

Wikipedia Functional Testing

I. Introduction

- **Project Name:** Wikipedia Functionality Test
- **Objective:** Validate search functionality, navigation between articles, and accessing the talk and questions sections of Wikipedia.

II. Test Strategy

- **Scope:**
 - Basic search function.
 - Verifying the title and content of articles.
 - Navigation to linked articles from within articles.
 - Accessing and verifying the Talk and Questions pages.
- **Test Environment:**
 - Browser: Chrome
 - OS: Windows 10.
- **Testing Tools:** Selenium WebDriver
- **Test Level:** Functional testing (UI)

III. Test Cases and Execution

1. **Test Case ID:** TC01
 - **Description:** Basic article search for 'Python programming'.
 - **Steps to Execute:**
 - Launch Wikipedia homepage.
 - Input 'Python programming' in the search bar.
 - Click the submit button.
 - **Expected Result:** The 'Python programming' page opens with title "Python (programming language)".
 - **Actual Result:** title "Python (programming language)".
 - **Status:** Passed
2. **Test Case ID:** TC02
 - **Description:** Verify content in the Python programming article and navigate to 'code readability'.
 - **Steps to Execute:**
 - Click on 'code readability' link.
 - **Expected Result:** Navigates to 'Computer programming' page with relevant title and content.
 - **Actual Result:** 'Computer programming' page with relevant title and content.
 - **Status:** Passed

3. Test Case ID: TC03

- **Description:** Ensure that users can navigate to the Talk Menu from the main Wikipedia page.
- **Steps to Execute:**
 - Click on the Wikipedia logo to return to the main homepage.
 - Click on the "Talk" link to navigate to the Talk Menu.
- **Expected Result:**
- Wikipedia main homepage is displayed.
- User is taken to the English Wikipedia's Main Page discussion.
- **Actual Result:**
- Wikipedia main homepage is displayed.
- Introduction for English Wikipedia's Main Page discussion displayed: "Welcome! This page is for discussing the contents of the English Wikipedia's Main Page."
- **Status:** Passed

4. Test Case ID: TC04

- **Description:** Ensure that users can navigate to the "Questions" page by clicking on the "Question help" link from the Talk Menu.
- **Steps to Execute:**
 - Click the 'Question help' link.
- **Expected Result:** The 'Questions' page is displayed.
- The title of the page is "Questions".
- The introduction details locations where users can ask questions or make comments.
- **Actual Result:**
- 'Questions' page displayed.
- Page titled "Questions".
- Introduction displayed: "Welcome to Wikipedia! This page lists some locations where you can ask questions or make comments."
- **Status:** Passed

IV. Summary

- **Total Test Cases Executed:** 4
- **Passed:** 4
- **Failed:** 0
- **Remarks:** All functionalities tested on Wikipedia through automated Selenium script worked as expected.

V. Conclusion

All the functionalities, including searching, navigation, and content verification on Wikipedia, were tested successfully. The script did not encounter any anomalies during the test run.