

## IS446 – Systems Analysis and Design

Instructor: Kevin Trainor

Assignment: Non-Functional Requirements Practice Assignment

Course Component: Skills Practice Assignments

Grading Rubric

### Base Point Allocation

#### Base Points (23 available points)

##### Requirements

Assignment submitted on-time or within the allowable late period.

Percent Credit	Description
100	Meets all expectations.
0	Not submitted or submitted too late.

## Submission

### Timeliness (16 available points)

#### Requirements

Must be submitted by date and time indicated in the weekly schedule.

Percent Credit	Description
100	On Time
0	Late
0	Not submitted or submitted too late

### Physical Submission (10 available points)

#### Requirements

Submit only 1 file.

The file submitted must be of type .PDF

The file submitted must follow the naming conventions indicated in the instructions document.

Percent Credit	Description
100	Meets all expectations.
50	Meets nearly all expectations.
0	Does not meet expectations.
0	Not submitted or submitted too late.

## Exercise 1 (Regular)

### Appropriateness and Completeness (23 available content points)

#### Requirements

Each requirement listed must be a non-functional rather than a functional requirement. That is to say that non-functional requirement must describe a requirement that specifies a criteria that can be used to judge the operation of a system, rather than a behavior that the system must exhibit to enable system users to achieve their job-related goals.

Whenever possible, preferences should be identified as such rather than as requirements. Too many non-functional requirements may guarantee that the system may only be realized through in-house development.

Usability requirements must be addressed.

Reliability requirements must be addressed.

Performance requirements must be addressed.

Supportability requirements must be addressed.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

### Format and Organization (23 available content points)

#### Requirements

Each non-functional requirement should generally take the form of "the system shall ...".

Each non-functional requirements should be expressed in a complete sentences that would be understandable to the typical business reader.

Non-functional requirements that could be classified in more than one category should not be repeated. Instead, list the requirement under one of the categories and place "see requirement #X.Y" instructions under all other categories.

Short lists (10 or fewer items in total) may be organized into a single numbered list.

Longer lists (11 or more items in total) should be organized into a category-oriented numbered outline.

The list or outline must be neatly formatted.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

## Exercise 2 (Challenge)

### Appropriateness and Completeness (3 available content points)

#### Requirements

Each requirement listed must be a non-functional rather than a functional requirement. That is to say that non-functional requirement must describe a requirement that specifies a criteria that can be used to judge the operation of a system, rather than a behavior that the system must exhibit to enable system users to achieve their job-related goals.

Whenever possible, preferences should be identified as such rather than as requirements. Too many non-functional requirements may guarantee that the system may only be realized through in-house development.

Requirements must address security, manageability, or interoperability.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

### Format and Organization (2 available content points)

#### Requirements

Each non-functional requirement should generally take the form of "the system shall ...".

Each non-functional requirements should be expressed in a complete sentences that would be understandable to the typical business reader.

Non-functional requirements that could be classified in more than one category should not be repeated. Instead, list the requirement under one of the categories and place "see requirement #X.Y" instructions under all other categories.

Short lists (10 or fewer items in total) may be organized into a single numbered list.

Longer lists (11 or more items in total) should be organized into a category-oriented numbered outline.

The list or outline must be neatly formatted.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

## **Total Available Points = 100**

Please Note: This grading rubric allows for adjustments to be made to your content point score. The total number of content points available to be awarded on this assignment is 51. An adjustment of up to 36 content points may be made for submissions that have a low content point score and yet meet the following criteria: Assignment must be submitted on time. Work submitted must show good faith effort on all REGULAR EXERCISES. It is possible to qualify for the points adjustment without having submitted work on the CHALLENGE EXERCISE.