YouTube Clone App User Acceptance Test Cases

Requirement-ID: 01

Field	Details
Description	Test whether SQATube webpage shows videos from YouTube by searching for the same keyword, verified via assertions.
Pre-conditions	• SQATube website accessible locally. • Test framework: PyUnit. • Chrome WebDriver version: 130.0.6723.117 (set driver path in code). • Chrome browser version: 130.0.6723.117. • Test environment set up with required files.
Procedure	1. Launch WebDriver. 2. Navigate to SQATube webpage. 3. Add assertion for expected title in website. 4. Locate and click the button "AI DevOps Tools". 5. Perform scrolling (300px). 6. Open YouTube in same tab. 7. Locate search input, type "AI DevOps Tools". 8. Perform search and scroll YouTube results.
Test Data	- Search keyword: "AI DevOps Tools". - SQATube URL: http://127.0.0.1:5500/index.html - YouTube search URL: https://www.youtube.com/
Expected Result	• SQATube webpage loads. • Button click triggers action. • Smooth scrolling. • YouTube tab opens, performs search for "AI DevOps Tools".
Actual Result	Successful (refer to log file for details).
Pass/Fail	Pass

Requirement ID: 02

Field	Details
Description	Test whether SQATube webpage shows 12 videos at once. Assertion statements added for verification.
Pre-conditions	• Webpage accessible locally. • Test framework: PyUnit. • Chrome WebDriver version: 130.0.6723.117. (set driver path in code). • Chrome browser version: 130.0.6723.117.
Procedure	1. Launch WebDriver. 2. Navigate to URL. 3. Perform scrolling action (100px down, 50 times). 4. Quit WebDriver.
Test Data	Webpage URL: http://127.0.0.1:5500/index.html
Expected Result	• Webpage loads. • Scrolling occurs smoothly. • WebDriver quits without errors.
Actual Result	Successful (refer to log file for details).
Pass/Fail	Pass

Requirement-ID: 03

Field	Details
Description	Test if SQATube webpage can play a video by clicking the "play" button. Assertion statements added for verification.
Pre-conditions	- Webpage accessible locally. - Test framework: PyUnit. - Chrome WebDriver version: 130.0.6723.117(set driver path in code). - Chrome browser version: 130.0.6723.117 - Video player embedded in an iframe.
Procedure	1. Launch WebDriver. 2. Navigate to URL. 3. Locate iframe and video player inside. 4. Click video player to start playback. 5. Wait 7 seconds. 6. Add assertions for iframe, video element, and playback. 7. Close WebDriver.
Test Data	- Webpage URL: http://127.0.0.1:5500/index.html - Video player interaction: Clicking video to start playback.
Expected Result	- Webpage loads. - iframe and video player elements located. - Video playback starts upon click. - WebDriver closes.
Actual Result	Successful (refer to log file for details).
Pass/Fail	Pass

Requirement-ID: 04

Field	Details
Description	Test video interaction (play, pause, fullscreen, forward, backward) on SQATube webpage by simulating user actions.
Pre-conditions	• Webpage accessible locally. • Test framework: PyUnit. • Chrome WebDriver version: 130.0.6723.117(set driver path in code). • Chrome browser version: 130.0.6723.117 • Video player supports interactions.
Procedure	1. Launch WebDriver. 2. Navigate to URL. 3. Locate iframe and video player. 4. Start playback. 5. Toggle fullscreen. 6. Pause and resume playback. 7. Use arrow keys to seek forward/backward. 8. Add assertions for each step. 9. Close WebDriver.
Test Data	• Webpage URL: http://127.0.0.1:5500/index.html • Video interactions: Play, fullscreen, seek forward/backward.
Expected Result	• Video starts playing. • Fullscreen toggles. • Play/pause works. • Forward/backward seek functions correctly. • WebDriver closes.
Actual Result	Successful (refer to log file for details).
Pass/Fail	Pass

