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Marcus Wong - 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

View code contributed here.

Enhancements implemented

Class	Functionality
TrainingSession	Manages a user's fitness session, tracking performance and points across various exercises
WalkAndRunCalculator	Calculates the number of points for the 2.4km run given the gender, age and timing of the user.
ShuttleRunCalculator	Calculates the number of points for the shuttle run given the gender, age and timing of the user.
WalkAndRunStation	Tracks and formats a user's 2.4km timing and calculates their points based on performance.
ShuttleRunStation	Tracks and formats a user's shuttle run timing and calculates their points based on performance.
GraphBase	Provides helper functions to both GraphPerformance and GraphPoints classes.
GraphPerformance	Generates visual representations of exercise performance across multiple training sessions.

Class	Functionality
GraphPoints	Visualizes the total points or points for a specific exercise across multiple training sessions.
GraphPerformanceRepsDistance	Visualize reps or distance over time for rep/distance-based exercises.

Function	Purpose
Edit Exercise performance	Updates the performance of a specified exercise in the training session based.
View training session	Displays all exercise data for session, including total points and award achieved.
Get Points for time-based exercise	Calculates and returns the points based on the user's time.
Graph total/exercise points across training sessions	Allows users to visualise overall progress in points across training sessions.
Graph exercise performance across training sessions	Allows users to visualise exercise performance across training sessions.

Contributions to the UG

Documented and contributed to the following portions: Introduction, User configuration, Table for valid exercise inputs, Edit Exercise, Graph Points.

Contributions to the DG

Documented Edit Exercise section and its sequence diagram. Documented Visualisation section and its sequence diagram. (Up till GraphPerformanceTime) Created UML Diagrams for TrainingSession instantiation and add command.

Contributions to Team-based tasks

Set up the Github team organisation and repository, updated timeline for v2.0, released the jar file for v1.0, maintaining issue tracker.

Review/mentoring contributions

Gave comments on PR of teammates, reviewed, approved and merged PRs.