CSC340S Assignment 2 - Requirements Analysis

Marker:

Team:______________________________________________________

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:
  ( ) worst description in my pile ( ) average ( ) one of the best

* Description of the proposed alternative:
  ( ) worst description in my pile ( ) average ( ) one of the best

A2: Requirements Specification. How complete, well-thought out and organized are the requirements for the new system?

Value 30
Marks:  ______

* Functional (software) requirements
  ( ) worst description in my pile ( ) average ( ) one of the best

* Non-functional requirements (performance, platform, interface, etc)
  ( ) worst description in my pile ( ) average ( ) one of the best

* Are the requirements numbered and well organized? Are they complete, consistent, unambiguous, traceable, etc.
  ( ) no ( ) partially ( ) yes

* Are data to be managed by the system described? System interfaces with other systems?
  ( ) worst description in my pile ( ) average ( ) one of the best

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.
  ( ) worst description in my pile ( ) average ( ) one of the best

* For each use case, there is a relevant entry in the data dictionary.
  ( ) yes ( ) no

* Discussion of the diagrams and how they relate to the requirements.
  ( ) worst discussion in my pile ( ) average ( ) one of the best

* Quality of the diagrams (choose one).
  ( ) A- Poor selection - few if any Use Cases are appropriate.
  ( ) B- Some valid attempt has been made at identifying Use Cases. Perhaps some serious flaws or omissions.
  ( ) C- All high level Use Case description documented. Perhaps some are inappropriate.
  ( ) D- Some relevant expanded version of Use Cases included. Sensible structuring of Use Cases. Only minor errors.
  ( ) E- Exhaustive treatment of Use Cases. All relevant relationships have been captured.

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 CL to define class invariants, also operation pre/post-conditions.
  ( ) yes ( ) partially ( ) no

* Quality of the class model (choose one).
  ( ) 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.
  ( ) worst description in my pile ( ) average ( ) one of the best

* Discussion of the diagrams and how they relate to the requirements.
  ( ) worst discussion in my pile ( ) average ( ) one of the best
* Quality of the diagrams (choose one).
  ( ) A- Little or no attempt to create them, or to structure them.
  ( ) 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 multiplicities, 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.
  ( ) worst description in my pile ( ) average ( ) one of the best

* (Informal) Description of State Diagrams.
  ( ) worst description in my pile ( ) average ( ) one of the best

* Discussion of these artifacts and how they relate to the requirements
  ( ) worst discussion in my pile ( ) average ( ) one of the best

* Quality of the diagrams (choose one).
  ( ) 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. Report (10%) __________________

Covers the overall structure of the report. 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: ______

( ) worst presentation in my pile ( ) average ( ) one of the best