SE 3K04 Lab 1 (Fall 2009)
Software Requirements Specification – ABM System

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Requirements elicitation and preparation of the SRS document

1 Lab Overview

Through this laboratory session you shall be able to achieve the following two objectives:

1. Practice the "requirements elicitation activity" through interviewing the customer (MacBank Business Analyst)
2. Based on the data extracted from the interview, produce the Software Requirements Specification (SRS) document for the system to be developed.

Every group of students will have a 15 minutes time period to interview the customer. Your TAs will play the role of MacBank Business Analyst. All interviews will be conducted during the laboratory time in your usual lab location.

2 Lab Requirements

MacBank has provided us with their Request for Proposal (RFP) which is posted on the course web-site. Most of the required information is contained in this RFP document. However, as in the real world, some of the information might be missing and other information may be subject to questions.

This interview is your chance to receive answers for the different questions you might have, as well as, obtain additional information that was not included in the RFP. REMEMBER, MacBank Business Analysts are NOT technical personnel. They will be able to assist you with the different Business Rules (BRs) or the general requirements. However, they will NOT be able to answer any questions related to the implementation of the project. You shall concentrate on the ***What*** are the software requirements and not on the ***How*** you should implement them.

2.1 Pre-lab (15 marks)

To make sure that you come prepared for the laboratory session, as well as to assist you in preparing for the interview, all students are required to prepare some documents before coming to the lab session. You are required to hand in the following documents at the end of your interview:

- (5 marks) The full list of questions you have prepared before coming to the lab.
- (10 marks) The first version of your SRS document that you will base on the RFP. Use the following sections from the SRS template posted on the course web-site:
  - Title Page
  - Table of Contents
  - Section 1 – exclude section 1.5
  - Section 2

- Section 4
- Appendix B
- Make sure to change the sections numbering, delete all comments and change the table of contents (you can update your table of contents by simply selecting it, right clicking, and selecting the *Update Fields* option from the pop-up menu).

Your pre-lab work will not be marked for the content, since most likely the majority of it will change in the subsequent versions of your SRS document. It will be marked however, on the quality, and the amount of thought you have invested when preparing this document.

2.2 SRS Document (85 marks)

At the conclusion of your interview, you should have all of the required information to produce your SRS document. You are required to produce a full SRS document based on the template provided for you on the course web-site. The mark breakdown shall be as follows:

- (5 marks) Title page, Table of Contents and Revision History
- (10 marks) Introduction – your introduction should include all of the sections appearing in the template in exactly the same order. Follow the KISS principle – Keep It Simple, Short.
- (20 marks) Overall Description
- (25 marks) Specific Requirements
- (15 marks) Other Non-Functional Requirements
- (10 marks) Other Requirements (if applicable) and Appendices.

REMEMBER! The SRS document is the first document and the initial step in the software life cycle. Many projects have exceeded their budgets and their elapsed time mainly due to poorly gathered requirements. Your SRS should contain **everything** there is to know about the software system you are developing. Your document should be: ***Structured, Complete, Unambiguous, Sound and Consistent, Verifiable, Understandable and Relevant***.

GOOD LUCK!