

Report

Assessment 1- Module code:MPHYG001-
Student number: 16059576

Maria Stasinou

1/6/2017

The aim of this report is to provide a description of the assessment 1 in the course 'Research software engineering with Python'.

The Greengraph package we constructed in this assessment can be installed with :

pip install git+ <https://github.com/margot17/assessment>.

The usage of my entry point is: greengraph--city1--city2--number of steps.

As far as problems are concerned , I felt quite insecure about the test implementation. Furthermore when trying to use some methods , errors were raised. I suspect this might be due to the changes in the syntax of Python 3 comparing to older versions. Personally, I do not have the appropriate experience in Python in order to feel flexible enough to take action.

One of the main advantages when preparing work for release is the support that the creator of the code might get from the corresponding community. In particular, if the work is released as 'open source' other people might be interested in contributing. The result would be a more stable, final version. Furthermore, the cost of ownership might be lower and there is no limitation on what other vendors you can work with. When coming to disadvantages, I could think of the quick dissipation of the community and the fact that anyone can exploit your own work making a competing product. Furthermore, planning might get difficult due to the fact that there might be many people involved. Thus, it might get more difficult coming to an agreement.

In this report we created a setup file so as the Greengraph could be installed with pip. Generally, Pip and PyPi are considered an easier way to install and uninstall modules. In order now, to build a community of users one needs to arrange the code in a way that should be comprehensible by others, set a development web site together with email lists and write maybe documentation.