Deliverable 2

Our Testing Framework

Originally, our team had begun to work with the Pokemon GO Pokemon finder. This was an application that allowed users to “cheat” at Pokemon GO by finding Pokemon located on a map rather then leaving it to random chance. We made some of our decisions for the semester with this project in mind, but unfortunately on or around October 12, 2016, Niantic Games shut down all access to their servers for API usage. This effectively ended the application we were working on, as Niantic cited that these type applications were using up too much of their server space and slowing things down for their legitimate users who were going out and running to find the Pokemon.

Our team plans to develop our testing framework in Python, largely because our project, the Riot Games API Python Wrapper (formerly the Pokemon GO Pokemon Finder), is also written in Python. We believed it would be easiest to associate our project and framework with each other if we developed using the same language and also we all had a familiarity with Python.

The way we intend for our test driver to work is by reading the directory of test cases and grabbing the required information from each test case. This template includes information such as the test id, the requirement being tested, the component being tested, the input of the test case, the testable method, and the expected output. This information will be read from each .txt file and loaded into a array of test case objects. Once the test cases are finished loading, the methods that we are testing will be run and the result of the method calls will be compared to the expected output of each test case.

Finally, we plan to print the results to the browser in an easy to read, digestible format.

Our team originally had a large number of test cases defined for the Pokemon GO application, but since it has been taken down we had to work to create 'dummy' test cases to work with our test driver to demonstrate in class. We wrote a simple add method in Python, that took two integers and added them together, in order to demonstrate our testing framework's ability to complete tests.

As far as our team goes, we are working very well together. We each have different skills that we bring to the table and each have a unique way of approaching our problems. We think that we will be able to get a lot done and be very efficient and flow well throughout the project.