

# SE4930 Lab Project Descriptions - Initial Project Requirements Analysis

Dr. Walter Schilling

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## 1 Formation Finalization

The first step of lab is to form teams. We will divide up and assign projects based on users desires and divide into teams. Each team is to select a team leader who will ultimately be responsible for team deliverables, etc.

## 2 High Level Conceptual Requirements Analysis

In this lab session, as a team, you are to perform a high-level requirements analysis for this software. While the activity will be similar to that which was done in the Requirements course, the depth and detail will be slightly less. In order to facilitate this, the recommended procedure is for teams to start with a brainstorming process using notecards / sticky notes. Each team member will draft 5-10 requirements statements and then these will be grouped together to define a draft set of requirements. This draft set can then be translated into a set of draft requirements for the project.

At this point, the main focus is to be on functional requirements. However, thinking about the security aspects of these project certainly would not hurt. We will be working on security related requirements and abuse cases next week.

In doing this step, you may want to sketch one or more use case diagrams to solidify your agreement on the actual software use cases as well as draft some use case scenarios for the necessary functionality of the system. We will not go through the entire use case scenario development in this course, but a general use case diagram showing the high level use cases may be desirable.

## 3 Time Analysis

Each team is to create a spreadsheet which will be used to track team members time and effort. Team members should be listed in a column, followed by a pair of columns for each week. One column of the week should show effort devoted to the project while the second column should list succinctly what part of the project was worked on. This spreadsheet will be submitted each and every week through the quarter.

## 4 Deliverables

Each team should submit through the course website the following

1. Draft SRS showing what the team believes are the project requirements.
2. Effort spreadsheet in Excel format.