



ROBOT FRAMEWORK

AUTOMATION

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TABLE OF CONTENTS

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Our content today is divided into four parts. Each part will be described with examples.

01

Brief

Introduction, Libraries, Built in, keyword, testcase, test suite

02

Launching application

Making hands dirty with code by making a simple automation of launching an app

03

Installation

Robot Framework Configuration and Prerequisite

04

Summary

Brief, Installation, Code Demo



BRIEF INTRODUCTION

What is RF and its features

Robot Framework is a generic open source automation framework. It can be used for test automation and robotic process automation (RPA).

Robot Framework is open and extensible.

Robot Framework is free to use without licensing costs.

Robot Framework has an easy syntax, utilizing human-readable keywords. Its capabilities can be extended by libraries implemented with Python,



INSTALLATION AND PREREQUISITE



- To execute the automated tests the following software are required.
- Android SDK
- Appium
- [Python3]
- Robot Framework Libraries
- Selenium Library
- [Zoomba Library]
- Pabot Library

YOUR FIRST TEST AUTOMATION IN ROBOT FRAMEWORK



Step 1 :- Install demo app into mobile application and fetch desired caps for demo application using app package application

Step 2 :- Start Appium server on port 4723

Step 3 :- Create a folder with a name of your project, add a file with a name desired_caps with .robot extension

add Syntax into file

*** Variable ***

Step 4 :- add capabilities into desired caps in this similar syntax

`${var name} capablitiy value`

Step 5 :- create another file with a name of launchapplication_pagesteps.robot

add the code

library ApplumLibrary

Resource <<link Desiredcaps file>>

YOUR FIRST TEST AUTOMATION IN ROBOT FRAMEWORK



Step 6 :- create a keyword with a name launch Demo app and add the Appium mobile argument to run predefined locators

*** Keyword ***

Launch_demoApplication

Syntax >> \${argument name} locator name

Step 7 :- create another file with a name of openapp_testsuite.robot and add this code

Library Operating System

Resource <<link Keyword File>>

*** Test Cases***

open demo app

name of keyword u want to run

Step 8 :- Below command is to check test execution from terminal

Syntax >> robot -d "path of testsuite file"

SUMMARY



Introduction to Robot

Installation Guide

Demo of launching application using RF

Links to Resources

<https://serhatbolsu.github.io/robotframework-appiumlibrary/AppiumLibrary.html#library-documentation-top>

<https://robotframework.org/>



THANK-YOU

Q&A