**Part 5: Cypress E2E Web Automation | Assertions**

[**https://www.youtube.com/watch?v=z3IoHcqWxZg&list=PL420wS1j9Qm-waqnOYKoulatGexAPHziX**](https://www.youtube.com/watch?v=z3IoHcqWxZg&list=PL420wS1j9Qm-waqnOYKoulatGexAPHziX)

# Part 1: Cypress E2E Web Automation | Introduction | 2022 Series

# <https://www.youtube.com/watch?v=69SFwgWHUig&list=PLUDwpEzHYYLvA7QFkC1C0y0pDPqYS56iU>

# Part2 : Setup and install and run cypress

# <https://www.youtube.com/watch?v=cnnkb0AuIFI&list=PLUDwpEzHYYLvA7QFkC1C0y0pDPqYS56iU&index=2>

# <https://www.youtube.com/playlist?list=PLUDwpEzHYYLvA7QFkC1C0y0pDPqYS56iU>

# Complete Course

# npx cypress open

# npx cypress run (headless by default) runs all test cases headless mode

# npx cypress run –headed

# npx cypress run –spec cypress/e2e/Myfirsttest.cy.js to run specific file headless

# npx cypress run –browser chrome (headless) to run in specific browser headless

# npx cypress run –browser chrome --headed to run on browser headed

# 

# 

# describe(‘functionaly name’),()=>{

# it(‘my first test case about’, ()=>{

# })

# })

# LOCATORS🡪

# Console – Cntrl + F OR

# Use SelectorsHub chrome extension and use to search

# In commands.js UNDER support add ///<reference types=”Cypress” />

# ///<reference types=”cypress-xpath” />

# Also, under e2e.js UNDER Support add require(‘cypress-xpath’)

# 

# Use LET OR VAR OR CONST for declaring variables…

# ; Semi column at end of each statement is optional in javascript…

# Single quotation inside another single quotation is not allowed.. so, use “ first and inside use ‘ for cy.get

# 

# 

# XPATH – InstallPlugin check cypress plugind for details

# Run on terminal npm install -D cypress-xpath

# 

# 

# Chained xpath…

# ASSERTIONS 🡪

# IMPLICIT are SHOULD , AND

# EXPLICIT are expect , assert

# 

# OR

# 

# OR

# 

# Cy.title 🡪 look for title tag name in cosole window body.. ,manually launching site not thru automation.. Look for tag <title>

# 

# LOGO verify – use get locator details from runner and select element on UI🡪logo

# 

# 

# Above Implicit can all have NOT 🡪 not.eq – not.contain – not. Exists – not.have.length – not.have.value etc…

# EXPLICIT are expect is BDD

# , assert is TDD ----🡪

# Explicit ssertions are Customised they are not Built in..

# 

# OR expect(actName).to.not.equal(expName) – Negative

# 

# 

# INTERACTING WITH ELEMENTS – RADIO BUTTON ------🡪

# 

# 

# SELECTING all checkbozex available at once – Get locator that will select all check boxes

# Ex: class and tag ad attribute are same for all check boxes use this Locator ..

# 

# 

# INTERACTING WITH DROPDOWN ELEMENTS ---🡪

# 

# We have select tag here-🡪

# 

# 

# Below No Select Tag available-🡪 this is called BOOTSTRAP ELEMENT

# 

# Type and select ( use get location for the type box first and ENTER)

# Ex: type Italy and enter (will select that value)

# 

# Auto Suggested Drop Down --🡪

# 

# 

# Selct locator that identifies all suggested list

# Here it is .suggestion-title

# 

# DYNAMIC DROPDOWN --🡪

# 

# 

# Select locator that selects all suggested options..here span is child..

# So use as div.class>span

# Need to use each function to capture for each and every suggestion.. also calles as JQUERY

# 

# ------🡪 Also, try using cy.get(‘div/wM6W7d>span’).contains(‘cypress automation tool’)

# 🡪 But, since it is dynamic may not always work…

# Use wait sometimes to capture suggestions…..

# 

# INTERACTING WITH ALERTS:

# Check Catelog of events in cypress documentation 🡪 window:alert /

# 

# 

# 

# Confirmation Alert : -🡪 window:confirm

# 

# 

# 

# If u want to click cancel button on alert window use below code:

# 

# Prompt Alert -🡪

# For this alert🡪 step1 – before clicking on button we need to trigger alert first and then click alert button

# 

# When clicked ok by default by cypress..

# 

# 

# If want to click cancel button use below

# 

# Authenticated Alert -🡪

# 

# 

# Inspect—go to selector hub- use css selector

# 

# Can also use below line to authenticate:

# 

# PART10 🡪 Handling Child Tabs

# When clicked on link on a page , it will open another new widow or new tab…cypress does not support switch windows…workaround is to remove target attribute from dev tools and see…it will open in same window..

# 

# After we remove target attribute..

# 

# Below is CSS Selector for link: .example >a

# 

# 

# Second approach -🡪 for the above link (.example >a) we can capture the href attribute value into variable

# and use cy.visit to open on same window

# 

# PART 11 🡪 Handling IFRAMES

# 

# 

# 

# Second approach 🡪 create custom command under support- commands.js

# Copy the iframe locator code under below statement cypress.commands.add(‘say as getname’, (parameter pass as iframe) to get locator..

# Add return statement

# 

# 

# To call this getIframe is the command and pass locator in parameter..

# 

# Third approach – Iframe by using PLUGIN (New approach) 🡪

# 

# Add below line on top to use iframe commands in script..

# 

# 

# PART12 🡪 Handling TABLES

# Login to application -go to customers menu link – select tables..

# 

# Under customers we have child elements to select..

# 

# #menu-customer>ul>li:first-child

# After selecting we will be navigated to table page…

# 