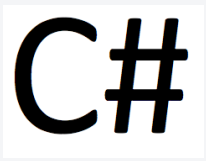
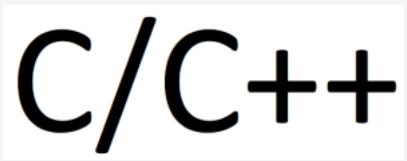
TTT: Automation

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				blocked URL	blocked URL	blocked URL	blocked URL
• Integration with Gradle • Load testing using Gatling and JUnit in Scala • Model-Based Testing using GraphWalker and Java • 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 REST services and APIs in Java using REST Assured and JUnit	• Testing using NUnit in C# • Testing using Selenium WebDriver and NUnit in C# • Testing using SpecFlow and Gherkin scenarios in C# • Testing using Specflow and NUnit in C# • Testing using UFT Pro (LeanFT) and NUnit in C# • Testing using xUnit in C#	• Testing using Google Test in C++	• Code Quality Analysis with SonarQube • E2E testing web apps locally or in the cloud (Sauce Labs) using Nighwatch.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 • Performance and load testing with k6 • Testing mobile apps in the cloud (Sauce Labs) using Webdriver and Mocha in Javascript • Testing Node.js apps using Cucumber.js in JavaScript • Testing using CasperJS and PhantomJS in JavaScript • Testing using Cypress and Cucumber in JavaScript • Testing using Jasmine (Node.js) in JavaScript • Testing using Mocha in JavaScript • Testing using WebDriverIO and Cucumber in JavaScript • Testing web and mobile applications using CodeceptJS in JavaScript • Visual Testing using PhantomCSS in JavaScript	• 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	• Testing using PHPUnit in PHP	• Model-Based Testing using AltWalker and Python • 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	• Testing using Cucumber in Perl

• Testing using Cucumber in Java • Testing using Cucumber in Ruby/JRuby • Testing using Robot framework and xUnit reports • Testing using Robot Framework integration in Python or Java • Testing using Selenium and JUnit4 in Java • Testing using Selenium WebDriver and Gauge in Java • Testing using Serenity and JUnit in Java • Testing using Serenity BDD and Cucumber in Java							

Examples by testing framework report

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• Accessibility testing using Axe-Playwright • Code Quality Analysis with SonarQube • Developing and testing APIs using Postman • 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 • Import Execution Results • Import Execution Results - REST • Integrating with Testing Frameworks • Integration with Azure DevOps • Integration with Bamboo • Integration with CircleCI • Integration with Concourse • Integration with GitHub • Integration with GitLab • Integration with Jenkins • Integration with JUnit-based test runners • Integration with TeamCity • Jenkins pipeline integration • Load testing using Gatling and JUnit in Scala • Model-Based Testing using AltWalker and Python • Performance and load testing with Gatling • Performance and load testing with k6 • Performance and load testing with Locust • 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 Karate DSL • Testing APIs using Katalon Studio • Testing APIs using Pact-js	• Integrating with Testing Frameworks • Integration with TestNG-based test runners • 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 • Using Generic Tests for Automation	• Import Execution Results • Integrating with Testing Frameworks • Integration with NUnit-based test runners • 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# • Using Generic Tests for Automation	• Automated Steps Library • Export Cucumber Features • Gherkin (BDD Tests) • Import Execution Results • Import Execution Results - REST • Integrating with Testing Frameworks • Integration with Bamboo • Integration with Cucumber and variants • Integration with GitLab • Integration with Jenkins • Integration with TeamCity • Testing in BDD with Gherkin based frameworks (e.g. Cucumber) • Testing mobile apps in the cloud (BrowserStack) using Appium and Cucumber in Ruby • Testing Node.js apps using Cucumber.js in JavaScript • 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 Cypress and Cucumber in JavaScript • Testing using Serenity BDD and Cucumber in Java • Testing using SpecFlow and Gherkin scenarios in C# • Testing using WebDriverIO and Cucumber in JavaScript • Testing web applications using Gwen and Selenium	• Import Execution Results - REST • Integrating with Testing Frameworks • Integration with Robot framework • 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 • Using Generic Tests for Automation

Examples by target environment

Browser/Web testing	Mobile Testing	Testing in the Cloud

• E2E testing web apps locally or in the cloud (Sauce Labs) using Nighwatch.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 Selenium and JUnit4 in Java • Testing using Selenium and RSpec in Ruby • Testing using Selenium WebDriver and Gauge in Java • Testing using Selenium WebDriver and NUnit in C# • Testing using Serenity and JUnit in Java • Testing using Serenity BDD and Cucumber 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	• 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	• E2E testing web apps locally or in the cloud (Sauce Labs) using Nighwatch.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