



Zackermx See - Project Portfolio Page

Overview

FitTrackCLI is command-line-based chatbot to help users manage their NAPFA related exercises and goals. It lets users record and track training sessions, calculate their NAPFA scores and awards and set fitness goals.

Summary of Contributions

Code contributed: [\(link\)](#)

Enhancements implemented:

I implemented the following classes, exceptions and functions which handle data logging and storage, user interfacing and execution of commands. This code forms the core of the program and allowed my team to build upon it to implement their features. I also wrote the JUnit tests for the code I wrote within these classes.

Class	Functionality
FitTrack	Entry point of the application, manages application initialization by coordinating other classes
FitTrackLogger	Manages logging for the application, ensuring errors and important events are properly recorded
User	Records the user's information, such as age and gender, and provides methods to modify or retrieve this data
Parser	Handles parsing of user input, converting it into commands and actions
Ui	Handles user interaction and CLI output, printing messages and data to the console
ParserExceptions	Handles all exception handling for the Parser class. Effectively all I/O error handling.

Function	Purpose
User Configuration	Set the age and gender of the user for use in NAPFA points calculation.
Help Function	Prints a complete list of valid commands to aid the user in use of the application.
Add a Training Session	Adds a Training Session with the specified name to allow the user to track their training progress.
Modify Training Session DateTime	Modifies the DateTime of an existing Training Session.

Function	Purpose
List all Training Sessions	Displays all Training Sessions the user has added.
View a Training Session	View the details of a Training Session, including session name, datetime, exercise data, points and awards.
Edit a Training Session	Edit the details of a training session, namely exercise and reps/time.
Delete a Training Session	Removes a Training Session from the list.
Exit the program	Ends FitTrack CLI task and exits.

Documentation:

User Guide:

Documented the following features: User initialisation, Help function, Add Training Session, Modify Training Session, List all Training Sessions, View a Training Session, Edit a Training Session, Delete a Training Session and Exiting the program.

For each feature, I detailed its Purpose, Format, an Example and its Expected Output.

Developer Guide:

Documented the Project Architecture with an Architecture Diagram and Overall Class Diagram.

Documented Set User, Add Training Session, Modify Training Session, Delete Training Session, List Training Session and View Training Session, with a sequence diagram for each.

Wrote the User Stories to give better perspective on project requirements and direction

Project Management:

Contributions to team-based tasks

Set up Gradle and Logger for team use. Coordinated work between team members, kept track of tasks and deadlines and informed them when their work was not done. Administered the issue tracker (creating issues, assigning contributors, issue tags, etc.). Maintained user/developer docs that are not specific to a feature (Architecture, User Stories, etc.).

Review/mentoring contributions:

Responsible for reviewing and providing feedback on many issues and PRs.