

# Test Automation Fundamentals Workshop

2 Days (14 Hours)



New software is developed and released faster than ever before. It is now a requirement for every business with a digital presence **to improve software testing**. Test automation will help testers and developers to benefit from the **advantages of automated testing**, saving time and improving accuracy.



## During our 2-day workshop you will:

- Discover the most demanded software testing technologies in the industry
- Receive an overview of the main categories of tools and why you should choose a particular tool
- Learn more about APIs, Postman and Selenium IDE
- Get an insight into the advantages and disadvantages of Test Automation

## COURSE OUTLINE

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### **Agenda Day 1:**

#### **Introduction to test automation**

- What is an automated test
- Types of automated tests
- Manual vs Automated
- Which tests (not) to automate
- Why start with API testing

#### **Introduction to APIs**

- What is an API ?
- REST & SOAP (XML, JSON)
- HTTP Methods and Statuses
- Swagger

#### **Introduction to Postman**

- First steps
- GET, POST, PUT, DELETE
- Write a test
  - Check HTTP codes
  - Check content
- Run the tests
- Manage test data

Reporting

### **Agenda Day 2:**

Day 1 reminder

#### **Web test automation**

- Pros and cons
- Beware of maintainability

#### **Selenium IDE**

- Introduction
- Writing a first test
- Assertions
- Waits
- Loops
- Conditions
- Embedded scripts

## Agile and Test Automation

- When to start?
- Get up to speed when automation starts too late
- Sprint by Sprint

Extra links to continue learning

## PRE-REQUISITES

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- To attend this course, you need basic testing knowledge
- No programming knowledge is required
- Don't forget to bring your laptop for the exercises