**King Saud University**

**College of Applied Studies and Community Service**

**CT 1414-System Analysis and Design 2**

1st Semester 1438-1439AH

**<Project Title>**

|  |  |  |  |
| --- | --- | --- | --- |
| ID | NAME | SN | Section # |
| *Stud. id* | *Write the student name* | *your serial #* | *your section #* |
| *Stud. id* | *Write the student name* | *your serial #* | *your section #* |
| *Stud. id* | *Write the student name* | *your serial #* | *your section #* |
| *Stud. id* | *Write the student name* | *your serial #* | *your section #* |

**Supervised By:**  <*your Supervisor Name.>*

# Project instructions

The project is a major part of your grade (10%). The project involves the analysis and design of an information system.

The projects should include the following:

* A title pages.
* Team members.
* Table of contents.
* Problem statement of the system.
* Project description.
* Functional and non-functional requirements using text.
* Models of the future system, the models should follow the Structural or UML object-oriented method. [ Use case diagram – Class diagram – SSD diagram- Sequence diagram]

# Project description **[ Due date – 16 Nov]**

*1. The project should address a real life situation and be implemental. I suggest that you search the Internet for B-C e-commerce systems that you can use. For example, the following are good sources:*

* *airline (or train, cruise, concert, or other) ticket purchase*
* *shopping sites on the internet*
* *Online banks and financial institutions*
* *Online insurance (life, medical, homeowner, and others) purchase*
* *Rentals (car, video, audio, and others)*

# Problem statement **[ Due date – 23 Nov]**

*Write a short description of the system you propose to work with throughout the project. Provide an overview of the system and some additional information to place the system in context i.e. who is your client, what are the activities, the purpose and scope of the study or services provided and so on.*

*Your documentation must include:*

*-Source documents, including screen dumps, from the website.*

*-A brief description of functionality provided by the system.*

*-A problem statement (Systems Proposal) (Include only the problems or limitations you encountered; there is a need for objectives and scope)*

# Requirements **[ Due date – 28 Nov]**

## Functional requirements

*Describe all system requirements in enough detail for designers to design a system satisfying the requirements and testers to verify that the system satisfies requirements.*

*Organize these requirements in a way that works best for your project.*

*Each requirement should be numbered (or uniquely identifiable)*

*[List the functional requirements of the system.]*

## Non-functional requirements

*[List the non-functional requirements of the system categorized.]*

# Data Flow Diagrams **[ Due date – 3 Dec]**

*[provide DFD for the proposed system.]*

# Use case Diagrams **[ Due date – 5 Dec]**

*[provide Use case diagram for the proposed system.]*

# Use case scenario **[ Due date – 10 Dec]**

*[provide only* ***two*** *Use case scenarios for the proposed system.]*

# Class Diagrams **[ Due date – 14 Dec]**

*[provide Class diagram for the proposed system.]*

# System sequence Diagrams **[ Due date – 17 Dec]**

*[provide SSD diagram for the proposed system.]*

# Sequence Diagrams **[ Due date – 21 Dec]**

*[provide sequence diagram for the proposed system.]*

**Work Distribution:**

|  |  |
| --- | --- |
| WORK | NAME |
| *Write what did each student work on.* | *Write the student name* |
|  |  |
|  |  |
|  |  |
|  |  |