

Web Automation

Normandy Control Shield

By
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Hello!

I am Emily Pedersen

I am a rising senior at UC Berkeley
majoring in Computer Science
and Cognitive Science.

I am a web automation intern for
the Product Integrity Team.

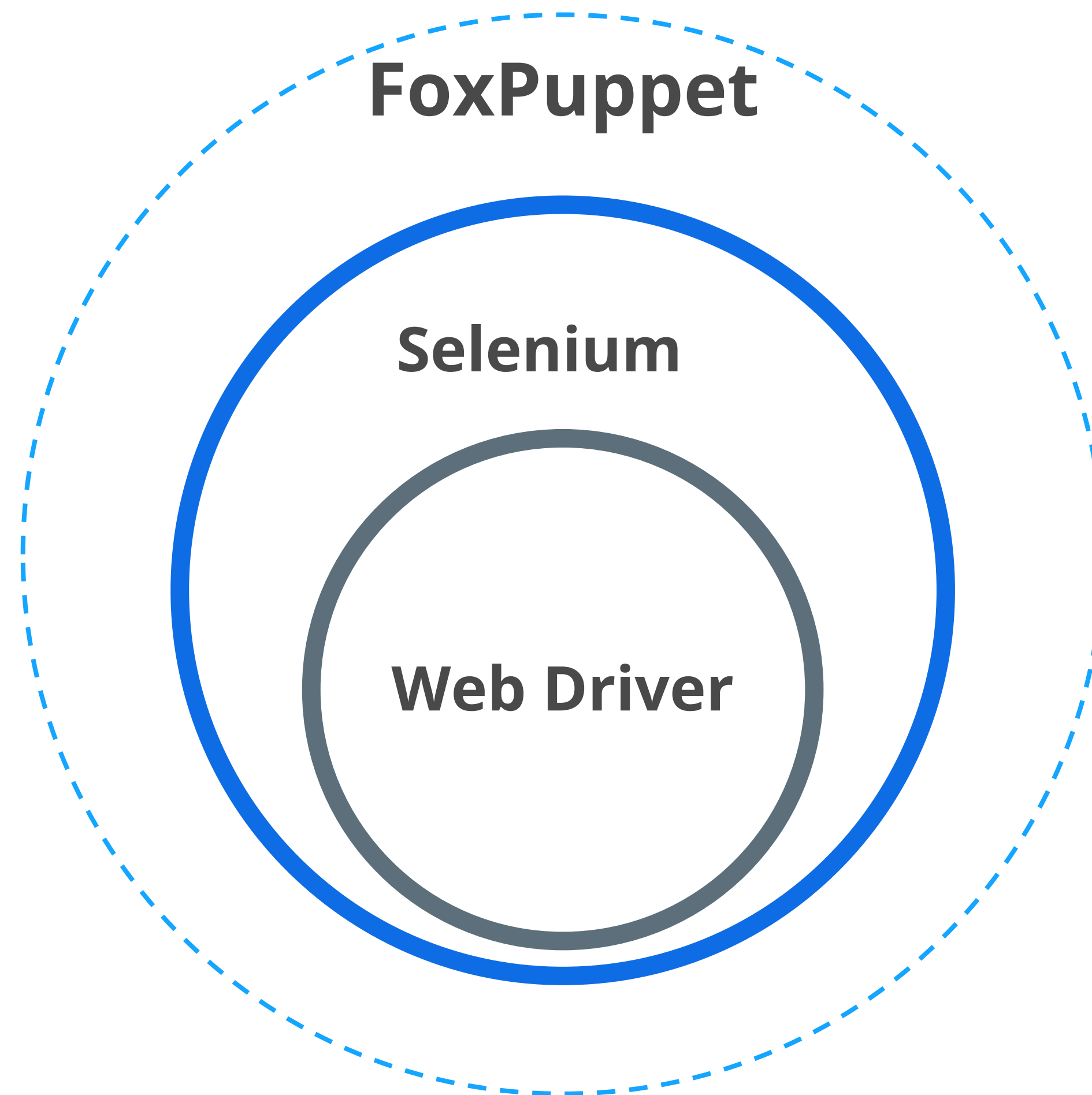
Outline

- ✓ Key Concepts
- ✓ Goal, Process, & Status of Project
- ✓ Lessons Learned
- ✓ Demo

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Key Concepts

What is Web Automation?





