Introduction to Software Engineering Practice (INFO9117)

Semester 1, 2015

Assignment 2
Group Project Initial report

Project Team Members Names and Sign-off:

Name	Signature
Fathimath Mohamed	*F. Mohamed*
Lei Zheng	*L. Zheng*
Ivanilda Joiane Couto Rodrigues	*Ivanilda J. C. Rodrigues*

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Initial Project Report

1. Project Overview

The aim of this project is to extent the functions of a web application built in Flask framework based on user stories given each week. Because it depends on the user stories release, the scope cannot be provided.

2. Project Team Members

Name	Email	Mobile
Ivanilda Joiane Couto Rodrigues	icou6806@uni.sydney.edu.au	+61 452 205 080
Fathimath Mohamed	fmoh6538@uni.sydney.edu.au	+61 452 099 606
Lei Zheng	lzha5646@uni.sydney.edu.au	+61 415 226 858

3. Work Progress

Each meeting report will be updated into the Trello INFO9117 - Assignment 2 Board and the report will consist of the following parts:

3.1. The minutes of the meeting;

3.2. The tasks which were achieved;

3.3. The tasks that need to be solved;

3.4. The work allocation that is still pending on each group member.

3.1 Work Break Down

The work distribution will be analysed according to each user story. The main branch can be divided by several branching styles or patterns, in other words, branch for each feature, branch for each release, etc. The use of the more comprehensive guide will depend on each given user story.

3.2 Work Assign

Based on Team Velocity Estimate, each task will be equally divided between the members of the group. At the moment the group has 3 members and the total team velocity is 30 points (for each member is allocated 10 points). The points' assignment depends on the difficulty of a task and the they are calculated based on the Fibonacci Sequence.

The sequence calculation is: **Team velocity = Total points/Sprint**

4. Communication Plan

Since the project is small and only involves few people, the communication is held in a simplistic way. Moreover, as it is a student project, the information security and privacy issues will not be considered. All the communication are cross-platform based. For example, Slack, mobile text or talk, and meetings will be frequently held during the project development for issues and confirmations of problems and solutions. Google Drive, as a cloud based editing tool, a hub like environment, is used to allow the members to perform all related communication on this platform. Trello is used as a whiteboard like checking list, to manage the project progress. All the checkpoints will be listed and modified along with the project development need. The code sharing is strictly managed within GitHub.

4.1 Activity Schedule

The agile project methodology is used during the whole project development in which the aim is to deliver the maximum user requirements per sprint. Each sprint will last for two weeks.

Activity Name	Periodicity	Duration	Location	Start time
Project planning	One per Project	On Demand	SIT Building Room Lab 118	Monday 7pm
Release planning	One per Release	On Demand	SIT Building Room Lab 118	Monday 7pm
Sprint	Fortnightly	14 days	SIT Building Open Plan 110 Area	Depend on individual
Sprint planning	Fortnightly, in the beginning of the sprint	On Demand	SIT Building Open Plan 110 Area	Tuesday 11am
Sprint scrum	Daily	30 Min	Online: Slack chats Trello activities/tasks management	12pm
Sprint review	One per Sprint	On Demand	SIT Building Open Plan 110 Area	Thursday 11am
Sprint retrospective	One per Sprint, at the end of the Sprint	On Demand	SIT Building Open Plan 110 Area	Thursday after Sprint review

4.2 Communication Tool

Platform (group name)	Purpose	Invitation Action	Homepage Link
Google Drive (info9117 file)	Writing the Assignment Report	Contact Ivanilda J. C. Rodrigues for the group invitation	https://accounts.google.com/SignUp
Slack (info9117 group)	Group Chat	Contact anyone in the group for invitation	https://slack.com/signin
Trello (Info 9117 - Assignment 2)	Project Management	Contact anyone in the group for invitation	https://trello.com/login?returnUrl=%2Flogged-out
Github (Info 9117)	Coding and Version Control	Contact Lei Zheng for the group invitation	https://github.com/join
Mobile and Email contacts	Please refer to section #2.		

5. Work management Plan

As the team will be constantly making changes in the code, Git and GitHub will be used as the version control system. Parallel development is enabled by branching from the Master Branch (inside the central repository INFO9117GROUPASSIGNMENT). After changes are done in your local code and committed, this code should be pushed into the Github central repository, merged, in which will allow the members to access the latest version and also, if necessary, make changes on it.

Tool Name	Functionality	Download page	Signup Link
Git	'Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.' (Git, 2015, Homepage, para. 1).	Download the Git version for your system: http://git-scm.com/downloads	NA

GitHub	'Online project hosting using Git' (Github, 2015, Homepage).	NA	https://github.com/
PyCharm	Integrated Development Environment (IDE) which is used to program using Python language.	Download the PyCharm version for your system: https://www.jetbrains.com/pycharm/download/	NA

6. Quality Assurance Plan

To ensure the quality of the coding produced, the project has to meet all the requirements of the user story and also it should pass the acceptance test. Unit test coding is written before the user story implementation, and once the user story requirements have been met, the coding is tested by the acceptance test.

In order to smooth the overall development process, peer review (searching for code improvement) is periodically implemented.

7. Issue Log

The way to identify the difficulties is, as the members go along implementing the user stories and unit/acceptance tests. The problems should be noted down and then, first of all, try to individually solve it and if that does not work, ask team members for help. If still the problem remains unsolved, the group should look at external resources (friends, internet research, etc.) or ask for tutor support (Wai Wong).

8. Contingency Plan

If any major conflict occurs the members are responsible to arrange an immediate meeting and sort the problem out. Extra hours of external assistance might be required from the tutor.

References

Git (2015). Homepage. Retrieved April 04, 2015, from http://git-scm.com/
GitHub (2015). Homepage. Retrieved April 04, 2015, from /https://github.com/home