

INF 43: Intro to Software Engineering

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Announcement

- TA: Hye Jung Choi
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 - Include “INF 43” in your subject
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- Assignment1
 - Requirement Engineering
 - Due: **Monday, April 20, 9:00pm**
 - Submission via Checkmate

Requirements

- Functional Requirements
 - What a system is supposed to do
- Non-Functional Requirements
 - How a system is supposed to be
 - Quality attributes
- Constraints
 - Global issues that shape the requirements
 - Constraints on the project itself or restrictions on the eventual design of the product

Requirement Analysis

- Define Problems
 - A difference between things as perceived and things as desired
- Gather information
 - Do we have all of the information we need to define what the system must do?
- Define requirements
 - What (in detail) do we need the system to do?
- Prioritize requirements
 - What are the most important things the system must do?

Background of our project

- ❑ Prior to the semester, counseling office staff deletes all of the courses in their current system and creates the next semester's courses.
- ❑ Based on the courses' capacities and the sizes of classrooms, the staff schedules the courses into classrooms.
- ❑ Students do not enroll in their own courses. Students visit the counseling office and express their course preferences during students' mandatory counseling visits each semester. Finally, the staff enrolls students into courses based on students' preferences.
- ❑ Sometimes when staffs discover that a course needs to have its capacity increased or decreased, the course will be moved. Staff discovers these kinds of things and handles them manually in the current system.

Main purpose of a new system

- ❑ Staff schedule students on the basis of their stated preferences.
- ❑ Staff schedule classrooms according to capacity needs in the current semester.
- ❑ Most functionality being supported is similar to the previous system. A user need more functions and GUI feature, especially.