

COMP SCI 4TB3: Development Plan Python Enhancements: Adding Swift's External-Internal Function Argument Names &

Authored By:
Ahmed, Zak
Oliveira, Pedro
Selvathayabaran, Piranaven

The following official document is an agreed upon plan on how the COMP SCI 4TB3 “Final Project” will be carried out. It contains information regarding how the project will be managed, implemented, reviewed and any other critical details that need to be defined. The Development Plan is subject to change and any modifications will be noted in the Revision History Section.

Contents

| | | |
|----------|--------------------------------|----------|
| 1 | Project Description | 2 |
| 2 | Project Schedule | 2 |
| 3 | Team Meeting Plan | 2 |
| 4 | Team Communication Plan | 2 |
| 5 | Team Member Roles | 3 |
| 6 | Technology | 3 |
| 7 | Resources | 3 |
| 8 | Revision History | 4 |

1 Project Description

2 Project Schedule

| Weekly Project Schedule | |
|-------------------------|---|
| Date | Milestone |
| Week 1 | Adding swifts internal and external function argument names |
| Week 2 | Language construct: Do-While Loop |
| Week 3 | Language construct: Case Switch |
| Week 4 | Poster and presentation |

Work Distribution: Each team member will be expected to contribute to each milestone leading up to the final presentation.

3 Team Meeting Plan

The team plans to meet every Monday, Tuesday & Friday at the pre-defined times listed below. These dates and times are subject to change. A member of the team will email Dr.Sekerinski to organize a meeting in case it is needed.

| Weekly Meeting Schedule | | |
|-------------------------|------------------|------------------------|
| Date | Time | Location |
| Monday | 12:30PM - 2:30PM | Thode Library Room TBD |
| Tuesday | 12:30PM - 2:30PM | Thode Library Room TBD |
| Friday | 1:30PM - 3:30PM | Thode Library Room TBD |

4 Team Communication Plan

The team has decided on three lines of communication:

1. **GitLab:** Utilized for communication on tasks related to the project implementation. Information relevant to all stakeholders and may be needed for future use should be posted here. Comments should be made on Gitlab issues such that all parties are aware of details and rationales for decisions.
2. **Email:** This is for any communications with Dr.Sekerinski, the TA's and any other third party. These are meant to be formal in nature.
3. **Facebook(Messenger):** Used for the initial communication between group members. Change in meeting plans and confirmation of meeting times will be conducted through here if more convenient.

5 Team Member Roles

Scrum Master - *Piranaven* : In charge of making sure GitLab is up to date and in standard . Tasks are well formed and divided equally amongst agile

team members. Responsible for speaking to internal and external stakeholders to ensure issues are created and work is documented.

Note Taker- *Zak*: Responsible for taking detailed notes during meeting's with Dr.Sekerinski or the TA's. Also, in charge of taking meeting minutes during team meetings scrums, standups, retrospectives, etc.

Repo Administrator - *Pedro*: Responsible for ensuring that the GitLab Repo is up to date. In charge of making sure README.md's are accurate and verifying any commits, merges, issues created are of standard.

Developer - *Piranaven, Zak, Pedro*: Responsible for abiding by the coding style rules listed below. Responsible for delivering high quality code which meet the requirements of the tasks created. Provide insight towards design and development decisions.

6 Technology

Programming Language : Python

IDE: Visual Studio Code, Atom, Sublime , etc. There are no restrictions

Testing Framework : PyTest - <https://docs.pytest.org/en/latest/>

Documentation Generation : Sphinx - <http://www.sphinx-doc.org/en/master/>

7 Resources

Pyhthon Grammar

Python Ref

8 Revision History

Table 1: Revision History

| Date | Developer(s) | Change |
|------------------|-----------------|---|
| March 13th, 2019 | Piranaven Selva | Make Foundation for Development Plan #6 |