



Training | Consulting | Developement | Outsourcing



Cypress

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Automation Testing with Cypress

Course Overview:

Cypress training courses demonstrate through interactive hands-on practice how to set up, write, run, and debug tests for any frontend application or website with Cypress.

This Training is aimed at software testers who wish to use Cypress for automating tests.

By the end of this training, participants will be able to:

- Perform end-to-end automation testing with Cypress.
- Implement integration and unit tests in a web application.
- Use Cypress as an alternative to Selenium.

Course Outline:

1. Getting Started

- What is Cypress.io
- Editors
- Install and Setup Cypress
- Prettier Setup

2. Cypress Basics

- Cypress Structure walkthrough
- First Cypress Test
- Running Tests in Headless Mode
- Load URL
- Assertions
- Implicit Waits, Pause, Debug
- Interacting with Buttons
- Cypress Logs
- Clear & Type text into Inputs
- Interacting with Checkbox
- Variables and Aliases
- Chaining Assertions
- Clear Cookies & Local Storage

- Time & Date Modification
- Viewport & Devices Emulation
- Get & Assert page titles

3. Advanced Cypress Automation

- Explore Cypress JSON file
- Fixtures & Static Test Data
- Keyboard Press Simulation
- Run All Specs Together
- Custom Commands
- Working with Select Box
- Screenshots
- Scrolling on the Page
- Read/Write Data into JSON / Local Data Files
- Assert Content Type
- Before & After Hooks
- Only & Skip Hooks
- Cypress.\$ Function
- Command Line - Run single test file in headless mode

4. Visual Regression Testing + Percy

- Project setup
- Linting setup
- Cypress JSON
- Cypress-image-snapshot plugin
- Custom functions - SetResolution, MatchSnapshots
- Test Scripts
- Fix plugin configuration
- Implement visual regression test
- Update base snapshots
- Implement responsive visual regression test
- Date& Time override
- Single Element Snapshots
- iTerm 2 - Real time reporter
- Disable failing tests flag
- Locally Override matchImageSnapshot options
- Percy - Introduction
- Percy - Integration with Cypress

5. Cypress with Cucumber + BDD

6. Cypress CI / CD Integration + Dashboard Service

7. Automation Framework

8. Cypress + Docker

9. REST API Testing with Cypress

Prerequisites:

- Basic Javascript knowledge or any other programming language

Who Can Attend:

- Manual Testers
- Automation Testers
- QA Engineers
- QA Architects
- QA Managers
- Software Developers

Number of Hours: 40hrs

Certification: Cypress

Key Features:

- One to One Training
- Online Training
- Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- Real Time Projects
- Virtual Live Experience
- Preparing for Certification