CSC340F Assignment 2 - Requirements Analysis
Marker: ____________________________________________________________

Total Marks:______________/100

Marks for this assignment depend on the factors and criteria listed below.

A:  Requirements Specification (40%)

A1. Problem identification. How well have you researched the problem, and the organization you are dealing with; how well do you describe the alternative you have selected.

Value 10
Marks: _______

* Synopsis of the problem:
  (  ) insufficient  (  ) partially sufficient  (  ) adequate
* Description of the proposed alternative:
  (  ) insufficient  (  ) partially sufficient  (  ) adequate

A2:  Requirements Specification.

How complete and well organized is the presentation of requirements?

Value 30
Marks: ______

* Functional (software) requirements
  (  ) insufficient  (  ) partially sufficient  (  ) adequate
* Non-functional requirements (performance, platform, interface, etc)
  (  ) insufficient  (  ) partially sufficient  (  ) adequate
* Are the requirements numbered and well organized? Are they complete, consistent, unambiguous, traceable, etc.
  (  ) no   (  ) partially   (  ) yes

B: UML Diagrams (40%)

Figures, diagrams and discussion that lead the reader to believe that the requirements you have specified are complete and appropriate for the proposed system.

Value 40
marks: ______

B1. Use Case Diagrams.

Value 10
marks: ______

* (Informal) Description of each Use Case Diagram.
  (  ) insufficient  (  ) partially sufficient  (  ) adequate
* A relevant report derived from the data dictionary was included.
  (  ) yes   (  ) no
* Discussion of the diagrams and how they relate to the requirements.
  (  ) insufficient  (  ) partially sufficient  (  ) adequate
* Quality of the diagrams.

Value 15
marks: ______

* A relevant report derived from the data dictionary has been included.
  ( ) yes ( ) partially ( ) no
* Classes are fully consistent.
  ( ) yes ( ) partially ( ) no
* Adequate use of OCL to define class invariants, also operation pre/post-conditions.
  ( ) yes ( ) partially ( ) no
* Quality of the class model.
  ( ) A- Poor selection - few if any classes are appropriate
  ( ) B- Some valid attempt has been made at identifying classes. Perhaps some serious flaws or omissions.
  ( ) C- Some sensible decisions documented. Perhaps some are inappropriate.
  ( ) D- Nearly all relevant decisions included and suitably justified. Any errors are minor.
  ( ) E- Exhaustive treatment of issues, fully consistent & imaginatively justified.

* (Informal) Description of Class Diagrams.
  ( ) insufficient ( ) partially sufficient ( ) adequate
* Discussion of the diagrams and how they relate to the requirements.
  ( ) insufficient ( ) partially sufficient ( ) adequate
* Quality of the diagrams:
  ( ) A- Little or no attempt to create them, or nounderstanding of structuring.
  ( ) B- Some valid attempt has been made at structuring. Perhaps some serious flaws or omissions.
  ( ) C- Some sensible structuring. Perhaps some essential structuring is inappropriate or missing. Some use of navigability, multiplicity, roles, etc.
  ( ) D- Nearly all structuring well designed. Navigability fully justified. Includes appropriate placement of multiplicity, roles, etc.
  ( ) E- All relationship well structured. Consistent with case study, and imaginatively justified.

B3. Interaction and State Diagrams

Value 15
marks: ______

* (Informal) Description of Interaction Diagrams.
  ( ) insufficient ( ) partially sufficient ( ) adequate
* (Informal) Description of State Diagrams.
( ) insufficient ( ) partially sufficient ( ) adequate
* Discussion of these artifacts and how they relate to the requirements
( ) insufficient ( ) partially sufficient ( ) adequate
* Quality of the diagrams:
( ) A- Little or no attempt, or really does not understand the Interaction and State Diagram notation.
( ) B- Some valid attempt made, but only for obvious interactions, etc. Perhaps Use Cases are not well-thought out.
( ) C- Reasonable attempt. Perhaps some interactions/events are inappropriate or inconsistent. Use Case may not have been prepared with enough care.
( ) D- Sound & complete diagrams. Most interactions/events are appropriate and consistent with all other diagrams.
( ) E- Complete & imaginative, fully consistent with case study & justified by imaginative assumptions.

C. Supporting Evidence (10%) __________________

This includes appendices that describe meetings, diagrams, data dictionary and other information on the preparation of the assignment.

Value 10
marks: ______

D. Presentation (10%) __________________________

This component of the marking scheme evaluates the style of your presentation, including language, grammar, clarity of the presentation, organization of appendices, etc.

Value 10
marks: ______

D1. Language
Spelling and grammar.
Value 5
marks: ______

D2. Style and clarity
Table of contents, proper title page, page numbers, introduction, conclusions, etc.).
Value 5
marks: ______