

## CSC 4350/6350 SOFTWARE ENGINEERING

### Assignment #1

Summer 2018

due Friday, Jun 8<sup>th</sup>, 11:59 pm

**(No 24 hours' late submission for this assignment)**

**Objective:** Learn how to work in group, improve your-- decisions making and planning, critical reading and writing, scheduling and task identifications.

### TASKS:

#### 1. Form a Team:

- You are organizing into groups for the purpose of developing a software product.
- All students are charged with coordinating to form a team.
- You have the freedom to choose your group members
- Form teams of either 4 or 5 people - no team can be larger than five members or less than four.
  - If I find teams not meeting the size requirements, I will assign 0 grade for A1 for the whole group.
  - You are all expected to cooperate and form teams as requested.
  - Determine a team coordinator who interfaces between the Instructor and the team for administration tasks such as
    - turning in the documents
    - bringing team questions to the instructor
  - The coordinator is not automatically the “boss” or team leader.
    - For example, the first task of the coordinator will be to turn in the names of the team members, the name of the team, and copies of the individual team resumes to the instructor.
  - Write down what you think is a good way to organize a team (a democracy, one leader, rotating leaders, by roles each person has, etc.)

#### 2. Choose a Project: **All Projects must use a database**

- You have freedom to choose your project idea **which must be approved by the instructor** or choose from the suggested topics.
- However, each project must adhere to the following constraints:
  - Project must be substantial enough to justify a group of seniors working for an entire semester:
    - The project must not be trivial,
    - But not so large as to not be completed on time.
    - 7K-8K is expected.
  - The project must be able to be installed, run, and tested by the instructor
  - No special hardware or exotic software support should be required;
    - i.e., the finished system should run on a stand-alone IBM compatible computers.
    - If you choose to use development tools other than java/eclipse or mysql, you must then inform the instructor.
    - Failing to do so will result in 0 grade for the whole project
  - The system must be easy to test; thus, interactive systems are required.

### 3. Report:

- A title page consisting of project name, semester, group name, group members, date
- All pages must be numbered (except for the title page).
- All text must be produced on a word processor.
- Team Description: a table showing the group name, members and their assigned roll and the group coordinator.
  - To develop your team capabilities & assignment:
    - each team member will write a brief resume emphasizing
      - computer science education,
      - a computing skills inventory (languages, hardware, packages),
    - experience in any kind of work,
    - distribute it among the team members.
  - Note: This resume will also be an important input to estimating the project and will be included in the project documentation.
- Resumes of each group members must be included with the report
- While preparing the report, pay more attention to the following criteria:
  - Analysis.
  - Description.
  - Understanding.
  - Preparation.
  - Completeness.
  - Correctness.
  - English Grammar.
- You will submit the report electronically as a PDF file:
  - The file you submit should be named coordinatorName\_Groupname.pdf
  - **Only the team coordinator should submit the report**
    - Individuals will only get points if they are in a group that has been submitted.
- You will also print out a copy of the report and submit it in person to the instructor during the office hours: (on Tuesday 12<sup>th</sup> office hours 2 to 3:30)

**Note:** Projects topics can be found at iCollege, Assessments menu, Discussions, Project, Project Topics.