PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: Cypress Introduction	**Course Duration**: 4.0 Days
Exam: Not Included	**Exam Type**: No Exam
Qualification: There is no formal examination or certification associated with the Cypress Introduction training course.	

Course Syllabus

Introduction

What is Cypress, Pros & Cons of Cypress, Supported Browsers, Help References

JavaScript (Optional)

History & Terms, Executing JavaScript in the Console, Syntax Basics, Objects, String Functions, Functions, Loops

Visual Studio Code IDE

IDE Requirements, NodeJS, Installing & configuring VS Code, First Script

Cypress Setup

package.json & npm, Installing Cypress, Cypress VS Code Extensions, The Test Runner, Debugging, Cypress Folder Structure (Scaffolding)

Locators & Actions

Chrome Development Tools, Using ID, Class & CSS, Selocity, The Test Runner Locator Playground, cy.get() & .contains(), Chaining Locators, Using .within(), Common Actions, Action Options, Writing to the Log & Screenshots

CSS

Introduction to HTML & Web Page Anatomy

CSS Notation

Synchronisation

Waiting for Elements to appear, Local Timeouts, Test Spec Timeout, Global Timeout Config, CLI Parameters for Timeouts, Wait

Mocha

What is Mocha?, Spec Structure, Enabling/Disabling Tests, Hooks, Mocha Snippets for VS Code

Asserts

Chai Styles, Implicit Asserts, Regular Expressions, Explicit Asserts, When NOT to Assert

Custom Commands & Function Libraries

Adding Cypress Commands

Function Libraries

Fixtures

Using Hooks to load Fixture Test Data

Environment Variables

Alerts

Handling Alerts, capturing Alert messages

Command Line Interface (CLI)

Using npx & npm aliases

CLI parameters

Dashboard

Setting up & using the Dashboard

Continuous Integration

Setting up pipelines in Azure DevOps (ADO)

JUnit reports

Extras

Browser Navigation, Viewport, Window Objects, URL Information, Invoking JavaScript functions from the page, Cookies, Handling Web Tables, Page Object Model (POM), API Testing, GitHub Actions

Recorder

Using the new Recording feature in Cypress

Course Overview

Our four-day Cypress Introduction training course is available as on-site training at your location or as online training. Our online training is live, instructor-led in our virtual classroom. Cypress Introduction is delivered over four-days, with each approximately 3.5 hours online.

Our Cypress Introduction training course can be delivered to up to 10 staff members from your organisation.

Course Learning Outcomes

Our Cypress Introduction training course is delivered over four-days, with each approximately 3.5 hours online.

Our Cypress Introduction training course can be delivered to up to 10 staff members from your organisation.

Our Cypress Introduction training course covers essential concepts for using Cypress, focussing on developing reliable automated GUI tests for web, and applies to any platform (Windows, Mac, Linux).

Audience

Our Cypress Introduction training course is designed for newcomers to Cypress. It covers everything you need to know to become proficient at writing test cases in Cypress.

Entry-Level Requirements

There are no entry-level requirements, but we do have an optional JavaScript primer chapter if you are new to JavaScript. We can also email you the setup instructions before the course so you can setup Cypress in readiness.

Recommended Reading

You do not have to complete any prereading prior to the Cypress Introduction training course.

What's Included

All of our delegates receive comprehensive workbooks for the Cypress Introduction training course.

Exam Information

There is no formal examination included in the Cypress Introduction training course.

What's Next

Purple Griffon offer the following private virtual sessions for your team. Our Automated Software Testing training courses can be delivered on-site at your location or online for up to ten people:

- Selenium WebDriver C#
- Selenium WebDriver Java
- Selenium WebDriver JavaScript
- Cypress Introduction
- Cucumber Java
- Cucumber JavaScript
- SpecFlow

Call +44 (0)1539 736 828 now to discuss your training requirements and to book your sessions in the diary.

Additional Information

Cypress Introduction sessions are recorded so you can review what you have learned at a later date.