**govini-site-crawler Software Test Plan**

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### **Introduction**

The goal of this Software Test Plan is to devise a set of instructions and test-case scenarios on how to test the use and results of the script *govini-site-crawler*. The script *govini-site-crawler* is a python web crawler utilizing the python library *selenium* to accomplish scraping data from website.

### **Resource**

Interviewee - Christohper R. Herman

### **In** **Scope**

Python library utilized for script is *selenium*. The website used to search and scrape data from is [*https://apps.dtic.mil/dodinvestment/#/advancedSearch*](https://apps.dtic.mil/dodinvestment/#/advancedSearch) with the search term *0603680F*.

### **Out of Scope**

Any other website or search term is out of scope of this project.

### **New Functionality**

This is a new created code, therefore, there is no new functionality (i.e. no regression tests).

### **Performance Testing**

This script is very simple and very little performance improvements at this time as in most of the leveraging is done by the third-party library, *selenium*.

### **UAT**

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| User Acceptance Testing | |
| 1. | User is able to run a script named: *run\_crawler* |
| 2. | Chrome WebDriver runs in `headless` mode (i.e. Chrome does not appear) |
| 3. | Results from the search are returned to the terminal as a json/dict object |
| 4. | Unit Tests have been created for the script |
| 5. | Integration test(s) have been created for the script |

### **Assumption + Risks**

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| Assumptions | |
| 1. | URL: https://apps.dtic.mil/dodinvestment/#/advancedSearch |
| 2. | Search Term: 0603680F |

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| Risks | |
| 1. | Slow internet connection may lead to a timeout |
| 2. | Slow database server may lead to a timeout |