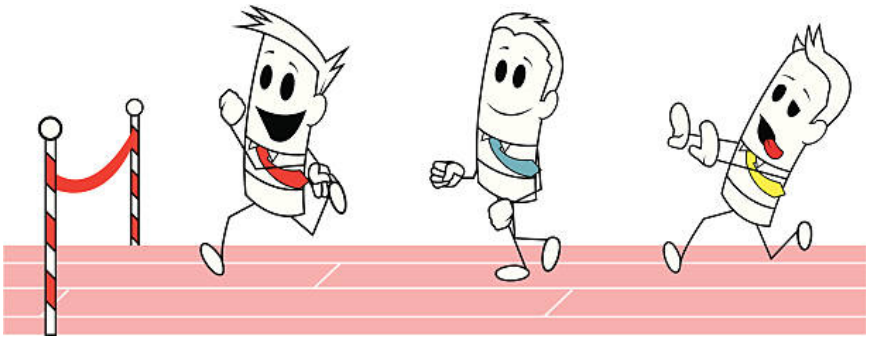
Midterm: Class Diagrams Part #2

Re-submit Assignment

Due Feb 16 by 11:59pm **Points** 100 **Submitting** a website url

Class Diagrams Part #2



This is a continuation of part #1 of this assignment, which can be found here: Class Diagrams Part #1. In this part you and your group will implement your UML design for Jose's Hiking Log as a Java FX application. This will comprise your midterm grade for the quarter.

UML as a Blueprint

The goal of your team is to implement the application described in your class diagrams as closely as possible. Meaning, if you have a class defined in your class diagrams, then the same class should exist in your project. The same holds true for fields and methods. This can be a hard rule to adhere to so treat this as a principle rather than an immutable rule. The goal is to follow your diagrams as closely as possible. When you have finished implementing the Hiking Log you will submit, as a group, an updated set of class diagrams that accurately represent your final design.

GUI Application

- I am leaving the design of your user interface to your group.
- A user must be able to interact with the Hiking Log application as described by Jose.
  - For example, points would be lost if there was no way to mark off tasks before a hike. Similarly, points would be lost if the tasks Jose mentioned were not present as a task.
- All data entered into the log must be saved to a file or some other data store. Data entered during a previous interaction with the application should still be present when you relaunch the application

Note: I'm trying to avoid giving too much advice here. I want to see how well you can sift through Jose's words and implement his idea. Feel free to ask me for clarification of the problem statement if needed.

Sharing Your Work

Once completed, be prepared to share your work with the rest of the class.

Submission

- All projects must be completed through the IntelliJ IDE
- Your project should be a Maven project with appropriate settings
- Your project files should be saved to a private GIT repository which is shared with myself and all team members
- An updated set of class diagrams that reflects your final design
  - Complete your class diagrams using the UML tool we discussed in class
- All files must have proper documentation (comments and full Javadocs)
- All files must follow our style guidelines

Extra Credit (5 points)

I'm reserving up to five extra credit points for outstanding submissions. This is based on my judgement and your effort, so work hard!

Class Diagrams Part #2 Rubric

Criteria	Ratings		Pts
A user can interact with the Hiking Log application as described by Jose.	40.0 pts Full Marks	0.0 pts No Marks	40.0 pts
All data entered into the application is saved to a file or some other data store.	15.0 pts Full Marks	0.0 pts No Marks	15.0 pts
Your user interface has expected quality of life features, such as: background/foreground coloring, proper spacing, fonts and borders.	10.0 pts Full Marks	0.0 pts No Marks	10.0 pts
An updated set of class diagrams is provided that shows your final design for the application.	20.0 pts Full Marks	0.0 pts No Marks	20.0 pts
IntelliJ project is set up correctly as a Maven project. All project files are saved to GIT in a private repository.	5.0 pts Full Marks	0.0 pts No Marks	5.0 pts
Full Javadocs are provided for all classes and public methods.	5.0 pts Full Marks	0.0 pts No Marks	5.0 pts
All code follows the style guide provided.	5.0 pts Full Marks	0.0 pts No Marks	5.0 pts
			Total Points: 100.0