

CSc 335 Analysis and Design Artifacts for Final Project

This must be added to your private Github repo in a directory named documents

1. **Team Name:** B

2. **Team Members:** Alex Katzfey Peter Chipman Joshua Raphael Jake Deichmann

3. **Candidate Objects or Class Hierarchies**

List the most important objects, or the name of an inheritance hierarchy, and the main responsibility.

Candidate Object	Single Responsibility in 1 or 2 sentences
Trainer	Store data and provide behaviors associated with a Trainer
Pokemon	Framework for the functions and data needed for each individual Pokemon
Item	Framework for the functions and data needed for each individual Item
Map	Holds info on what each tile of the map will be.
MapTile	Enum with all map tile types.
CommonPokemon	Sets a pokemon's encounter rate to a high percentage.
UncommonPokemon	Sets a pokemon's encounter rate to a medium percentage.
RarePokemon	Sets a pokemon's encounter rate to a low percentage.

4. Class Diagram: Your team UML Class Diagram must show at least all of your candidate objects from above. Show any relationships between them the classes such as inheritance or interface implementation. Draw general associations such as dependency or aggregation. Label some to help explain things. Add any multiplicity adornments that seem appropriate. Use notes to explain things if you feel it will help. Each UML class must show the class name. For full credit, each class must have an average of at least one attribute per class. There must be an average of at least 2.0 methods per class, which may be implicit (no need to repeat methods) if the class implements a Java interface with methods shown there.

*This class diagram may be written by hand and scanned or drawn with any
UML editor or drawing program*

5. Sequence Diagram: Your team UML Sequence Diagram should show the most important scenario you can think of. Your sequence diagram should show most of your objects from above and how they communicate with each other.

*This Sequence Diagram may be written by hand and scanned or drawn with any program or
sequence diagram editor such as <https://www.websequencediagrams.com/#>*