**Assumptions:**

Due to the vague nature of the Challenge, these assumptions were made in order to complete it.

1. Target for the challenge was Delta’s website “Book a Flight” page for testing purposes
2. No preference on tools/language/framework
3. GitHub will be used to hold the script work but I will also include it in the submission of files to Amy
4. Context in submitted documents and test cases to show thought process
5. Understanding how to leverage selected tools as needed for the challenge
6. Do not get hung up a hurdle – give it a best shot and move on
7. Convey test strategy – Assuming Agile development

**Technical Details:**

Development environment and tools will be listed here along with initial reasoning.

Visual Studio Code: <https://code.visualstudio.com/>

Free, flexible text/code editor popular with browser testing. It’s not a full IDE so I needed to configure it for the challenge to edit Python.

Selenium WebDriver (Python): <https://www.selenium.dev/downloads/>

ChromeDriver (Testing in Chrome): [https://googlechromelabs.github.io/chrome-for-testing/#stable](https://googlechromelabs.github.io/chrome-for-testing/" \l "stable)

Selenium was selected based on user base and popularity in the event I need to research of overcome a block.

Python was selected due to it’s easy readability not really knowing what the ideal mix of tools is for the challenge. I took this as way to experiment. I may also submit a script in an alternate language if time permits.

Libre Office: <https://www.libreoffice.org/download/download-libreoffice/>

Notepad++: <https://notepad-plus-plus.org/downloads/>

Focused on free text editors as I don’t have O356 on my personal laptop.