentials.	Pass
	TC003	Negative Testing	Verify login failure with incorrect credentials and displays an Error message.		1. Visit - https://x.com/ 2. Click on login button 3. Verify Sign in page is visible or not 4. Enter Invalid email id 5. Enter Password 6. Click on continue	Rohit.tamta144473@mail.com Tamta@123	An error message should appear when incorrect Credentials are entered.	An error message should appear when incorrect Credentials are entered.	Pass
	TC004	Usability Testing	Verify the "Forgot Password" link works and redirects to the Password reset page.		1. Visit - https://x.com/ 2. Click on Sign in button 3. Click on forget password 4. Enter email id 5. confirm your username 6. Create new password	Rohit.tamta144473@gmail.com Rohittamtaa Rohit@123	Clicking the "Forgot Password" link should redirect To the password reset page.	Clicking the "Forgot Password" link should redirect To the password reset page.	Pass
	TC005	Functional Testing	Verify the "Sign Up" button redirects to the sign-up page.		1. Visit - https://x.com/ 2. Click on Sign up button 3. Verify Sign Up page is visible or not		Clicking the "Sign Up" button should redirect to the Sign-up page.	Clicking the "Sign Up" button should redirect to the Sign-up page.	Pass
	TC006	Functional Testing	Verify new user registration with valid data.		1. Visit - https://x.com/ 2. Click on Sign up button 3. Fill out all mandatory fields with valid data (e.g., name, email, password). 4. Click the "Sign Up" button. 5. Verify redirection to the confirmation page or welcome screen.	Rohit.tamta14473@gmail.com Rohittamtaa@123	The user should be able to register successfully With valid data.	The user should be able to register successfully With valid data.	Pass
	TC007	Validation Testing	Verify email validation works during user registration.		1. Visit - https://x.com/ 2. Click on Sign up button 3. Enter an invalid email (e.g., invalidemail.com) in the email input field. 4. Verify an error message appears (e.g., "Please enter a valid email address").	Rohit.tamta14473@ail.com Rohittamtaa@123	An error message should appear if the email Format is invalid during registration.	An error message should appear if the email Format is invalid during registration.	Pass
	TC008	Negative Testing	Verify user registration failure with invalid data.		1. Visit - https://x.com/ 2. Click on Sign up button 3. Leave mandatory fields blank or enter invalid data (e.g., short password). 4. Click the "Sign Up" button. 5. Verify error messages are displayed for the invalid fields.	Rohit.tamta14473@ail.com Rohittamtaa@123	The registration should fail and display an Appropriate error message when invalid data is Entered.	The registration should fail and display an Appropriate error message when invalid data is Entered.	Pass
Navigation & Links	TC009	Functional Testing	Verify the "Home" link in the Navbar is clickable and redirects to the Homepage.		1. Visit - https://x.com/ 2. Sign in to the application. 3. Click on the "Home" link in the Navbar. 4. Verify redirection to the homepage. 5. Check that the timeline is visible.	NULL	Clicking the "Home" link should redirect the user to The homepage.	Clicking the "Home" link should redirect the user to The homepage.	Pass
	TC010	Functional Testing	Verify the "Profile" link in the Navbar is clickable and redirects to the User profile page.		1. Visit - https://x.com/ 2. Sign in to the application. 3. Click on the "Profile" link in the Navbar. 4. Verify redirection to the user's profile page. 5. Check that the profile details (e.g. name,bio,tweets) are displayed	NULL	Clicking the "Profile" link should redirect to the User's profile page.	Clicking the "Profile" link should redirect to the User's profile page.	Pass
	TC011	Functional Testing	Verify the "Notifications" link in the Navbar is clickable and redirects to Notifications page.		Sign in to the application. Click on the "Notifications" link in the Navbar. Verify redirection to the notifications page. Ensure the list of notifications is displayed.	NULL	Clicking the "Notifications" link should redirect to The notifications page.	Clicking the "Notifications" link should redirect to The notifications page.	Pass
	TC012	Functional Testing	Verify the "Messages" link in the Navbar is clickable and redirects to the Messages page.		Sign in to the application. Click on the "Messages" link in the Navbar. Verify redirection to the messages page. Check that the list of conversations is displayed.	NULL	Clicking the "Messages" link should redirect to the Messages page.	Clicking the "Messages" link should redirect to the Messages page.	Pass
	TC013	Functional Testing	Verify the "Explore" link in the Navbar is clickable and redirects to the Explore page.		Sign in to the application. Click on the "Explore" link in the Navbar. Verify redirection to the explore page. Ensure trending topics and search results are displayed.	NULL	Clicking the "Explore" link should redirect to the Explore page.	Clicking the "Explore" link should redirect to the Explore page.	Pass
	TC014	Functional Testing	Verify the "Grok" (AI chatbot) link in the Navbar is clickable and works		Sign in to the application. Click on the "Grok" link in the Navbar. Verify the chatbot UI is displayed. Type a message and verify the chatbot responds appropriately.	NULL	Clicking the "Grok" (AI chatbot) link should open And work as expected.	Clicking the "Grok" (AI chatbot) link should open And work as expected.	Pass
