

CIS3750 - Project Goal and Requirements Assignment

Due October 3rd, 5pm

The following assignment is due Friday, October 3rd at 5pm. The assignment is worth 15% of your final grade. The assignment must be submitted through the course website.

You must work in groups to complete this assignment. Your group submission should be of the highest quality. You should assume that I am a client you are trying to impress. That is, anything you submit should be professional, organized, and easy to follow. Furthermore, it should satisfy all of the submission requirements. Failure to satisfy the requirements will result in a deduction in your final grade. You will be deducted grades for spelling or grammatical errors. You will be deducted grades for consistency errors.

Learning outcomes:

- Identify project goals and users.
 - Collect & critically evaluate user needs to develop software requirements that are specific, measurable, and categorized.
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1. Assignment Details

Team Details [15 points]

Identify your group name and logo. Choose a group name that is professional and perhaps catchy. Consider your group name your *company name*. Your logo should be unique, professional, and represent your team. Identify the members of your group (first name first, last name last). Determine the general role of each member of the team (e.g., team leader, database designer, coder, presenter). Note that each member should have more than one *title*. Briefly describe what each member is expected to do. Include your signed group contract and collaboration rubric.

[1 page maximum, excluding the signed group contract and collaboration rubric]

Project Goals & Users [25 points]

Identify the goal of the project. That is, list the thing that your software product is going to do. Be clear and concise. You will want to look back at your goal throughout the semester to stay focused and on task.

Identify the domain and focus of your ITS system. Identify the machine learning component that you plan to incorporate in your system.

Identify the users of your project. Be specific.

Identify how you will organize and build your project (e.g., GitHub, Trello).

[1 page maximum]

Requirements [60 points]

Based on your project goal, the description of the course project, the available literature, and information obtained during class and lab, develop a set of requirements for your project. That is, what are the things that your system will do? Do you need to define anything for clarity? Classify your requirements based on the MuSCoW classification system. Your report does not need to contain a list of the requirements as these **MUST** be submitted via a .xlsx file (see below for details). It is expected that you will have at least 15 requirements per team member for your project. (e.g., if your team has 8 members, your requirements document will have at least 120 requirements). The requirements must be about our course project.

- You must include at least 6 must, 4 should, 3 could, and 2 won't requirements per team member. The category (Must, Should, Could, Won't) must be placed in the Category column.
- Each requirement should identify the user or actor to which it applies. This could be the system or any of the specific users that you've discussed with your team. This information must be listed in the User column.
- Your requirement must be a complete sentence. Even though you've already indicated in the Category and User columns whether or not it's a must, should, could, or won't, and the user or actor the requirement is referring to, the requirement should be written to include this. For example, write "The system must connect to the Canadian Database of Medications to allow extraction of medication details when there is an uninterrupted internet connection", and not "connect to the Canadian Database of Medications to allow extraction of medication details when there is an uninterrupted internet connection".

- The requirements should be ordered with musts listed first, followed by shoulds, coulds, and finally won'ts.
- The requirements should be numbered (this goes in the column labelled ReqID).
- Do not change or modify the Requirements Document Template in any way. If you change the template, the autograder will not be able to grade your assignment.
- You may wish to review User Stories & Requirements, What Makes Good Requirements, Specificity, and Importance to help you complete this assignment.
- If you have definitions that need to be part of your requirements document, add a new sheet called definitions. List each definition on a unique row.
- If you have users that you'd like to describe/define in your requirement document, add a new sheet called users. List each user and their description on a unique row.

2. Submission and file names

- Your files should be submitted on Courselink through the Assignment dropbox.
- The .xlsx file should have the following naming structure where GroupName is replaced by your group name: CIS3750_Requirements_GroupName.xlsx
- The .pdf file should have the following naming structure where GroupName is replaced by your group name: CIS3750_Assignment_GroupName.pdf