

TTT: Automation

Within this page of **TTT** (Tutorials, Tips and Tricks) you may find some useful articles related with automation, including a vast collection of tutorials for all sorts of frameworks (e.g. Cucumber, JUnit, TestNG, etc), in all sort of languages (e.g. Java, C, C#, Ruby, Perl, Python, etc) and all types of testing (e.g. web, cloud, mobile).

- [Examples by programming language](#)
- [Examples by testing framework report](#)
- [Examples by target environment](#)

Examples by programming language

blocked URL	C#	C/C++	Js	blocked URL	blocked URL	blocked URL	blocked URL
<ul style="list-style-type: none">• Load Testing using Gatling and JUnit in Scala• Testing Android Applications using Appium and JUnit in Java• Testing Android apps using Espresso in Java or Kotlin• Testing iOS applications using Appium and JUnit in Java• Testing using Cucumber in Java• Testing using Cucumber in Ruby /JRuby• Testing using Robot framework and xUnit reports	<ul style="list-style-type: none">• Testing using NUnit in C#• Testing using Selenium (WebDriver) and NUnit in C#• Testing using SpecFlow and Cucumber Scenarios in C#• Testing using Specflow and NUnit in C#• Testing using UFT Pro (LeanFT) and NUnit in C#	<ul style="list-style-type: none">• Testing using Google Test in C++	<ul style="list-style-type: none">• E2E testing web apps locally or in the cloud (Sauce Labs) using Nightwatch.js and WebDriver in Javascript• E2E web testing locally, remote or in the cloud (BrowserStack, SauceLabs) using TestCafé in JavaScript• Headless testing web applications using Jest and Puppeteer in JavaScript• Testing mobile apps in the cloud (Sauce Labs) using Webdriver and Mocha in Javascript• Testing using CasperJS and PhantomJS in JavaScript• Testing using Cypress in JavaScript• Testing using Jasmine (Node.js) in JavaScript• Testing using Mocha in JavaScript• Testing web and mobile applications using CodeceptJS in JavaScript• Visual Testing using PhantomCSS in JavaScript	<ul style="list-style-type: none">• Testing mobile apps in the cloud (BrowserStack) using Appium and Cucumber in Ruby• Testing using Cucumber in Ruby /JRuby• Testing using MiniTest in Ruby• Testing using Selenium and RSpec in Ruby	<ul style="list-style-type: none">• Testing using PHPUnit in PHP	<ul style="list-style-type: none">• Testing using Behave in Python• Testing using pytest in Python• Testing using Robot framework and xUnit reports• Testing using Robot Framework integration in Python or Java• Testing using the Robot Framework and xUnit reports	<ul style="list-style-type: none">• Testing using Cucumber in Perl

<ul style="list-style-type: none"> • Testin g using Robot Frame work integra tion in Pytho n or Java • Testin g using Seleni um and JUnit in Java • Testin g using Seleni um WebD river and Gauge in Java • Testin g using Sereni ty and JUnit in Java • Testin g using TestN G in Java • Testin g using the Robot Frame work and xUnit reports • Testin g using UFT Pro (Lean FT) and JUnit in Java • Testin g Windo ws Applic ations using Appli m and JUnit in Java 						
--	--	--	--	--	--	--

Examples by testing framework report

blocked URL	TestNG		blocked URL	 Robot framework
-------------	--------	--	-------------	--

