

Kyawt Kyawt San – Project Portfolio for ModPlan

About the project

My team of 4 software engineering students and I were tasked to come together to enhance a basic command line interface desktop application for our CS2113T software engineering project. We chose to morph our Duke project into NUS student modules online management system called ModPlan. This enhanced application enables NUS students to record their modules data, their CCA schedule and calculate their CAP result effortlessly just by inputting the grade.

My role was to design and write the codes for the `show` and `reminder` features. The sections below depicts these enhancements in more detail, as well as the relevant documentation I have added to the user and development guides with regard to these enhancements.

Note the following symbols and formatting used in this document:



This symbol indicates important information to take note of.

`show`

A light grey highlight with a black word indicates that this is a command that can be inputted into a command line and executed by the application.

`ModuleCommand`

A dark grey highlight with a blue word indicates that this is a component, class or object in the architecture of the application.

Summary of contributions

This section shows a summary of my coding, documentation, and other helpful contributions to the team project.

Enhancement added: I added the ability to show reports and lists of the cca and module via the show command.

- What it does: The show command allows the user to see a list of specified modules or ccas added in the module or cca list respectively.
- Justification: In the event that the user want to see a list of certain modules or a list of the CCAs added, the show command enables users to see that specified list. For instance, if they want to see the list of only the core modules added, they can do so using the show command.
- Highlights: This enhancement works with existing as well as future commands. An in-depth analysis of design alternatives was `necessary to` This enhancement currently works well in showing the existing modules and CCAs added in the first semester. In the future, the existing modules can be added to the second semester and further extended to other years. The implementation was challenging because of a few reasons. As for the `show core` command, it was difficult to print out the list of only the core modules added as the list of the core modules for the CEG students does not follow a certain algorithm. To overcome this challenge, I hard coded the list of core modules taken by the CEG students.

- Credits: As the `ShowCommand` is an extension of the parent class, `ModuleCommand`, the credit would go to my teammate, Iman, who have created the `ModuleCommand` parent class.

Code contributed: Please click the following links to view a sample of my code.

Contributions to the User Guide

We had to update the original addressbook User Guide with instructions for the enhancements that we had added. The following is an excerpt from our ModPlan

Contributions to the Development Guide

