edge words

cy Cypress
Advanced On-line

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
- Advanced course extending our Cypress Essentials course to cover real-world challenges that you can overcome with JavaScript and advanced Cypress features.
- Also includes remote execution through either a Continuous Integration Server, or using GitHub Actions

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
- Cypress Essentials or
- basic knowledge of Cypress

Key Points

Syns vs. Async
Sync/Async and Callbacks, Promises, examples of typical issues

Executing JavaScript (how & where)
JS code execution, .trigger() method, Cypress bundled libraries, executing JS against a web page, executing JS in NodeJS

iFrames and Origins
Handing iFrames, Cross-Origin issues and how to handle them

JavaScript Function Libraries
Creating and importing Modules, overcoming the Aysnc nature of using JavaScript functions

Looping through Web Elements
Looping through Drop-down menus, Web Tables, Radio buttons

Data-Driven Testing & Passing values between Tests
Data-driving a Test Case, passing values between Test Cases

Window & Browser Objects
Window Objects, Handling URL information, Cookies, Viewport, tying Test Cases to specific Browsers, WebKit

Session State
Test Isolation feature in Cypress, capturing session state, restoring state between Tests, Login example, Resetting Session State

Dynamic Test Case example
A worked through example of capturing dynamic values and utilising maths to check correct values

Page Object Model
What is the POM? How to implement it in Cypress, advantages of the POM

API Testing
Exploring the Edgewords REST API, cy.request() method, example GET and POST methods, Basic Authentication

GitHub Actions
Creating a GitHub Action YAML file, using GitHub to execute your Test Suite on a remote instance

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Sessions

The Advanced course for Cypress

Recommended for any existing users of Cypress or those wishing to expand their knowledge of Cypress

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