Automation Testing with Ruby Cucumber Training

Course Outline

Cucumber Background and Overview:

- Introduction and Goals

- Automation Overview Prerequisites to learn automation using open source

- BDD Background a. SDLC Models (basics) b. Agile and its methodologies (basic) c.BDD

- BDD automation tools in Market

- Introduction to Cucumber

- What is Gherkin, What is Cucumber, why Cucumber and how Cucumber works

- Cucumber In other platforms Availability of Cucumber in non-ruby platforms

- Ruby and JRuby Drivers.

- Brief about ruby and non ruby drivers, API Capybara

Ruby Cucumber Environment Setup:

- Install Ruby

- Install Cucumber

- Cucumber basic folder structure

- File types used in Ruby-Cucumber framework

Cuke Scripting (Basics):

- Gherkin Basics and Keywords

- Features and Scenarios

- Start writing Cucumber script

Cuke Scripting (Advanced):

STEP DEFINITIONS:

a. Step definitions creation

b. Capturing arguments in step definitions

c. Passing multiline strings

d. Regular Expressions (basics only)

e. Nesting StepsRUBY-CUCUMBER

PARAMETERIZATION:

a. Scenario Outlines

b. Data tables

ORGANIZE YOUR TESTS:

a. Tagging Scenarios

b. Tagging Levels

c. Running scenarios based on Tags with Examples

EXECUTION CONTROL:

a. Hooks

b. Types of Hooks

c. Examples

Ruby Basics (Basics Only):

- Variables

- String functions

- Conditional and Looping Statements

- Arrays

- Hash

Capybara:

- Introduction to Capybara

- Install Capybara

- Capybara settings

- Capybara functions Various capybara functions with examples

Cucumber Scripts Execution:

- Command Line Execution

- Using profiles

- Introduction to Cucumber.yml file

- Execution via Batch script

Basic Ruby-Cucumber Framework Creation:

- Config files creation

- Support files creation

- Driver settings

- Environment settings

Error handling

- Different kinds of error which you can encounter during automation

- How to solve them easily

- Good resources/help/forum to read

- Interview Preparation