CS 414 Object Oriented Design
Fall 2017
Project 2.0: The second round!

Due date: 10/02/2017

1 Introduction

Now that you have analyzed the requirements of the *X game* and you have a more formal specification of them, you are ready to model the system domain.

Read carefully this document before proceeding!

2 Domain modeling

As a development team and based on the use cases identified in the previous iteration of the project, you are to model the domain concepts of the *X game* and their relationships.

With this purpose, express the domain concepts as a UML class diagram. Follow the format used in Larman's text. The domain model should:

- Be expressed at the problem domain level of abstraction. It should focus on the abstract concepts and not include design or implementation classes.
- Include relevant and necessary associations and other links.
- Include simple attributes or "pure data elements" such as scalars. More complex entities should be represented as conceptual classes with their respective associations.
- Not include the direction (arrows) of the associations.
- Include multiplicity.
- Sparingly use Generalization/Specialization (inheritance), and only for true "is-a" relationships.
- Not include operations or methods in your conceptual model.

In addition to the domain model diagram, you are to compose a glossary that defines each concept.

Mind that your use cases might need to be refined/updated after modeling the domain of the system. When updating your use cases, highlight the performed changes. You should strive for consistency among all the development artifacts. Although previous documents will not be re-graded, consistency among the latest ones will.

The domain modeling will be done **only for the set of core features**.

3 Deliverables

There are two deliverables for this assignment:

1. **Domain model document**. The document should be uploaded to the respective GitHub repository. The document should contain the domain model diagram and the glossary.
2. **Presentation**. The progress on the project is to be presented during class. Besides presenting the domain modeling outcomes, you are to present any update to the use cases.

The grades for this assignment will apply to the deliverables uploaded to the GitHub repository before class (i.e., 3:00pm).

4 Notes

- Deadlines associated with deliverables will be verified in the repository. Late work policies apply.
- Grading criteria:
  - Document: 50%
  - Presentation: 50%
- Points will be deducted if:
  - The submission requirements are not met.
  - You are late with the submission.
- You will not receive credit for this assignment if:
  - You do not submit the deliverables.
  - You do not present during class.