Assignment 2

Deadline – 17th Feb 2020 11:59 pm

Late submissions – 10% penality

TASK 1: Planning Scheduling and Peer Evaluation

You will make a table like the one you have created for the previous week. The table should focus on the current assignment only!!

Assignee Name	Email	Task	Duration (hours)	Dependency	Due date	Evaluation
Jane Doe	Jane123@student.gsu.edu	Class Diagram	4 hours	None	2/2/19	75% Jane – partial contribution Alex did it
Alex Brian (coordinator)	example@gsu.edu	Technical writing	3 hours	Use cases, requirements, diagrams	2/4/19	100%
Michael Jordan	example@gsu.edu	Use Cases	6 hours	None	2/3/19	0% Michael did not do the assigned task Alex did it

Note: the evaluation is how much the person was given by the rest of the team. For example, here Jane was given 75% for her work by her team

TASK 2: Revise and Refine your System (Improved Problem Statement)

- Based on the feedback provided and additional topics covered in class, you are to revise, refine, complete and include your problem statement and user requirements with A2
  Therefore, you will write an improved version of the Problem Statement you provided in A1.

TASK 3: System Requirements

1. Use Case Diagram

Give a Use Case diagram for TWO of the use cases that you have for the project. For example, if you have 12 use cases for your project, you can select one of those and represent that using a use case diagram.

Have a minimum of 12 use case diagrams for your project. (Do NOT draw use case diagrams for login or logout use cases)

NOTE: You must use Microsoft Visio/figma to draw use case diagrams.

- Microsoft Visio should be available from the CS departments software page with Microsoft Imagine. You should be able to download your personal copy here: https://cscit.cs.gsu.edu/sp/software/start
- Click on the "Microsoft Imagine Web Store" link
- Microsoft Visio is for Windows-Only, no Mac

Refer page 146 Figure 5.5 for use case diagram. Also look at the following link to get a better understanding.
http://www.agilemodeling.com/artifacts/useCaseDiagram.htm

2. Use Cases

List all the Use Cases (at least 12) that you have for the project. Each Use Case must follow the following format.

Refer page 145 Figure 5.4.

Use Case no.: Use Case Name:
Actors:
Description:
Alternate Path:
Pre-condition:

3. Requirements

In this section you will clearly mention the requirements for each use case you have. Therefore, if you have 12 use cases you should have 12 requirements in this section. The requirements must be written in the following format:

Refer page 124 Figure 4.13: Read 4.1, 4.1.1, 4.1.2, 4.4.3

Requirement number: Use Case number:
Introduction:
Inputs:
Requirements Description:
Outputs:

TASK 4: System Modeling (Analysis)

NOTE: You must use Microsoft Visio to draw class diagrams.

- Microsoft Visio should be available from the CS departments software page with Microsoft Imagine. You should be able to download your personal copy here: https://cscit.cs.gsu.edu/sp/software/start
- Click on the "Microsoft Imagine Web Store" link
- Microsoft Visio is for Windows-Only, no Mac

Database specification and analysis:

- Specify your system database tables (data attributes and their types) and relationship between them (Primary Keys and Foreign Keys,etc..)
- Specify the type of database management system (MySQL, MS-SQL server, Oracle, etc.) you will use in your project

APPENDIX: Communication and Collaboration
Github :

- Using the project you created for A1, identify a new To do;In Progress and Done columns for A2 Under these columns, create your own cards and have the assigned tasks and their status (in progress and done) written there as a list.
- Submit a screen shot of your project page

Report

1. Report Format:
   - First page has (individual page): the project title, group name, members' names, semester, and year.

- Font size 12, Font type is times new roman, single space between lines.
- All paragraphs must Text Justified.
- Pages are numbered
- Diagrams and tables must be centered.

2. Report Sections: (remember to revise and refine your system)
    - Planning and Scheduling.
    - Problem Statement
    - Requirements
        - User Requirements
        - System Requirements
    - System Modeling
    - Appendix: Have all the screen shots in this section.

3. Report Submission: you will submit the report electronically as a PDF file:
    - The file you submit should be named coordinatorName_Groupnumber.pdf
      For example – Jane Doe is the coordinator and group number is 5 – the submission must be JaneDoe_5.pdf
    - Only the team coordinator should submit the report.
    - You (team coordinator) will also print out a copy of the report and submit it before the class.