Deloitte.



Selenium Best Practices



Your Deloitte Team



Christian Wenner
Senior Consultant, Deloitte Consulting LLP
Government and Public Services
Arlington, VA



Zach RomacAnalyst, Deloitte Consulting LLP
Government and Public Services
Arlington, VA



Rohil Chada
Analyst, Deloitte Consulting LLP
Commercial
Pittsburgh, PA



Michaela Chew
Analyst, Deloitte Consulting LLP
Commercial
Boston, MA



Jimmy FabrizioCampus Recruiting Specialist, Deloitte Services LP
Pittsburgh, PA



Casey HamptonCampus Recruiting Specialist, Deloitte Services LP
Atlanta, GA

Agenda

- 1 Components of a strong Selenium framework
- **2** Demo
- **3** Do's and Don'ts
- 4 Advancing your scripts
- **5** Q&A

Strong Selenium Frameworks Have:

POM DESIGN

Page Object Model (POM) promotes organization, maintainability, and efficiency



Separation of Data and Scripts

Test data should be stored in separate data files and should not be hardcoded in scripts

Logging Mechanisms

Tests should produce both a test results file and a step-bystep log file

Explicit Waits

Elements should have explicit waits baked into its POM design

Demo

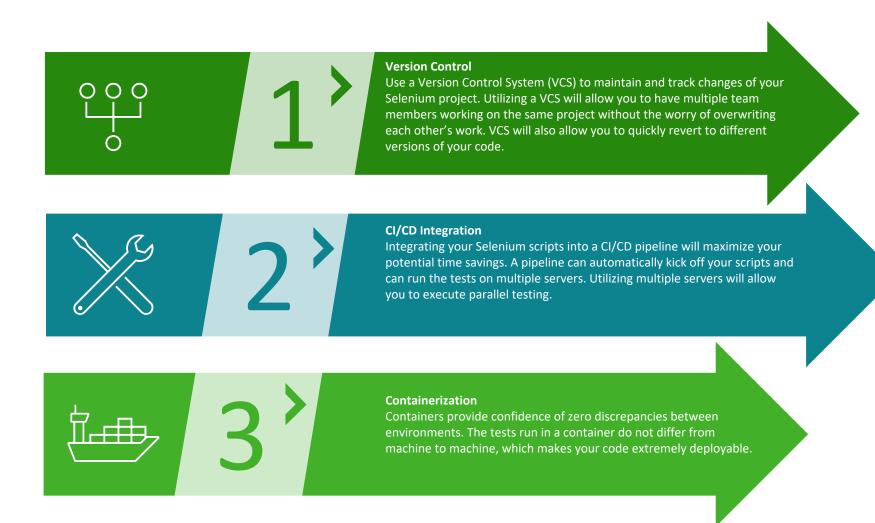
Demo does not contain confidential/proprietary information

Do's and Don'ts

Do	Don't
Keep solution self-contained	Have hard-coded file paths
Use relative Xpath	Use absolute Xpath
Keep code modular	Create long methods
Use Setup and Teardown methods	Put redundant code in every test case
Create snippets for common actions	Put redundant code in every test case
Keep code OS & browser agnostic	Use exclusive code
Provide comments in your code	Create code without explaining its purpose

Advancing your scripts

Things to add to your Selenium framework to maximize results



Questions?

Recruitment Updates – Fall 2022

- (1) Commercial and GPS roles, Full Time and Intern
- **2** More on campus events!
- 3 Classroom Presentations, Info Sessions, and Coffee Chats
- 4 We want to hear from you! Reach out with any questions or just to chat!

Recruitment Updates – Contact Info

Jimmy Fabrizio

Commercial Recruiter

Campus Recruiting Specialist, Deloitte

Services LP

jfabrizio@deloitte.com

Casey Hampton

GPS Recruiter

Campus Recruiting Specialist, Deloitte

Services LP

cashampton@deloitte.com

Deloitte.

Thank you!

This presentation contains general information only and Deloitte is not, by means of this presentation, rendering accounting, business, financial, investment, legal, tax, or other professional advice or services. This presentation is not a substitute for such professional advice or services, nor should it be used as a basis for any decision or action that may affect your business. Before making any decision or taking any action that may affect your business, you should consult a qualified professional advisor. Deloitte shall not be responsible for any loss sustained by any person who relies on this presentation.

Deloitte refers to one or more of Deloitte Touche Tohmatsu Limited ("DTTL"), its global network of member firms, and their related entities (collectively, the "Deloitte organization").

DTTL (also referred to as "Deloitte Global") and each of its member firms and related entities are legally separate and independent entities, which cannot obligate or bind each other in respect of third parties. DTTL and each DTTL member firm and related entity is liable only for its own acts and omissions, and not those of each other. DTTL does not provide services to clients. Please see www.deloitte.com/about to learn more.

Copyright © 2022 Deloitte Development LLC. All rights reserved.