**ISC 560**

**Spring 2013 - Feinstein**

**Project Part 1 – Final Due Date is Tuesday Feb 5, 2012 – Worth 6% of class grade**

Your assignment for Project Part 1, for the system described below, is to create a Project Proposal document, to complete a Use Case Table and a Data Dictionary for the use cases associated with that system, and to draw a Use Case Diagram. You are to use the <http://cis.usouthal.edu/faculty/sweeney/isc560/UseCaseTableandDataDictionary.doc> template file to create your Use Case Table and Data Dictionary.   Using Microsoft Visio, you will create one Use Case Diagram which will model ALL the Use Cases, Actors, and relationship found on your Use Case Table.  Be sure and follow the appropriate drawing, naming and syntax conventions we have discussed in class when creating your Use Case Names, Data Dictionary entries, and Use Case Diagram.  In addition to the above you need to include a one page Proposal Document for your application.  You should describe in this document the purpose and at least 3 functional requirements of the application which a user can achieve with it. You should also attempt to describe some of the non-functional requirements of the application that you envision.  Finally, the document should list the names and JAG IDs of the two person team or the single individual who will design the application.

Find a Project: Your first task is to find an idea for your project.  The project you envision must be a Smartphone-based application which utilizes a database for data persistence. Projects proposals must be approved prior to beginning work. Write a proposal document for the project, giving a good explanation of the work to be done.  This document, like all project artifacts and deliverables, is to be uploaded to the Sakai course Project Part 1dropbox. The scope document will be used as the basis for project approval.

Trivial projects and overly complex projects will not be approved. Generally speaking, "textbook projects" will not be approved. This means things like ATM machines, which appear often as examples in books. Try to come up with something more interesting.

You are to document at least 3 use cases available for the system you are developing and add them to your Use Case Table.  For each System Input and Output identified on your Use Case Table, add a corresponding entry on your Data Dictionary along with the data items (data fields) associated with that input or output.  Be sure and name your use cases appropriately using the guidelines in the lecture materials on use cases.  Each use case you identify should be important and non-trivial.  If your application requires a login, do not write a use case for it.

This project can be done as either an individual or a two-person team assignment. If you decide to do the project as a two-person team then each team member will receive the same grade.  This same two person team will be used for the first 3 project parts, which are a total of 18% of your course grade so consider carefully whether you want to work with a partner or not. The project must be done without assistance from or collaboration with any other person or student with the exception of the team mate if you have one. I will be examining all of your submissions VERY closely for evidence of collaboration between students including your selection and description of use cases and will not hesitate to charge ALL students involved with Academic Misconduct should I see evidence of student collaboration.

Part 1 is worth 6 of your 30 total project points Project parts turned in late will incur a 10% penalty for each day they are late.

Here is a checklist of the deliverables that are due to be uploaded to Sakai for Project Part 1 on or before the due dates. You don’t have to wait until the last second to upload your deliverables.

Due in Dropbox: by Tuesday January 29 at 6pm

Proposal Document (in a MS Word document following the course naming convention)

 The contents of this document are described above.  This document must be approved by the instructor prior to beginning the remaining parts therefore it is critical that it be placed in the dropbox on or before the above due date.

 Due in Dropbox: by Tuesday February 5 at 6 pm

 One Use Case Table (in a MS Word document)

 One Data Dictionary (in a MS Word document)

 One Use Case Diagram (in a MS Visio document)