

# Phaedra - Project Portfolio

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## PROJECT: Cardi Buddy

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### Overview

AddressBook - Level 3 is a desktop address book application used for teaching Software Engineering principles. The user interacts with it using a CLI, and it has a GUI created with JavaFX. It is written in Java, and has about 10 kLoC.

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### Summary of contributions

- **Major enhancement:** added the **ability to undo/redo previous commands**
  - What it does: allows the user to undo all previous deck-level commands one at a time. Preceding undo commands can be reversed by using the redo command.
  - Justification: This feature improves the product significantly because a user can make mistakes in commands and the app should provide a convenient way to rectify them.
  - Highlights: This enhancement affects existing commands and commands to be added in future. It required an in-depth analysis of design alternatives. The implementation too was challenging as it required changes to existing commands.
  - Credits: **AddressBook Level 4**
- **Minor enhancement:** added a history command that allows the user to navigate to previous commands using up/down keys.
- **Code contributed:** [[Functional code](#)] [[Test code](#)] {give links to collated code files}
- **Other contributions:**
  - added an **open command** that allows the user to open decks to access card.
  - modified the **add command** and relevant classes (example **add command parser**) to ensure basic functionality of the application.
  - modified the **delete command** and relevant classes (example **delete command parser**) to ensure basic functionality of the application.
  - modified the **edit command** and relevant classes (example **edit command parser**) to ensure basic functionality of the application.
  - added deck and flashcard exceptions to ensure that the application is less buggy for the user. Examples of exceptions added are "Deck not found exception" and "Wrong Deck Exception".
  - 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}*

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## 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.*

[../UserGuide.adoc](#)

[../UserGuide.adoc](#)

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## 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.*

[../DeveloperGuide.adoc](#)

[../DeveloperGuide.adoc](#)

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## PROJECT: PowerPointLabs

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