	TC015	Functional Testing	Verify the "More" link in the Navbar is clickable and expands the Options menu.		Sign in to the application. Click on the "More" link in the Navbar. Verify that additional menu options are displayed.	NULL	Clicking the "More" link should expand and display Additional options in the menu.	Clicking the "More" link should expand and display Additional options in the menu.	Pass

	TC016	Functional Testing	Verify the Navbar logo redirects to the homepage.		Sign in to the application. Click on the logo in the Navbar. Verify redirection to the homepage.	NULL	Clicking the Navbar logo should redirect the user To the homepage.	Clicking the Navbar logo should redirect the user To the homepage.	Pass
	TC017	Functional Testing	Verify the "Accounts" link in the Navbar is clickable and Sign in with Different account and log out option is visible		Sign in to the application. Click on the "Accounts" link in the Navbar. Verify "Sign in with Different Account" and "Log Out" options are displayed.	NULL	Clicking the "Accounts" link should show the Options to sign in with a different account and log Out.	Clicking the "Accounts" link should show the Options to sign in with a different account and log Out.	Pass
Profile Management	TC018	Functional Testing	Verify profile information (name, bio, profile picture) loads correctly.		Sign in to the application. Navigate to the profile page by clicking on the "Profile" link in the Navbar. Verify that the profile name, bio, and profile picture are visible and accurate.	NULL	User profile information (name, bio, picture) Should be visible.	User profile information (name, bio, picture) Should be visible.	Pass
	TC019	Usability Testing	Verify the "Edit Profile" button is clickable and opens the edit profile modal.		Navigate to the profile page. Click on the "Edit Profile" button. Verify the edit profile modal or page is displayed. Ensure editable fields for name, bio, and profile picture are present.	NULL	Edit profile modal should open.	Edit profile modal should open.	Pass
	TC020	Functional Testing	Verify the user can update their profile picture via the edit profile option.		Open the "Edit Profile" modal. Upload a new profile picture using the file upload feature. Save changes. Verify the profile picture is updated on the profile page.	NULL	Profile picture should update after change.	Profile picture should update after change.	Pass
	TC021	Functional Testing	Verify the user can update their bio in the edit profile section.		Open the "Edit Profile" modal. Edit the bio field with new text. Save changes. Verify the updated bio is displayed on the profile page.	Aspiring SDET	The bio should update and reflect the changes.	The bio should update and reflect the changes.	Pass
	TC022	Functional Testing	Verify the "Followers" and "Following" counts are accurate and clickable.		Navigate to the profile page. Verify the numbers under "Followers" and "Following" match the actual count. Click on each count and verify redirection to the respective list of followers or following.	NULL	The followers and following counts should be Accurate and clickable to view lists.	The followers and following counts should be Accurate and clickable to view lists.	Pass
	TC023	Functional Testing	Verify the user's tweet count on the profile page updates correctly.		Post a new tweet. Refresh the profile page. Verify the tweet count increases by one.	NULL	The "Tweets & Replies" tab should display only The correct tweets.	The "Tweets & Replies" tab should display only The correct tweets.	Pass
	TC024	Functional Testing	Verify the "Follow/Unfollow" button functions properly on the profile page.		Navigate to a user's profile page. Click the "Follow" button. Confirm the button changes to "Unfollow." Click the "Unfollow" button. Confirm it changes back to "Follow."	NULL	Button should toggle between "Follow" and "Unfollow" correctly.	Button should toggle between "Follow" and "Unfollow" correctly.	Pass
	TC025	Functional Testing	Verify the user can successfully log out from their profile.		Click the profile picture or menu. Select "Log Out." Verify the user is redirected to the login page.	NULL	User should be logged out and redirected to Login page.	User should be logged out and redirected to Login page.	Pass
Tweet Functionality	TC026	Functional Testing	Verify user can post a tweet successfully.		Click the "Tweet" button. Enter text and click "Post." Verify the tweet appears on the timeline.	NULL	The tweet should appear in the timeline.	The tweet should appear in the timeline.	Pass
	TC027	Negative Testing	Verify user cannot post a tweet without text (error message).		Click the "Tweet" button. Leave the text box empty and click "Post." Verify an error message is displayed.	NULL	An error message should be displayed for empty Tweets.	An error message should be displayed for empty Tweets.	Pass
	TC028	Functional Testing	Verify user can post a tweet with an image or video.		Click the "Tweet" button. Attach an image or video and click "Post." Verify the media appears in the tweet.	NULL	The tweet should include the image/video and be Posted successfully.	The tweet should include the image/video and be Posted successfully.	Pass