**What is the
Normandy Control
Shield?**

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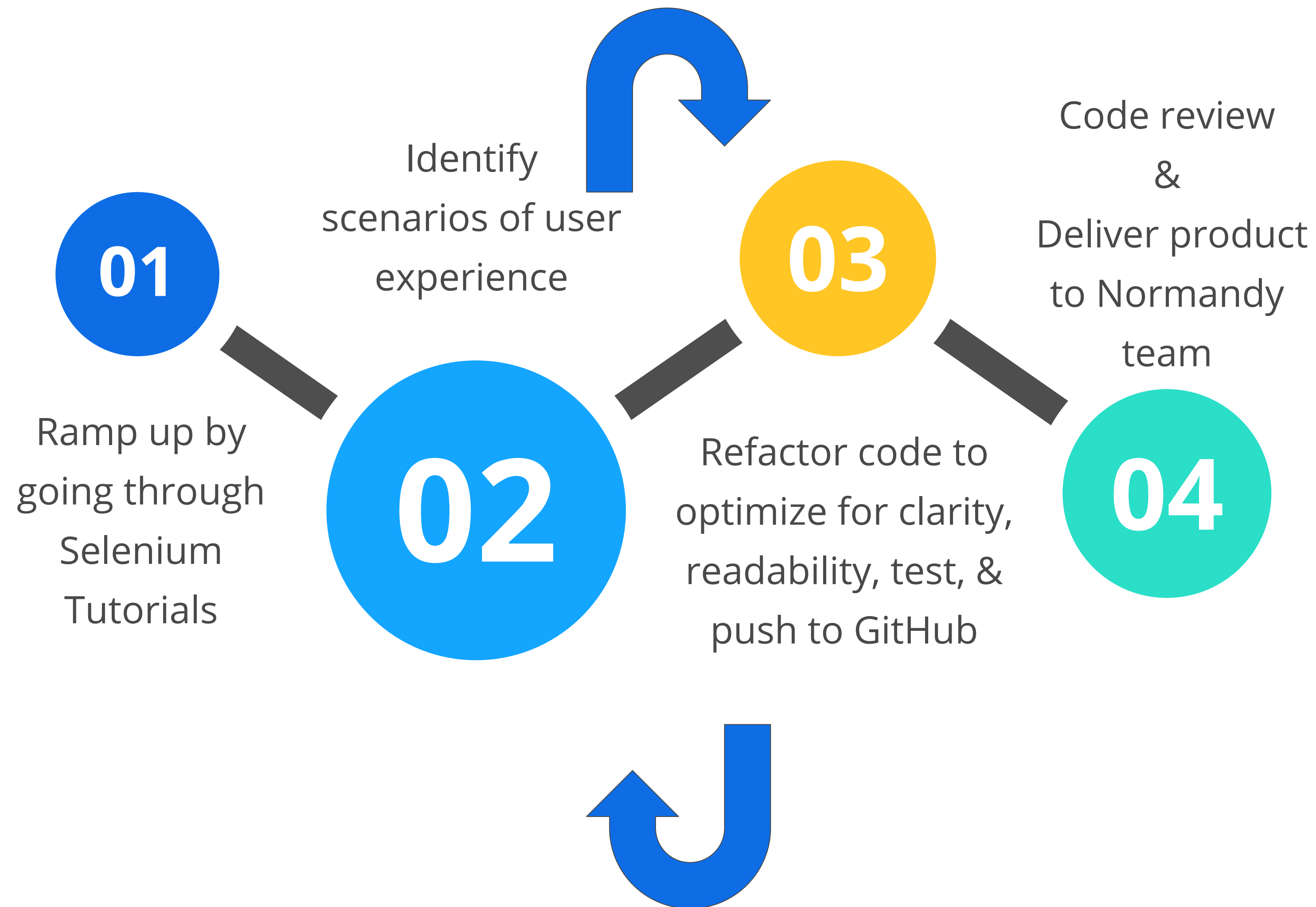
Goal, Process, & Status of Project

Project Goal

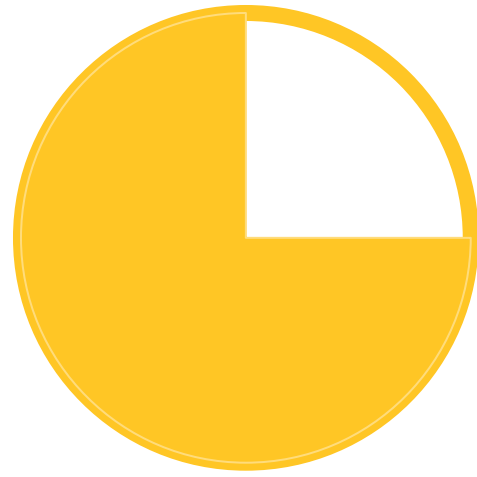


Develop web automation scripts for Normandy Control Shield UI to facilitate continuous integration systems as part of company's process improvement goals

Project Development Process

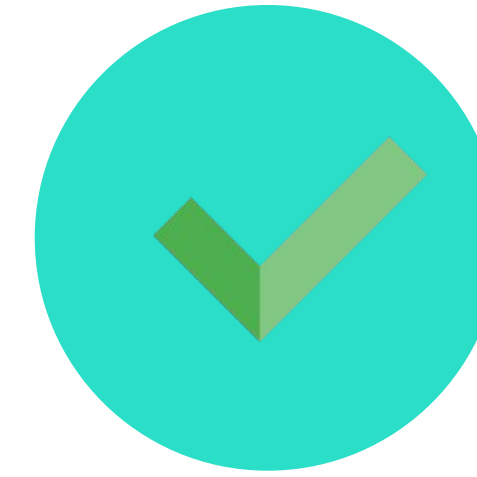


Project Status



In-progress:

- Update CSS selectors and page object models to reflect Normandy's UI changes for a dev branch



Completed:

- Master branch code review
- 1st iteration of Normandy UI Automation testing

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Lessons Learned

Lessons Learned

Open Source Community

How to contribute
to github and how
to use git

Expanded Python toolkit

Python library, &
Plugins, such as
Pytest, &
Pytest-Selenium

Best <Coding/> practices

Virtual environments,
package managers, &
python coding style

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Demo



Project Demo

Screen recording of Selenium taking control of the Firefox Browser and selecting DOM elements on the Normandy Control Shield

Big Thanks to...

Chris Hartjes

Stuart Philp

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Richard Pappalardo

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Benny Forehand Jr.

Thanks for Coming!

Questions?

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