Weekly Report 2

Activity Log:

30/07/2019:

- All group members created a simple installer over the weekend to get familiar with InnoSetup scripting. Jamie figured out how to compress an entire folder/subfolder structure into an installer .exe and have the installer install these to Program Files.
- Jamie also put together a spreadsheet of discrete tasks he could understand from the old installer script. **Link provided.**
- Had another group meeting. Jacob will do the same as Jamie and go through the installer script, see if he agrees with the separate tasks Jamie has indicated in the spreadsheet. He will make any changes, and then enter these 'modules' into the issue tracker on GitHub.
- Ricky will start figuring out how to write code (Pascal) in InnoSetup.

31/07/2019:

- Jacob added the distinct tasks in the spreadsheet to the GitHub repository's issue tracker, and a project, milestone and Kanban board were created to track these issues. They will be checked out/assigned to group members as they are worked on. **Link provided.**
- Ricky and Jamie are looking into how options (radio buttons, dropdowns) are created in Inno Script.
- Jamie has figured out how to execute an external .exe during the installation process.
- Giovanni working on Use Case diagram.

1/08/2019:

- Jacob created another spreadsheet to identify dependencies in the code. Each distinct 'task' in the old Wise script will be inspected for where variables are initialized, and where dependencies on variables created elsewhere lie. This should help us order the development of the tasks/modules and get properly started scripting!

2/08/2019:

- Further progress on dependencies spreadsheet. **Link provided.**
- Giovanni will script frontend (installer wizard) features over the next few days, ignoring backend for now.

3/07/2019:

- Ricky has been assigned the first proper issue-tracked task, Set Installer Variables. He is to find out how this block of code (about 150 lines) is to be implemented in Inno.

- Jacob finished dependencies spreadsheet and was able to order tasks on GitHub; there are about 8 very easy or very critical tasks which must be worked on first, then most of the remaining issues have dependencies on those initial 8 tasks, with two issues needing to be done last as they have dependencies outside of those 8 tasks.

Individual reports

Giovanni

As discussed in the group meeting through the audio conference on Discord, we decided that our next step is to become familiar with how the Inno Setup script works. It was decided that we try to install a sample file in the application. I was able to do this without any problems. My first impression is that InnoSetup makes it easy to compile applications for Windows installation. This activity is basic preparation for the work of converting the old Enabler application set up script to work with the Inno Setup script. Before I thought the project would be difficult as I have never done any setup scripting for Windows before. This activity has given me enough confidence to work on the project.

Jamie

Researched Wise scripting syntax (the client's script language), Inno Setup scripting syntax (the new script language the client wants the project written in), and Pascal (for fine grained functionality in Inno Setup scripts). Created basic install scripts written in Inno Setup script that created installation executables to familiarise myself with the language. Helped break down project into individual tasks/issues.

Siqi Zhao(Ricky)

I have Learned Help Document of Inno Setup. Understood the role and function of each section of Inno Setup script. Finely, completed a simple installer by using Inno Setup. I have Learned WiseScript and had a look at the old WiseScript. Especially, focus on more than 2000 lines later. For [Code] section of Inno Setup, it was written by Pascal Script, So I have learned the syntactic rules of Pascal Script. In addition, I written a part of the code to achieve the radio button which can be chosen by user. In order to implement the user choose Client or Server version to install.

Jacob (Group leader)

I will keep my sections here short as all this is already in the activity log. I familiarized myself with InnoSetup scripting last weekend. I entered 32 anticipated tasks into GitHub issue tracking and created a Project, Milestones and a Kanban board. I created a second spreadsheet to figure out variable dependencies in the old code, so I could make an order of priorities for the tasks. I have also been making significant progress each week on the Week 4 report as the project has revealed itself.

Appendix

GitHub issue tracking and Kanban board (only Shawn and team members can view):
https://github.com/16430978/installer-capstone/projects/1

Project plan spreadsheets:

- Dependencies:
  https://docs.google.com/spreadsheets/d/1SdETWs8JnK-qYgpxqGSBiMN7VYvaaBcpQ_94nxT9jxw/edit?usp=sharing

- Tasks/issues:
  https://docs.google.com/spreadsheets/d/19XezZA3l-hzyD3eZUbFKjSlOmy8_6nIBnk8FFIgPWNo/edit?usp=sharing