

Schedule after Spring Break

- 3/14 – Intellectual Property discussion
- 3/16 – Design of Implementation; Intellectual Property Essay and next proposal draft due
- 3/21 – Individual conferences
- 3/23 – No class
- 3/28 – Practice presentations
- 3/30 – Posters
- 4/4 – Poster critiques

Project Proposal: Requirements and Specifications

- Requirements and specifications define what the project will accomplish.
- Once a proposal is accepted, they constitute a “contract” between you, your project sponsor, and your project advisor. Changes must be negotiated and approved.

Requirements

- The difference between a requirement and a specification is somewhat arbitrary.
- Generally, a requirement is something that is the project sponsor has determined is an integral part of the project and must be included in any design.

Requirements

- Requirements may include:
 - Specific implementation language; e.g., must be written in Java.
 - Specific implementation technologies; e.g., must use a MySQL database
 - Specific functionalities; e.g., must support separation of administrator and user information

Specifications

- Specifications usually describe the functional behavior of the project.
- Often they are presented as a list of tasks that must be accomplished by each stakeholder.
- They may also include UX (user experience) functionality.

Specifications

- Each specification should follow from one or more issues identified in the problem statement.
- The goal is to be able to show that a project that meets the proposed requirements and specifications will solve the problem given in the problem statement.

Specifications

- Note: specifications **do not** describe how these tasks will be accomplished or implemented, just what they are and how they relate to the problem.

Specifications

- Specifications for features that are not directly related to the problem statement should be listed as secondary or optional. That is, ones that will be completed as time permits.

Specifications

- After the proposal is accepted, the requirements and specifications becomes a checklist.
- It is used to determine the amount of progress accomplished.
- It is used to determine whether the project has been completed to the sponsor's satisfaction.

Assignment 7

- Develop the requirements and specifications for your project and write this section of your proposal.
- You are required to meet with your project advisor and/or project sponsor at least once before you submit your document.

Assignment 7

- Also, revise the Problem Statement and Background section incorporating any comments.
- Put both sections into one document and format according to the guidelines posted on the course webpage.
- Email a **PDF copy** of the document to the instructor by **Thursday, March 16.**