	TC029	Functional Testing	Verify the "Like" button can be clicked and increments the like count.		Navigate to a tweet. Click the "Like" button. Verify the like count increments.	NULL	The like count should increase when the like Button is clicked.	The like count should increase when the like Button is clicked.	Pass
	TC030	Functional Testing	Verify the "Retweet" button works and increments the retweet count.		Navigate to a tweet. Click the "Retweet" button. Verify the retweet count increments.	NULL	The retweet count should increase when the Retweet button is clicked.	The retweet count should increase when the Retweet button is clicked.	Pass
	TC031	Functional Testing	Verify the "Reply" button under a tweet opens a reply field.		Navigate to a tweet. Click the "Reply" button. Verify a reply text box appears.	NULL	The reply field should open under the tweet.	The reply field should open under the tweet.	Pass
	TC032	Functional Testing	Verify the "Share" button under a tweet works and allows sharing.		Navigate to a tweet. Click the "Share" button. Verify sharing options are displayed.	NULL	The share option should be triggered successfully.	The share option should be triggered successfully.	Pass
	TC033	Functional Testing	Verify the "Delete" button works and removes the tweet from the timeline.		Navigate to a user-posted tweet. Click the "Delete" button. Verify the tweet disappears from the timeline.	NULL	The tweet should be deleted and no longer visible On the timeline.	The tweet should be deleted and no longer visible On the timeline.	Pass
	TC034	Functional Testing	Verify the "Hashtags" in tweets are clickable and navigate to search results.		Navigate to a tweet containing a hashtag. Click on the hashtag. Verify that the user is navigated to the search results for the hashtag.	NULL	Clicking on hashtags should navigate to the search Results for that hashtag.	Clicking on hashtags should navigate to the search Results for that hashtag.	Pass
Search Functionality	TC035	Functional Testing	Verify the search bar is present and functional.		Confirm the search bar is visible on the page. Enter a keyword or phrase in the search bar. Press Enter. Verify that search results related to the entered keyword are displayed.	Engineer	The search bar should be visible and functional.	The search bar should be visible and functional.	Pass
	TC036	Functional Testing	Verify the search results for a hashtag.		Enter a hashtag (e.g., #Test) in the search bar. Press Enter. Verify that the search results include tweets containing that hashtag.	#Movie	Hashtags should return relevant search results.	Hashtags should return relevant search results.	Pass
	TC037	Functional Testing	Verify the search results for a user.		Enter a username in the search bar. Press Enter. Verify that the search results show user profiles related to the searched username.	Ritikkundra	The search results should show the correct user Profiles.	The search results should show the correct user Profiles.	Pass
	TC038	Functional Testing	Verify the search results for a specific tweet.		Enter specific tweet text in the search bar. Press Enter. Verify that the search results include the tweet with the exact text.	NULL	The search should return the tweet matching the Search query.	The search should return the tweet matching the Search query.	Pass
	TC039	Functional Testing	Verify the search shows suggested users after typing a keyword.		Begin typing a keyword in the search bar. Wait for the suggested user list to appear. Verify that suggested users related to the keyword are displayed.	NULL	The search should show relevant user suggestions Based on input.	The search should show relevant user suggestions Based on input.	Pass
Cross-Browser	TC040	Compatibility Testing	Verify the website works on Google Chrome.		Open the website in Google Chrome. Verify all functionality works as expected, including buttons, forms, and interactions	NULL	The website should function properly in Google Chrome.	The website should function properly in Google Chrome.	Pass
	TC041	Compatibility Testing	Verify the website works on Mozilla Firefox.		Open the website in Mozilla Firefox. Verify all functionality works as expected, including buttons, forms, and interactions.	NULL	The website should function properly in Mozilla Firefox.	The website should function properly in Mozilla Firefox.	Pass
	TC042	Compatibility Testing	Verify the website works on Edge.		Open the website in Microsoft Edge. Verify all functionality works as expected, including buttons, forms, and interactions.	NULL	The website should function properly in Edge.	The website should function properly in Edge.	Pass

Footer Links	TC043	Functional Testing	Verify the "Terms of Service" link in the footer redirects to the terms of Service page.		Scroll to the footer of the page. Click the "Terms of Service" link. Verify that the user is redirected to the terms of service page	NULL	The terms of service page should load correctly.	The terms of service page should load correctly.	Pass
