CSC 4350/6350 SOFTWARE ENGINEERING

Assignment #1

due Feb 5th, 11:59pm

(No 24 hours' late submission for this assignment)

TASKS:

1. **Teamwork Basics:**
   - Summarize the following sections in the Teamwork Basics documents using your own words and must provide examples using personal experience in this class or other classes or internships:
     - Ground Rules: Norms 1 to norms 5
     - Hints for Handling Difficult Behavior
     - Hints for Handling Group Problems

   Note: TEAMWORK BASICS document can be found in icollege.

2. **Project Topic:**
   - Choose a project from the suggested topics or can come up with a new idea which should be approved by the instructor.
   - Each project must adhere to the following constraints:
     - Project must be substantial enough to justify a group of seniors working for an entire semester: 3K-5K is expected.
     - The project must be able to be installed, run, and tested by the instructor
     - The system must be easy to test; thus, interactive systems are required.

3. **Problem Statement:** (Overall Project Description, ***user requirements***)
   - First, read Ch4
   - What is your product, on a high level?
   - Whom is it for?
   - What problem does it solve?
   - What alternatives are available?
   - Why is this project compelling and worth developing?
   - Describe the top-level objectives, differentiators, target customers, and scope
   - of your product.
   - What are the competitors and what is novel in your approach?
   - Make it clear that the system can be built, making good use of the available resources and technology.
   - What is interesting about this project from a technical point of view?
   - Do you have a client login and a admin login?

4. **System Requirements (Context Diagram)**
   - Describe at a very **high level the system's architecture**, identifying the components/modules that will interact.
     - Use context model
     - See Ch5: Section 5.1 and Figures 5.1

The report should be in the following order

- Section 1
  a. Name of the project
  b. Semester
  c. Group Number
  d. Team members
  e. Date of Submission
- Section 2: Brief resumes
- Section 3: Scheduling and planning table for A1
- Section 4: Problem Statement --- Answer all or most questions in section 5 of this document
- Section 5: System Requirements --- Follow the context Diagram