Web-Automation-CYPRESS

Introduction to Cypress - 1.5 hr.

- What is Cypress?
- Architecture of Cypress
- How is it different from Selenium?
- From Cypress.io website 'How it works?'
- From Cypress.io website 'Features'
- Run Sample code and explain Test Runner and Playground

Installation & Setup - 1 hr.

- Prerequisites
    1. VS Code
    2. Node 12+
- Create a project
- Cypress installation
- Cypress configuration
- Cypress JSON file
- Package. Son
- Explain folder structure

Interaction with Web Elements - 10 hr.

- DOM Terminology
- Test Structure
- Types of locators
- First Sample
- Launching URL
- Finding Web elements
- Implicit wait, pause, and debug
- Saving Subject of the command
- Invoke command
- Checkboxes and Radio buttons
- Lists and Dropdowns
- Web Tables
- Popups and Tooltips
- Handling child windows
- Handling frames
- Cypress Assertions
- Chaining Assertions

Deep Diving into Cypress commands and its Asynchronous Nature - 2 hr.

- Understanding get and find commands
- Grabbing the text for validations using the cypress text command
- Understanding the diff between jQuery methods and cypress commands
- Handling Async promises with Cypress
- Handling invisible elements in cypress

Cypress Basics - 1.5 hr.

- Running tests in Headless mode
- Implicit Waits, pause, debug
- Validating counts of elements on the page
- Cypress logs
- Browser Refresh and reload
- Variables and aliases
- Screenshots

Cypress Advanced - 8 hr.

- Environment variables
- Using Fixtures
- Custom commands
- Hooks
- POM in cypress
- BDD with Cucumber
- Mocks and Stubs
- API testing
- Cypress Retries
- Cypress Reporters
- Running different browsers
- Cross Browser Testing
- Visual Testing
- Cypress Dashboard
- Cypress End-to-End Testing
- Cypress testing in CI environment
- Introduction to Git
- Introduction to Jenkins
- Running Cypress testing in different browsers from Jenkins