

# SENG 310 Assignment 1: Establishing Requirements

**Due Dates: May 25, June 7**

Do this assignment with your project group. Submit the final assignment in PDF format to [shsaad@ece.uvic.ca](mailto:shsaad@ece.uvic.ca) and hand me a copy in the class on **June 7**.

You will conduct a requirements analysis to identify potential users of your application and the tasks they need (or want) to perform. **You must talk to at least THREE potential users from each different group of users.**

## *Part I. Proposal* (**Due May 25**)

Before conducting the interviews, you must submit an interview proposal and it must be approved by a TA. This should include:

- A short, one-paragraph description of the users you plan to interview (no names).
- At least 10 sample questions you plan to ask.
- The consent form you plan to use. You should modify the sample consent form available on the course website.

Getting the proposal in as soon as possible will allow you to start the rest of the assignment sooner. After we approve your proposal, you may conduct the interviews and complete the rest of the assignment. The proposal will not be marked but is required for UVic ethics approval. Send your proposal by plain text email to the lab TAs ([xiaofeng@uvic.ca](mailto:xiaofeng@uvic.ca), [garima@ece.uvic.ca](mailto:garima@ece.uvic.ca)).

## *Part II. Assignment* (**due June 7**)

Based on your interviews, develop:

- 1) A list of tasks (i.e. functionality) the system should support.
- 2) A persona for each class of users, with name, to describe fictitious potential users of your system. Your personas should contain detailed, specific, and relevant information about the individuals and their goals with respect to your system. They should represent different types of users and be based on information gathered from your interviews.
- 3) At least 3 task scenarios that describe particular tasks within your system. Use your personas in these task scenarios. The task scenarios selected should provide reasonably complete functionality of the system, and there should also be a mixture of simple and more complex tasks. Each task should be a single, self-enclosed unit, not a complex series of tasks.

Write between **3-5 pages** report describing what you learned from the task and user analysis. The report should include the following:

- Interviews and typical users:
  - A description of the users you interviewed
  - A small sampling of the questions you asked during the interviews
  - A description of the general characteristics of the system's users, based on your interviews. If there are different categories of users, describe them.
  - A description of how the information obtained in the interviews differed from your expectations.
- Your list of tasks that the system should support
- Your personas
- The 3 scenarios (more scenarios are OK)
  - Include the scenarios themselves
  - Explain why you selected those scenarios to be representative of system use.
- You must also submit a signed consent form for each person you interviewed (not counted in the page limit). You may scan these and include them with your PDF or hand them in on paper in the lecture with an identifying cover page.

**General comments about the assignment:**

- A strong emphasis will be put on your ability to present your ideas clearly.
- Poorly written reports will be penalized.
- Be creative.
- Minimum 10 pt. font and reasonable margins.
- Strict 3-page limit.