**One Map Application QA Process Documentation (Automation Testing Focus)**

**Overview**

The QA process for the One Map application incorporates automation testing to efficiently validate its functionality, performance, and reliability. This documentation outlines the procedures and methodologies to be followed for automated testing throughout the application lifecycle.

**Objectives**

* Implement automation testing to increase testing coverage and efficiency.
* Identify and rectify defects or issues in the application through automated scripts.
* Validate the functionality and performance of the One Map application across different scenarios.
* Ensure compatibility across various browsers through automated tests.

**QA Process**

1. **Automation Strategy Planning**

In this phase identify test scenarios suitable for automation, prioritizing repetitive and critical functional flows.

2. **Test Framework Selection**

In this phase evaluate and select an appropriate test automation framework compatible with the technology stack of the One Map application.

Consider factors such as ease of scripting, maintenance, scalability, and integration capabilities by considering all the aspects designed Data Driven Framework with POM design pattern.

3. **Test Script Development**

In this phase develop automated test scripts Selenium, Java and TestNG.

Script test cases covering Sanity flow from Landing Page and Search Section of the application.

4. **Test Data Management**

In this phase establish mechanisms for managing test data required for automated testing, ensuring data integrity and confidentiality.

Implement data-driven testing approaches to validate different data inputs and scenarios.

5. **Test Execution**

In this phase monitor test execution and analyse test results, including pass/fail status and any encountered defects.

6. **Cross-Browser Testing**

In this phase utilize automation tools to perform cross-browser testing of the One Map application.

Validate compatibility and responsiveness across various browsers.

7. **Reporting and Analysis**

In this phase generate automated test reports summarizing test execution results, including test coverage, pass rates, and defects detected.

**Conclusion**

The QA process for the One Map application incorporates automation testing to enhance efficiency, scalability, and reliability. By leveraging automated testing frameworks and tools, we can achieve comprehensive test coverage, expedite release cycles, and maintain high standards of quality throughout the application lifecycle.