

Guidelines for Undertaking the Project and Preparing Project Report

Section 1: Project Proposal

Write a 1-2 page proposal. What software system would you like to build under this course, and why? You can assume a dummy customer who would be interested in using this software system. The customer will help refine the specifications, provide feedback (to you) over the course of the project, and do acceptance testing at the end. They may also reject compromises that might seem reasonable to you and will help you prioritize the features.

Your proposal should include:

- A dummy customer C;
- A description of what problem the system would solve and why this is important;
- A description of what the system will do;
- A brief (one paragraph) justification that the proposal is neither too easy nor too ambitious for a group of approximately 3-5 programmers to undertake in one semester.

Your proposal should not include a discussion of how the system will accomplish its task. The focus should be on the “what” and “why”, not on the “how”. You can implement project in any of the language of your choice.

The report must have the following elements:

Subject: Project Proposal

Project Title:

Group member's Name and Enrollment Number:

Your Proposal

Section 2: Feasibility Report

Write a short feasibility report that describes the project that you have selected. The exact form of the report is up to you, but it should be well written and suitable to present to the customer. The length is likely to be between two and five pages (more pages can be added according to the requirements).

The report should include the following:

- The customer for whom the work will be done;
- The Visibility plan. How will you keep in contact with the customer and report progress?
How will you communicate among your team?
- A statement of the task to be undertaken;
- A preliminary requirements analysis;
- Suggested deliverables;
- Process to be followed, e.g., modified waterfall model, iterative refinement, prototype, phased development, etc.;
- Outline plan, showing principal activities and milestones;
- Risk analysis. What can go wrong? What is your fallback plan;
- Probable technical requirements.