<ul style="list-style-type: none"> E2E web testing locally, remote or in the cloud (BrowserStack, SauceLabs) using TestCafé in JavaScript Headless testing web applications using Jest and Puppeteer in JavaScript Integration with Azure DevOps Integration with Bamboo Integration with CircleCI Integration with Concourse Integration with GitLab Integration with Jenkins Integration with TeamCity Integration with TeamCity (legacy) Load Testing using Gatling and JUnit in Scala Taking advantage of JUnit XML reports Testing Android Applications using Appium and JUnit in Java Testing Android apps using Espresso in Java or Kotlin Testing Angular apps using Protractor in JavaScript Testing APIs using Katalon Studio Testing iOS applications using Appium and JUnit in Java Testing iOS apps using XCTest in Swift Testing the UI of iOS apps using XCTest and XCUITest in Swift Testing using CasperJS and PhantomJS in JavaScript Testing using Cypress in JavaScript Testing using FitNesse and JUnit Testing using Google Test in C++ Testing using Jasmine (Node.js) in JavaScript Testing using MiniTest in Ruby Testing using Mocha in JavaScript Testing using PHPUnit in PHP Testing using pytest in Python Testing using Robot framework and xUnit reports Testing using Selenium and JUnit in Java 	<ul style="list-style-type: none"> Taking advantage of TestNG XML reports Testing using TestNG in Java Testing web apps in the cloud (BrowserStack) using Selenium and TestNG in Java Testing web apps in the cloud (Sauce Labs) using Selenium and TestNG in Java 	<ul style="list-style-type: none"> Taking advantage of NUnit XML reports Testing using NUnit in C# Testing using Selenium (WebDriver) and NUnit in C# Testing using Specflow and NUnit in C# Testing using UFT Pro (LeanFT) and NUnit in C# 	<ul style="list-style-type: none"> Integration with Bamboo Integration with GitLab Integration with Jenkins Integration with TeamCity Integration with TeamCity (legacy) Testing mobile apps in the cloud (BrowserStack) using Appium and Cucumber in Ruby Testing using Calabash and Xamarin Test Cloud in Ruby Testing using Cucumber in Java Testing using Cucumber in Perl Testing using Cucumber in Ruby/JRuby Testing using SpecFlow and Cucumber Scenarios in C# Testing web applications using Gwen and Selenium 	<ul style="list-style-type: none"> Taking advantage of Robot XML reports Testing using Robot framework and xUnit reports Testing using Robot Framework integration in Python or Java Testing using the Robot Framework and xUnit reports
---	--	--	--	--

Examples by target environment

Browser/Web testing	Mobile Testing	Testing in the Cloud
<ul style="list-style-type: none"> E2E testing web apps locally or in the cloud (Sauce Labs) using Nighthack.js and WebDriver in Javascript E2E web testing locally, remote or in the cloud (BrowserStack, SauceLabs) using TestCafé in JavaScript Headless testing web applications using Jest and Puppeteer in JavaScript Testing APIs using Katalon Studio Testing mobile apps in the cloud (Sauce Labs) using Webdriver and Mocha in Javascript Testing using CasperJS and PhantomJS in JavaScript Testing using Cypress in JavaScript Testing using Selenium (WebDriver) and Nunit in C# Testing using Selenium and JUnit in Java Testing using Selenium and RSpec in Ruby Testing using Selenium WebDriver and Gauge in Java Testing using Serenity and JUnit in Java Testing web applications using Gwen and Selenium Testing web apps in the cloud (BrowserStack) using Selenium and TestNG in Java Testing web apps in the cloud (Sauce Labs) using Selenium and TestNG in Java 	<ul style="list-style-type: none"> Testing Android apps using Espresso in Java or Kotlin Testing iOS apps using XCTest in Swift Testing mobile apps in the cloud (BrowserStack) using Appium and Cucumber in Ruby Testing mobile apps in the cloud (Sauce Labs) using Webdriver and Mocha in Javascript Testing the UI of iOS apps using XCTest and XCUITest in Swift Testing using Calabash and Xamarin Test Cloud in Ruby Testing web and mobile applications using CodeceptJS in JavaScript 	<ul style="list-style-type: none"> E2E testing web apps locally or in the cloud (Sauce Labs) using Nighthack.js and WebDriver in Javascript Integration with GitLab Testing mobile apps in the cloud (BrowserStack) using Appium and Cucumber in Ruby Testing mobile apps in the cloud (Sauce Labs) using Webdriver and Mocha in Javascript Testing using Calabash and Xamarin Test Cloud in Ruby Testing web apps in the cloud (BrowserStack) using Selenium and TestNG in Java Testing web apps in the cloud (Sauce Labs) using Selenium and TestNG in Java