Requirement-ID: 05

Field	Details
Description	Test if SQATube shows related videos after selecting a keyword, assertion statements added for verification.
Pre-conditions	• Webpage accessible locally. • Test framework: PyUnit. • Chrome WebDriver version: 130.0.6723.117(set driver path in code). • Chrome browser version: 130.0.6723.117 • Webpage contains clickable keyword buttons.
Procedure	1. Launch WebDriver. 2. Navigate to URL. 3. Scroll up/down (50 iterations each). 4. Click first keyword button (kw1). 5. Repeat scrolling. 6. Click fourth keyword button (kw4). 7. Repeat scrolling. 8. Add assertions for scrolling and keyword selection. 9. Quit WebDriver.
Test Data	• Webpage URL: http://127.0.0.1:5500/index.html • Keyword buttons: kw1, kw4.
Expected Result	• Smooth scrolling up and down. • Clicking keyword buttons triggers expected functionality. • Scrolling works post-keyword selection. • WebDriver closes.

Requirement- ID: 6

Field	Details
Description	Test whether there are pre-defined keywords in SQATube website by searching for keywords with low correlation like "travel", assertion statements were added for verification.
Pre-conditions	• The target webpage must be available at the specified local file path. • Test framework: PyUnit • Chrome WebDriver version 130.0.6723.117 (set driver path in code). • Chrome browser version 130.0.6723.117 • The webpage should contain a search input field with the search-input and a search button.
Procedure	1. Launch WebDriver. 2. Navigate to the specified webpage URL. 3. Perform scrolling actions (down and up) for 50 iterations. 4. Verify scrolling actions. 5. Enter the search term "travel" into the search input field. 6. Verify if the search input element is found. 7. Click the search button to trigger the search. 8. Verify if the search button element is found. 9. Perform scrolling actions (down and up) after executing the search. 10. End testing.
Test Data	• Webpage URL: http://127.0.0.1:5500/index.html • Search term: "travel"
Expected Result	• The search term "travel" should be entered into the search field. • The search button should trigger the search action, and the page should update. • Scrolling actions should work smoothly (both down and up).
Actual Result	Successful (Specific details in log file for Requirement 06).
Pass/Fail	Pass

Requirement-ID:7

Field	Details
Description	This test checks the functionality of adding a new keyword to the website and interacting with it.
Pre-conditions	• The target webpage must be accessible at the specified local path. • Test framework: PyUnit • Chrome WebDriver version 130.0.6723.117 (set driver path in code). • Chrome browser version 130.0.6723.117 • The webpage should have an input field for new keywords and a button. • The page should allow interaction with keyword buttons once a new keyword is added.
Procedure	1. Initialize WebDriver and navigate to the specified webpage. 2. Locate the input field for a new keyword and enter "Best AI coding Tools". 3. Check if the keyword input field is found. 4. Click the *"Add Keyword" button* to add the keyword. 5. Check if the add keyword button is found. 6. Interact with the newly added keyword by clicking the 6th keyword button 7. Perform scrolling actions (down and up). 8. Clean up and quit WebDriver.
Test Data	• Webpage URL: http://127.0.0.1:5500/index.html • New keyword: "Best AI coding Tools".
Expected Result	• The keyword should be added successfully to the page. • The 6th keyword button should be clickable. • Scrolling actions should work as expected.
Actual Result	Successful (Specific details in log file for Requirement 07).
Pass/Fail	Pass

Requirement-ID:8

Field	Details
Description	This test verifies the functionality of the sorting dropdown on the webpage. It ensures the sorting options (date, relevance, rating, duration) work correctly.
Pre-conditions	• The target webpage must be accessible at the specified local path. • Test framework: PyUnit • Chrome WebDriver version 130.0.6723.117(set driver path in code). • Chrome browser version 130.0.6723.117 • The webpage must have a dropdown for sorting options.
Procedure	1. Initialize WebDriver and navigate to the specified webpage. 2. Locate the sorting dropdown. 3. Check if the dropdown element is found. 4. Select sorting options ("date", "relevance", "rating", "duration"). 5. Perform scrolling actions (down and up) after each selection. 6. Verify that the correct option is selected for all options. 7. Clean up and quit WebDriver.
Test Data	• Webpage URL: http://127.0.0.1:5500/index.html • Sorting options: date, relevance, rating, duration
Expected Result	• The dropdown should allow selecting sorting options. • After each selection, the page should update. • Scrolling actions should work smoothly.
Actual Result	Successful (Specific details in log file for Requirement 08).
Pass/Fail	Pass