# Selenium Open Source Test Automation Framework Usage Guidelines

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# Table of Contents

# 1. Purpose of the Document

The purpose of this document is to provide a glimpse into the supporting documents prepared for the Open Source Test Automation Framework that can be used for understanding, customizing, and maintaining the framework code. This document is designed to promote reuse and extensibility of the Open Source Test Automation Framework.

# 2. List of Documents

- Selenium Open Source Test Automation Framework Introduction
- Selenium Open Source Test Automation Framework Implementation Guide
- Selenium Open Source Test Automation Framework FAQ
- Selenium Open Source Test Automation Framework Coding Standards for Developers
- Selenium Open Source Test Automation Framework Quick Start Guide
- Selenium Open Source Test Automation Framework Extensibility for Developers
- Selenium Open Source Test Automation Framework Tips and Tricks
- Selenium Open Source Test Automation Framework Keywords for Web
- Selenium Open Source Test Automation Framework for Web
- Selenium Open Source Test Automation Framework Keyword Naming Conventions for Developers
- Selenium Open Source Test Automation Framework Scripting Standards for Web
- Selenium Open Source Test Automation Framework Popup Handling Mechanism

# 3. Use of Open Source Test Automation Framework Documents

## 3.1. Selenium Open Source Test Automation Framework Introduction

- **Description:** This document provides an introduction for an effective framework called the Open Source Test Automation Framework, the framework features, as well as its architecture and benefits.
- **Utilization:** This document helps in understanding the Open Source Test Automation Framework in which the discrete functional business events that make up an application are described using keywords. The major benefits of this approach include reusability and greater productivity.

## 3.2. Selenium Open Source Test Automation Framework Implementation Guide

- **Description:** This document provides an overview of the implementation of the Open Source Test Automation Framework in Selenium Remote Control. The Open Source Test Automation Framework is an application-independent framework that deals with all possible actions and verifications that can be performed on an object.
- **Utilization:** This document helps in implementing the framework code for a given technology across different applications.

## 3.3. Selenium Open Source Test Automation Framework FAQ

- **Description:** This document provides answers to some frequently asked questions about the Open Source Test Automation Framework.
- **Utilization:** This document helps in finding answers to frequently asked questions about the Open Source Test Automation Framework.

## 3.4. Selenium Open Source Test Automation Framework Coding Standards for Developers

- **Description:** This document describes the standards to be followed when designing and developing framework code.
- **Utilization:** This document provides the naming conventions to be followed for the variables and constants, function definitions and declarations, and comment standards across the framework code for all technologies.

## 3.5. Selenium Open Source Test Automation Scripting Standards

- **Description:** This document provides details about the various columns used during scripting, the keywords and their

descriptions, along with some methodologies to be followed while scripting using keywords.

- **Utilization:** This document provides guidelines for creating keyword scripts.

### 3.6. Selenium Open Source Test Automation Quick Start Guide

- **Description:** This document provides a brief overview of the settings used with keyword-driven scripting in Selenium.
- **Utilization:** This document helps in creating new tests, associating with required add-ins, establishing test settings for keyword-driven scripting, managing the object repository, calling the framework code, using keywords, and test execution.

### 3.7. Selenium Open Source Test Automation Framework Extensibility for Developers

- **Description:** This document describes the guidelines to be followed when customizing framework code.
- **Utilization:** This document provides guidelines for adding or modifying the functions or keywords in the framework code.

### 3.8. Selenium Open Source Test Automation Tips and Tricks

- **Description:** This document provides an overview of handling frequently encountered scripting problems and some valuable dos and don'ts to maximize efficiency of the Open Source Test Automation Framework. This document requires prior knowledge and working experience with the Open Source Test Automation Framework.
- **Utilization:** This document serves as a quick reference for solving issues when using the Open Source Test Automation Framework.

### 3.9. List of Keywords

- **Description:** This document provides the list of available keywords in the Open Source Test Automation Framework. This document also provides keywords syntax that needs to be followed while creating keyword test scripts. This document also provides examples and description for each keyword, which helps in understanding the functionality of all the keywords.
- **Utilization:** This document helps as a quick reference for using all the available keywords.

### 3.10. Selenium Open Source Test Automation Framework Description

- **Description:** This document provides detailed explanation of framework code. All the functions available in the framework code are explained in detail.

- **Utilization:** This document can be used for understanding the functionality of framework code. It also helps in maintaining and enhancing the framework code.

## 3.11. Keyword Naming Conventions

- **Description:** This document provides the naming conventions used in the Open Source Test Automation Framework to generate the keyword scripts. This includes the naming convention used for keywords, objects, actions, variables, data tables, parameters, and environment. This document can be customized based upon the requirements and hence falls under the category 'Contributors Document.'
- **Utilization:** This document helps in providing standards that need to be followed while designing keywords.

## 3.12. Popup Handling Mechanism

- **Description:** This document provides details about the multithreading concept in Ruby and the integration of the AutoIt tool with Selenium to handle all Windows-related popups.
- **Utilization:** This document helps in understanding the multithreading concept in Ruby and using the commands of AutoIt in Selenium.

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