	TC044	Functional Testing	Verify the "Privacy Policy" link in the footer redirects to the privacy policy Page.		Scroll to the footer of the page. Click the "Privacy Policy" link. Verify that the user is redirected to the privacy policy page.	NULL	The privacy policy page should load correctly.	The privacy policy page should load correctly.	Pass
	TC045	Functional Testing	Verify the "Cookie Policy" link in the footer redirects to the cookie Policy page.		Scroll to the footer of the page. Click the "Cookie Policy" link. Verify that the user is redirected to the cookie policy page.	NULL	The cookie policy page should load correctly.	The cookie policy page should load correctly.	Pass
	TC046	Functional Testing	Verify the "Accessibility" link in the footer redirects to the accessibility page.		Scroll to the footer of the page. Click the "Accessibility" link. Verify that the user is redirected to the accessibility page.	NULL	The accessibility page should load correctly.	The accessibility page should load correctly.	Pass
	TC047	Functional Testing	Verify the "Ads Info" link in the footer redirects to the advertising information Page.		Scroll to the footer of the page. Click the "Ads Info" link. Verify that the user is redirected to the advertising information page.	NULL	The Ads Info page should load correctly.	The Ads Info page should load correctly.	Pass
	TC048	Functional Testing	Verify the "More" link in the footer expands the options menu.		Scroll to the footer of the page. Click the "More" link. Verify that additional options are displayed.	NULL	The "More" link should expand to show additional Options.	The "More" link should expand to show additional Options.	Pass
	TC049	Functional Testing	Verify the copyright text "© 2024 X Corp." is displayed at the bottom of The footer.		Scroll to the footer of the page. Verify that the copyright text "© 2024 X Corp." is displayed at the bottom.	NULL	The copyright information should be correctly Displayed as "© 2024 X Corp."	The copyright information should be correctly Displayed as "© 2024 X Corp."	Pass
Performance Testing	TC050	Performance Testing	Verify the website loads in under 3 seconds on a fast internet connection.		Open the website in a browser. Verify that the website fully loads in under 3 seconds on a fast internet connection.	NULL	The page should load in less than 3 seconds on High-speed internet.	The page should load in less than 3 seconds on High-speed internet.	Pass
	TC051	Performance Testing	Verify the homepage loads all components correctly within 5 seconds.		Open the website homepage. Verify that all components (header, footer, timeline, etc.) load correctly within 5 seconds.	NULL	All components on the homepage should load in Under 5 seconds.	All components on the homepage should load in Under 5 seconds.	Pass
	TC052	Performance Testing	Verify the timeline updates with new tweets under 2 seconds.		Post a new tweet or wait for one to appear. Verify that the timeline updates with the new tweet within 2 seconds.	NULL	The timeline should update with new tweets in less Than 2 seconds.	The timeline should update with new tweets in less Than 2 seconds.	Pass
	TC053	Performance Testing	Verify profile page loads and renders profile info in under 3 seconds.		Navigate to the profile page. Verify that the profile page loads and displays the profile info in under 3 seconds.	NULL	The profile page should load in under 3 seconds And display profile info correctly.	The profile page should load in under 3 seconds And display profile info correctly.	Pass
	TC054	Performance Testing	Verify tweet posting occurs in less than 1 second.		Click the "Tweet" button. Post a tweet. Verify that the tweet is posted and appears on the timeline in under 1 second.	NULL	The tweet should be posted successfully in under 1 second.	The tweet should be posted successfully in under 1 second.	Pass
Security Testing	TC055	Security Testing	Verify secure login for valid users with encrypted password handling.		Log in using valid user credentials. Verify that the password is encrypted in the request payload.	NULL	The password should be securely encrypted during Login and not exposed.	The password should be securely encrypted during Login and not exposed.	Pass
	TC056	Security Testing	Verify that the system locks after 3 failed login attempts (brute force protection).		Attempt to log in with incorrect credentials three times. Verify that the account is locked after 3 failed attempts.	NULL	After 3 failed login attempts, the system should Lock the user out for a certain period.	After 3 failed login attempts, the system should Lock the user out for a certain period.	Pass
	TC057	Security Testing	Verify 2FA option is available and user can enable it.		Navigate to account settings. Enable the 2FA option and complete the setup. Verify that 2FA works by requiring a code for the next login.	NULL	User should be able to enable 2FA successfully.	User should be able to enable 2FA successfully.	Pass
	TC058	Security Testing	Verify the user can securely log out of the session.		Click the profile picture or menu. Select "Log Out." Verify the user is securely logged out and redirected to the login page.	NULL	The user should be logged out and redirected to The login page.	The user should be logged out and redirected to The login page.	Pass