CS 320 - Assignment 2

Term Project (Milestone 1) – 20 pts
Due: October 2, 2015

I. Term Project Overview

1. The objective of the term project is to learn and experience processes and methods of software engineering.

2. The initial description of the projects has been presented in the class. During the semester, your job is to further explore the topic, define a software requirement specification (SRS), design a software system, implement the software system, test it and provide complete documentation.

3. The specification should use the SRS template provided on the course website.

4. The documentation for the deliverables should be precise and concise.

5. Particular milestones of the project will be dispersed as individual assignments (e.g. this assignment is milestone 1).

6. The specification and design of your software should be developed using an object-oriented approach. The specification and design language is UML (Unified Modeling Language) - a standard for object-oriented representations.

7. You may choose any **object-oriented** programming language.

8. Your software must compile and run to receive a final grade on the project.

9. Your software should be shrink-wrap quality. It implies that only a minimum user manual (help menu) is required.

II. Software Requirement Specification (SRS) Document

Download the SRS template, and complete the sections for your project. This includes the following:

a. Fill out each section of the document. If a section of the SRS is not applicable to your project, state this in the document and explain why.

b. Construct detailed Use-Cases (Section 3.3 of the SRS) describing scenarios of using the system.

c. Functional requirements may be stated directly using section 3.2 or they may be specified using Use-Cases in section 3.3.

d. State non-functional requirements in section 4.

e. Keep track of group meetings in Appendix B.

f. Use complete and precise sentences in your SRS document.

III. Submission:

One representative in each group should submit the SRS. Please make sure that all team members' names appear on the first page of the document.