

Shaun Teo - Project Portfolio

PROJECT: El Duque

Overview

El Duque is a desktop task manager application for computer science student. The user interacts with it through a CLI and is written in java with over >10 kLOC. It is enhanced from the original Duke application.

Summary of contributions

- **Enhancement:** added **ability to edit tasks**
 - What it does: allows the user to edit every parameter of the task. It has support for filtered indexing as well.
 - Justification: This feature improves the product significantly because a user can make mistakes in creating a task and now they can rectify those mistakes.
 - Highlights: This feature cuts across several layers of the project, hence designing it in such a way to work with existing classes was a very important step.
- **Enhancement:** added **pomodoro timer**
 - What it does: The Pomodoro feature is an inbuilt timer based on the pomodoro workflow. It allows the user to run a timer based on the 25-5 work-rest work ratio and reminds users to manage their work-rest ratio properly.
 - Justification: During work sessions, this provides the users the ability to only rely on one app to manage their work session.
 - Highlights: This feature is implemented as a Singleton as there is only one instance of this object. Supports adding and completing of tasks from the task list which required a dependency with the task list class.
- **Code contributed:** [[Code](#)]
- **Other contributions:**
 - Project management:
 - Managed issues and milestones for v1.1 and issues for v1.4.
 - Lead the team to ensure tasks are assigned properly and project requirements met.
 - Enhancements to existing features:
 - Wrote test code for existing commands.
 - Enforced code quality.
 - Documentation:
 - Converted UserGuide from a Google Doc to an AsciiDoc to improve the formatting.

- Tools:
 - Implemented and managed checkstyle plugin.

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.

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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.

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