**TEST SUMMARY REPORT**

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Project Name: Wikipedia Homepage Testing

Project URL: https://www.wikipedia.org/

Test Framework: Cypress with Page Object Model (POM)

Report Date: [16-Nov-2024]

**1. Objective**

The objective of this test summary report is to provide an overview of the testing activities performed on the Wikipedia homepage, highlighting the results, coverage, and outcomes of the tests conducted.

**2. Test Scope**

The testing covered the following key features of the Wikipedia homepage:

1. Search Functionality: Validation of the search bar for valid, invalid, and edge-case inputs.
2. Language Selector: Verification of the language dropdown and its persistence.
3. Navigation Links: Testing redirections through main links like "Main Page," "Random Article," etc.
4. Footer Links: Validation of all footer links and their functionality.
5. Logo and Branding: Verification of the Wikipedia logo's behavior and appearance across devices.

**3. Test Execution Summary**

| Module | Test Cases Executed | Passed | Failed | Blocked | Skipped |
| --- | --- | --- | --- | --- | --- |
| Search Functionality | 3 | 3 | 0 | 0 | 0 |
| Language Selector | 3 | 3 | 0 | 0 | 0 |
| Navigation Links | 3 | 3 | 0 | 0 | 0 |
| Footer Links | 3 | 3 | 0 | 0 | 0 |
| Logo and Branding | 3 | 3 | 0 | 0 | 0 |
| Total | 15 | 3 | 0 | 0 | 0 |

**4. Test Results Summary**

* Total Test Cases: 15
* Passed: 15
* Failed: 0
* Blocked: 0
* Defect Severity: No critical or high-severity issues found.

**5. Key Findings**

1. Search Functionality
   * The search bar performed as expected for valid and invalid inputs.
   * Auto complete suggestions were accurate and relevant.
   * Search results were consistent across different cases (e.g., lowercase, uppercase).
2. Language Selector
   * The dropdown displayed all supported languages.
   * Selected languages persisted across page refreshes.
3. Navigation Links
   * Links such as "Main Page" and "Random Article" redirected correctly.
   * Navigation was smooth and intuitive.
4. Footer Links
   * All links were functional and directed to the correct pages.
   * Accessibility standards for footer links were met.
5. Logo and Branding
   * The logo maintained its aspect ratio across devices and screen sizes.
   * Branding colors adhered to Wikipedia’s style guide.

**6. Tools and Techniques Used**

* Automation Framework: Cypress with POM
* Browser Compatibility: Tested on Chrome, Firefox, and Edge
* Devices: Desktop, Tablet, and Mobile

**7. Recommendations**

1. Periodic testing should be conducted to ensure functionality during Wikipedia’s updates.
2. Perform performance testing on heavy traffic areas such as the search bar

8. **Conclusion**

The testing of the Wikipedia homepage was successful, with all test cases passing. The homepage demonstrated robustness, usability, and adherence to functional requirements. No major issues were identified.