Software Engineering I

Session 4

Portfolio Task

Topic: Requirements Engineering

Submission Format: Requirements Specification

1. Introduction
You are required to complete a detailed requirements specification document for the Patient Information System for Mental Health Care based on the case study information and the stakeholder interviews provided (1000 words +/- 10%).

2. Deliverables
The completed requirements specification document will include the following:

Introduction
This describes the need for the system. It should briefly describe the system's functions and explain how it will work with other systems. It will also describe how the system fits in with the overall business or strategic objectives of the organization commissioning the software.

Glossary
This section provides concise and succinct definitions of the technical terms used in the document.

User requirements definition
This section describes the functional requirements of the system. It also describes the non-functional requirements, including all product, organizational and external constraints. It should be written in a natural language format. All requirements should be: unambiguous, unitary, complete, verifiable, consistent, modifiable, feasible and succinct.

All requirements should be prioritized using the [MoSCoW method](#).

System requirements definition
This section will express the functional requirements of the system as system requirements (e.g from a developer perspective). All requirements should be written using the following template.

Function	
Description	
Inputs	
Source	
Outputs	
Preconditions	
Post conditions	

Assumptions
This section will describe any assumptions you have made in framing your requirements.

3. Submission
- Submit your portfolio task via the appropriate dropbox in Moodle.
- Name your portfolio file *username_se1_s4_portfolio_task.docx*

4. Assessment
Your work will be assessed on the following criteria:

Completeness	All the required components of the work have been completed. Conforms to stated length guidelines. Does not contain notable circumlocution or repetition.
Appropriateness and depth of research. Use of research.	Uses appropriate sources for HE. Uses a suitable range of sources. Displays clear evidence of in-depth research. Where appropriate, research is used to support arguments and facts contained in the work. Is able to synthesise disparate sources into a coherent whole. Techniques for practical exercises have been carefully researched.
Quality of task	The work is clear and the central narrative is well constructed and easy to follow. There are no factual or logical errors. The work is well structured, and there is a clear sense of development from start to finish. The work is engaging and shows excellent evidence of understanding of the topic. Displays excellent problem-solving skills when appropriate.
Academic skills	The work evidences a high level of academic skills. Grammar, spelling, punctuation and presentation are excellent throughout. Referencing and citation is done to a high level. The work is appropriate for a higher education audience. The work follows best-practice guidelines for the completed task (e.g. essay, presentation, report, modelling, etc.).