

PROGRESS REPORT

Project Title: CLICK
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Date started: 1st October 2021
Target date: 10th November 2021
Progress of work: 60%

INTRODUCTION

CLICK is a **desktop app for managing modules, lifestyle, schedule, and CAP planning, optimized for use via a Command Line Interface (CLI).**

Target Audience: Students, and in particular students from NUS

Objective: To allow students to manage their daily activities by using a single app with features useful to them like CAP planning, managing modules, journaling, food and calories recorder, and scheduling daily tasks. The objectives for the application include:

1. To allow users to create and manage journals.
2. To record the modules you are taking, and calculate the CAP based on the expected grades.
3. To record food consumed thus far
4. To record tasks with the day and have it show on a calendar.
5. To record zoom links as easily accessible shortcuts.

The project comprises 3 phases spanning 7 weeks (Table 1).

PROJECT PHASES

Tag	Due by	Overview
V1.0	October 13, 2021	MVP (Minimal Viable Product)
V2.0	October 27, 2021	Increments of functionality
V2.1	November 10, 2021	Clean code, all features in user guide implemented

REQUIREMENTS

In order to create a working application, the following issues must be addressed,

Issues	Work Completed	Work Remaining	Challenges
Journaling	<p>Allows for creation of notebooks and entries within them.</p> <p>Also allows for users of the app to see the complete list of features.</p> <p>For example:</p> <p>journal notebook n/CS2101 will allow for creation of notebook of name CS2101</p> <p>journal entry n/CS2101 e/HW will allow for the creation of an entry of name HW within the notebook CS2101.</p> <p>journal list will allow users to view the list all the notebooks with their entries so that users can use them to get an overview of what notebooks and entries they have created and also know which notebook they might want to create an entry in.</p>	<p>Have to allow for the adding of content inside the entries.</p> <p>Have to allow for users to be able to find a particular notebook so they can add in an entry or a particular entry so they can add content to it.</p>	<p>Currently, notebooks with duplicate names can be added. This problem will need to be addressed.</p>
Calendar	<p>Allows for adding of tasks, listing of tasks and deleting of tasks. Allows users to add a task by giving a task description as well as a date in 'dd-mm-yyyy' format.</p> <p>Allows users to list tasks and delete a task with the task index number from the listed tasks.</p> <p>Allows users to view a calendar with the tasks for any month and year.</p>	<p>Have to allow for the adding of time-based tasks that will show based on priority.</p> <p>Have to allow for the user to mark tasks as done to show as '[Y]' or '[N]' for completed and incomplete tasks respectively.</p> <p>Have to allow for display of module details in the calendar.</p>	<p>Currently, the display for the calendar supports a maximum of 3 tasks per day and only shows tasks that have been added after deletion of the one before. Need to be able to display more tasks without expanding the calendar too much.</p>

Module Manager	Allows users to add, edit, and delete the modules they are taking or going to take with the module code, module name, and the expected grades (optional).	CLICK will then calculate the expected CAP so that the users can modify their plan. Users can also see the list of modules they have added and search for specific modules by keyword.	Currently, expected grades are of type String, which is not recommended for this kind of attribute since it is a fixed set of values (possible grades). We will change to enumeration.
Calorie Counter	Allows users to add custom food entries, namely with the name of the food and the calorie count to a "list". Allows users to clear the "list" and wipe out current entries. Allows users to display the current "list", which would inform them of how many calories they consumed thus far.	Searching of food items by keyword Deleting specific index of food item for accidental/ wrong entries Ability to peruse a given text file (e.g., food items and calorie count of items sold in Techno Edge) to add food items consumed just by an index	Currently, the functionality of adding food only works for an item at a time and does not support additional entries in one command. The ability to read data from a given list of food items and calorie count sold in current food courts in NUS is still being decided on and to be implemented in phase 2 (V2) onwards
Zoom Buddy	Currently, the zoom links are stored in a text file. The contents of the text file could be accessed by the user using the zoom feature.	Moving forward, we intend to integrate this feature with the module function. Also, we are looking into ways to convert the current format of links (text) into hyper-links (clickable)	A possible challenge could be smooth integration of the module and zoom features. This might require some time to satisfy the deliverables on both ends while keeping intact the original motive of both features.
System integration	Storage file in the hard disk would include text files representing the tasks in the calendar, notes in the journal and food consumed in the calorie counter. This means that the data would be saved even when the user is not using the app.	Integrating the functionalities between the systems (e.g., food consumed in calendar for a specific day)	The syntax of the storage list has to be standardized to read from any 2 lists
User Experience	Prints out an error message when the user types out a wrong command Help feature to list correct syntax of the commands to aid the user	Make use of external storage to store help messages. Help messages could then be edited into a text file by developers. The software could then access these text files to display the stored data	

SCHEDULING CONSIDERATIONS

The current working schedule seems to be a good fit where meetings are organized on a weekly basis on Mondays. Following are the upcoming milestones:

1. Version 1 submission by 14th October
2. OP2 consultation on 19th October
3. UG Consultation on 26th October
4. OP2 Demo on 30th October
5. OP2 Pitch on 2nd November
6. Final version submission by 10th November

Moving forward, additional ad-hoc meetings could be organized if the need arises.

OVERALL CONCLUSION

The project is coming along well. As we are nearing the first milestone, the MVP (minimum viable product) version of CLICK will be delivered on time. We will however have to start work on version v2.0 to complete the features to the proposed depth.