

cy Cypress

On-line Introduction

Course Length

- 4 Days (4 x 3.5 hour sessions on-line, please note that session length may vary depending on number of delegates and other factors)

Description

- Introductory course covering essential concepts for using Cypress, focussing on developing reliable automated GUI tests for Web, and applies to any platform (Windows, Mac, Linux).

Delivery Method

- Live online training course (Instructor-Led), delivered over 4 sessions of approximately 3.5 hours each. You will be provided a workbook for the course and homework exercises between sessions.
- Sessions are recorded so you can review what you have learned at a later date

Course Pre-requisites

- None

Key Points

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

4
Sessions

The
comprehensive
introductory
course for
Cypress

Recommended
for any new
users of
Cypress