Requirements Engineering Project Guidelines

http://www.personal.kent.edu/~asamba/tech61095/project.html

Project options include:

1. **Your project from work**
   You may select a project that you participate in at work. Note, do not disclose any proprietary information about the company or product.

2. **Your friend's business project**
   Note, do not disclose proprietary information about your friend's business project

3. **Your imaginary software product**
   You can create an imaginary software product that you would like to develop and then market.

4. **Select one of the following projects:**
   - Develop an enterprise service used by multiple applications which is designed to validate addresses with the United States Postal Service.
   - Develop a method for providing electronic forms and documents to customers.
   - Develop an application for customers to submit bill payments on-line.
   - Develop a Translator system that serves as a liaison between non-bilingual Immigration and Naturalization Service (INS) employees and prospective U.S. citizens attending interviews at the INS.
   - Develop a home automation system which allows home owners to control their home appliances from remote locations.
Project Assignments

There are four deliverables plus a formal review and a formal presentation. Each project deliverable should have a cover page. The cover page should specify the following information:

- The Project Title
- Assignment Number and subtitle
- The names of project team members
- Date of submission – Please plan to submit each project during class period

All project assignments must be submitted by the due date. Note, penalty for late project will be 5% per day of project points

Case studies of each deliverable will be discussed in class prior to the start of each project

Project Assignment # 1: Project description 20 points.

- Submit a one paragraph description of the group’s project.
- Due: Tuesday, February 9, 2010

Project Assignment # 2: Elicitation plan & results 20 points

- A short description of your elicitation plan. This should describe which techniques you used and why. Minimally your plan should include interview questions, survey, and prototype.
  - Submit your survey and interview questions and results
  - Due Tuesday, February 16, 2010

Project Assignment # 3: Blastoff documents 20 points.

- A short statement of the project objective. (May be similar to assignment 1)
- Functional Requirements
- Include a Context diagram showing all adjacent systems and accompanying data flow diagrams
- Initial project glossary with all terms identified in the context diagram. Include definitions of each data item.
  - Due: Thursday, February 25, 2010
Project Assignment # 4: **Software Requirements Specification** 100 points.

- The format of the Software Requirements will be provided in the lectures. It will be a set of textual requirements in “radix” format with supporting information
  - **Due: Thursday, March 19, 2010**

Project Assignment #5: **Formal Technical Review** 20 points.

- Each group will need to participate in a formal technical review. Review procedures will be covered in class

Project Assignment #6: **Formal Presentation** 20 points

- Each group will make a formal presentation of their requirements documents. You may use Powerpoint for your presentation. We may invite faculty and other SME to the presentations.