✓ Contents

✓ Objectives

1. Write Vision and Scope
2. Complete Use Case diagram and User Stories
3. List of business rules
4. Prepare SRS document based on guidelines
5. Prepare requirements prioritization worksheet

✓ Documents will be submitted

1. Vision and Scope (.docx file)
2. Use case (image file extracted from UML Drawing software, i.e: BOUML (http://bouml.free.fr/)and User stories (.docx file)
3. Business rules (.docx file)
4. The SRS document template (.docx file)
5. The worksheet contains list of requirements – not ordered (.xlsx file).

A. Project Selection

Identify an organization that you can work with for the rest of this term, and write an initial statement of the problem that you will analyze for this organization. *Note: In subsequent assignments you will go on to perform a feasibility study, analyze the requirements, and finally write a specification for the problem you identify in this assignment.*

1. *Select an organisation.* You should need to find an organization that is willing to work with you for the remainder of the term (this could be a company connected with your assignment).
2. *Make contact with the organization.* Check that you will be able to meet with some of the key people within this organization during the term, to analyze their requirements.
3. *Identify a possible problem to analyze.* What is your initial idea for a problem that this organization has, for which a software intensive system might be designed? In later assignments you will refine your ideas about the nature and scope of this problem – for now you just need a starting point.

B. Domain Understanding & Requirements Elicitation

This assignment counts for 15% of the final grade

1. *Interview key people* involved in the problem. These may include your contacts, plus others with responsibilities related to the feasibility study.
2. *Study relevant documents*. This may involve reading policy documents, memos, documentation on current systems and new objectives/needs.
3. List all of requirements of organization by elicitation techniques.
4. Requirements ordering
5. *Define alternatives* for conducting business and for automation. Define the criteria you will use to evaluate and choose among these alternatives. Your criteria should include cost/benefit, where applicable.
6. *Create models* of the key aspects of the problem and the alternative solutions. These should include: activity diagrams and/or business process models to represent important business processes related to the problem and the alternative solutions.
7. *Assess unusual circumstances* or special attention items. This may involve special requirements for particular employees or customers of the organization.
8. *Evaluate the alternatives* on technical, economic, schedule and operational feasibility, and choose the one that looks most promising.
9. *Write a report* that describes the objectives of your study, the problem you identified the alternatives you explored, as well as your recommendations.
10. *Document your teamwork* and complete a team report (see attached form)

C. Marking Scheme

Your assignment will be marked by your instructor. If you have questions about a marked assignment, you should ask your instructor before/after a tutorial.

Marks for this assignment will depend on the following factors:

Problem identification (25%): How well have you researched the problem, and the organization you are dealing with by talking to people, reading documents etc. How hard is your problem? (e.g., studying an existing system for a large organization is harder than studying the possibility of a new system for a small store).

Documentation (25%) and Modeling (25%): How complete and accurate are your diagrams describing the problem and the alternatives you are recommending? The supporting evidence you include in terms of figures, tables, cost/benefit analysis etc. Also, organization of appendices; usefulness of supporting information; how well does the evidence support the recommendations?. Assignments will be judged on the basis of visual appearance, grammatical correctness and quality of writing, as well as their contents. Please make sure that the text of your report is well-structured, using paragraphs, full

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sentences, and other features of a well-written presentation. Use itemized lists of points where appropriate. Text font size should be either 12 or 13 point.

Presentation (25%): The style of your presentation, including language, grammar, clarity of the presentation etc. (10% - Language; 15% - Style and clarity)

Team Report Form

(must be submitted with assignment)

Description of roles and contributions of each team member:

Name	% of team Effort	Signature

Date submitted:_____

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