

Chan Jun Ren - Project Portfolio for StudyBuddyPro

About The Project

My team of 4 Computer Science students and I were tasked with enhancing a basic command line interface desktop address book application for our CS2103T module, and we chose to modify it into a 3-in-1 application that serves as a tool to aid revision called StudyBuddy. This application allows students to store and utilize flashcards, create notes that can be later used to generate a reference to create a cheat sheet.

This is what our project looks like:

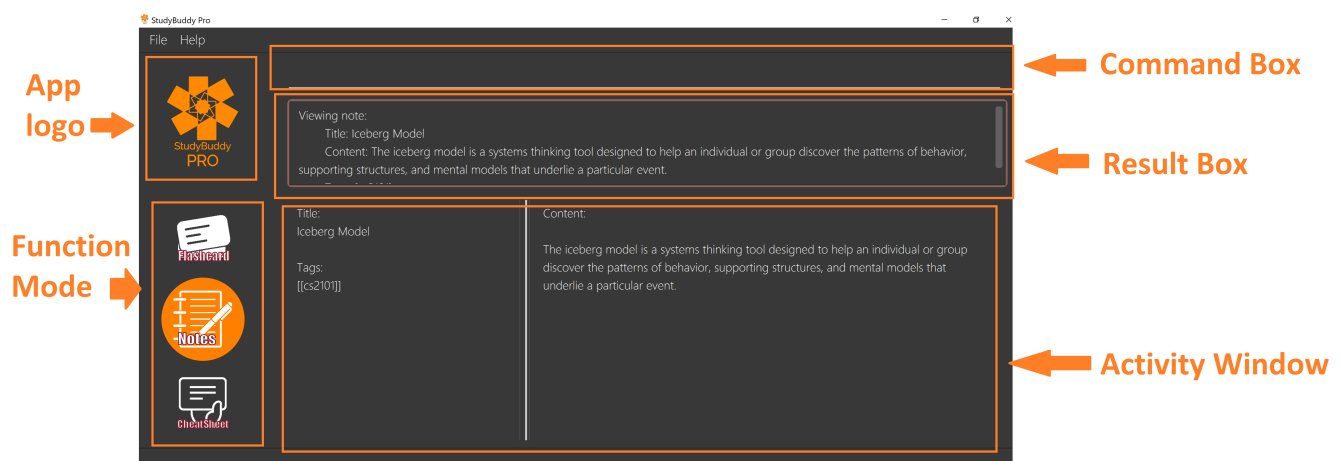


Figure 1. The graphical user interface for *StudyBuddyPro*.

Summary of contributions

- **Major enhancement:** added **ability to start a time trial of flashcards**.
 - What it does: The `timetrial` command initializes a test whereby the user will be tested a sequence of flashcards.
 - Justification: Pushes the user to test his understanding / familiarity of a certain topic.
 - Highlights: This enhancement works with existing as well as future commands. An in-depth analysis of design alternatives was necessary to implement the feature in a way that doesn't disrupt other features. The implementation was also challenging because there was a need to read up on an existing API that I did not have prior experience in.
 - Credits: {mention here if you reused any code/ideas from elsewhere or if a third-party library is heavily used in the feature so that a reader can make a more accurate judgement of how much effort went into the feature}
- **Minor enhancement:** Designed the overall GUI of the StudyBuddyPro application.

- **Code contributed:** [\[Functional code\]](#) [\[Test code\]](#) {give links to collated code files}
- **Other contributions:**
 - Project management:
 - Managed releases **v1.3** - **v1.5rc** (3 releases) on GitHub
 - Enhancements to existing features:
 - Updated the GUI color scheme (Pull requests [#33](#), [#34](#))
 - Wrote additional tests for existing features to increase coverage from 88% to 92% (Pull requests [#36](#), [#38](#))
 - Documentation:
 - Did cosmetic tweaks to existing contents of the User Guide: [#14](#)
 - Community:
 - PRs reviewed (with non-trivial review comments): [#12](#), [#32](#), [#19](#), [#42](#)
 - Contributed to forum discussions (examples: [1](#), [2](#), [3](#), [4](#))
 - Reported bugs and suggestions for other teams in the class (examples: [1](#), [2](#), [3](#))
 - Some parts of the history feature I added was adopted by several other class mates ([1](#), [2](#))
 - Tools:
 - Integrated a third party library (Natty) to the project ([#42](#))
 - Integrated a new Github plugin (CircleCI) to the team repo

{you can add/remove categories in the list above}

Contributions to the User Guide

Given below are sections I contributed to the User Guide. They showcase my ability to write documentation targeting end-users.

Contributions to the Developer Guide

Given below are sections I contributed to the Developer Guide. They showcase my ability to write technical documentation and the technical depth of my contributions to the project.

PROJECT: PowerPointLabs

{Optionally, you may include other projects in your portfolio.}