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.

B2. Class 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 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