# **Team Project TP-2:**

# ***Overview***

**Software Analysis and Design**

**Fall Semester 2019**

**SEIS 635 (3 semester credits)**

**Section 01**

**out October 25, 2019**

**due December 13, 2019**

**100 points**

***Overview***

For your ***second*** Team Project (TP-2), you will form teams of two to four students, pick from a provided list of possible projects, then specify, analyze, design, and code a working Java application that satisfies the basic requirements for your chosen project.

All teams will submit some basic deliverables, together worth 75 points. Details will be provided in a separate document, but will include:

* Forming teams and selecting a project: 5 points
* An application with working Java code: 20 points
* Code management using Git and GitHub: 10 points
* Comprehensive JUnit tests for all the non-UI code in your application: 10 points
* A use case that describes some fundamental interaction between a user and your SuD: 10 points
* A domain class diagram (DoCD) that captures the key concepts and their associations: 10 points
* A final team presentation of your project to the class on the final day of the course, Dec. 13: 10 points

Beyond the above, teams may choose from a variety of options, which will reward the use of agile processes and deliverables such as TDD, superior separation of UI and domain logics, and refactoring in order to earn the remaining 5 points for your project. Requirements for each of these additional possible project options will be out in coming weeks and will be discussed in class.

Details about forming a team, picking a project, and beginning your TP-2 work will be provided in another document (TP-2.1).