CIS5200 S3 2016
Professional Skills for Systems Analysis
Assignment 2 Instructions

Assignment Presentation:

Your assignment should have a professional presentation; including your name, student number, course and semester only on the cover page. The rest of the assignment should look like a professional Systems Analyst's report.

Word Length:

There is no word limit in this assignment, brevity and clarity is more important than volume of words. As noted above you should pay particular attention to use of headings, sub-headings, fonts and other ways of improving readability, Systems Design and Analysis is all about clarity of communication.

ASSIGNMENT 2STRUCTURE

- **Cover Page**

In this assignment cover page usually includes course code and name, semester, assignment title, student name, and student ID.

- **Abstract**

Abstract is one of the important parts of reports, research papers, and academic assignments. The abstract is often the last item that you write, but the first thing people read when they want to have a quick overview of the whole paper. I suggest you leave writing the abstract to the end, because you will have a clearer picture of all of your work. A good abstract should has one well-developed paragraph that is coherent and concise, and is able to stand alone as a unit of information covers all the essential academic elements of the full length paper, namely the background, purpose, focus, methods, results and conclusions contains no information not included in the paper.

- **Table of Contents**

The table of contents usually includes the titles of the first-level headers, and often includes second-level or section titles (A-heads), and occasionally even third-level titles (subsections or B-heads).

- **Introduction**

In this assignment introduction usually includes the following:

1- Case study background
2- What is the report about?

- **Task1:**

You need to draw ERD for Auto-Part Warehouse that including the types of relationships between the entities.

You need only to draw a diagram

- **Task2:**

For each of the entities identified, design tables and identify the possible candidate keys, the primary key, a probable foreign key, and potential secondary keys.

1- First you need to identify the entities that related to the Auto-Part Warehouse system.
2- Create a table to each entity that you identify as shown below:

For example; one of the entities that you identify is Parts.

Part:				
Part Number	Store Number	Part Description	Quantity	Cost

The possible Keys

Candidate keys	
Primary key	
Foreign key	
Secondary keys	

- **Task 3:**

Create fully normalized 3NF table designs for the system.

Create 3NF table designs should include all the entities that you identified in Task 2

- **Task 4:**

Suggest ways Auto-Parts Warehouse can use codes to simplify output, input, and data formats.

Students' answers may include part numbers as an obvious use of codes for a retail store. Invoice numbers would be an example of sequence codes. A full discussion of codes can be found on pages 381 –384.

- **Reference List**

Formatting Your Reference List. All documents cited in your assignment must be listed in a single alphabetical list at the end of the assignment.

Good Luck