Sun, April 14

DELEGATION OF TASKS

1. [5 POINTS]

Well described delegation of tasks, i.e. who did what in the project. Now that your project is complete, you are required to submit the delegation of tasks from beginning of the project until the end. Please make sure to fairly distribute tasks in the team and remember that in the end of the semester, each member of a team will receive the same grade. See grading policy below for more detail.

PEOPLE: Kayla

2. [5 POINTS]

Everything required and already submitted in Final Project Deliverable. Please specify this part as “Project Deliverable 1 content”.

PEOPLE: Brent

3. [50 POINTS]

Project Scheduling, Cost, Effort and Pricing Estimation, Project duration and staffing: Include a detailed study of project scheduling, cost and pricing estimation for your project. Please include the following for scheduling and estimation studies: duration and staffing: Include a detailed study of project scheduling, cost and pricing

3.1. [20 POINTS]

Project Scheduling. Please note that what you present should be the timeline of the project designed, NOT the time you’ve spent on it. Use an automated tool (such as MS Project) to plan a schedule for your project. It should include tasks, durations, and dependencies for your project provided on a table (similar to Figure 23.5), as well as an activity bar chart (similar to Figure 23.6) drawn using an automated tool (such as MS Project). A guideline document on how to install MS Project from Microsoft Imagine link, as well as a sample MS Project file for helping you prepare a timeline graph were already provided as part of hw7 and provided again attached to this document. Also, remember that MS Project is installed and ready for use in UTD Open Lab computers.

PEOPLE: Taylor

3.2. [15 POINTS]

Cost, Effort and Pricing Estimation. Describe in detail which method you use to calculate the estimated cost and in turn the price for your project. Some cost modeling techniques you may use are listed as follows:

1. *Function Point*

Or any of the following COCOMO II estimation models

2. *Application composition*
3. *Early design*
4. *Post-architecture*

PEOPLE: Renno, Kayla

i. Function Point

3.3. [5 POINTS]

Estimated cost of hardware products (such as servers, etc.)

PEOPLE: Brent

3.4 [5 POINTS]

Estimated cost of software products (such as licensed software, etc.)

PEOPLE: Jorge

3.5 [5 POINTS]

Estimated cost of personnel (number of people to code the end product, training cost after installation)

PEOPLE: Taylor

4. [10 POINTS]

A test plan for your software: Describe the test plan for testing minimum one unit of your software. As an evidence, write a code for one unit (a method for example) of your software in a programming language of your choice, then use an automated testing tool (such as Junit for a Java unit) to test your unit and present results. Clearly define what

test case(s) are provided for testing purposes and what results are obtained. (Ch 8)
PEOPLE: Luis

5. [10 POINTS]

Comparison of your work with similar designs. This step requires a thorough search in the field of your project domain. Please cite any references you make.

PEOPLE: Kairo, Renno

6. [10 POINTS]

Everything required and already submitted in Final Project Deliverable. Please specify this part as "Project Deliverable 1 content".

PEOPLE: Brent, Luis, Kayla

ii. Write: Brent, Luis
iii. Review: Kayla

7. [5 POINTS]

References: Please include properly cited references in IEEE paper referencing format. Please review the IEEE referencing format document at the URL: https://ieeedataport.org/sites/default/files/analysis/27/IEEE%20Citation%20Guidelines.pdf

It means that your references should be numbered, and these numbers properly cited in your project report.

PEOPLE: Brent, Taylor, Luis

8. [5 POINTS]

Your presentation slides. No min/max number of slides enforced. Please make sure that you can complete presentation within 12 (twelve) minutes. Following template could be a good start to prepare your presentations. As each project topic is different, a variety in presentation style is expected and welcome.

- Title of your project together with participants

- Objective of the project designed

PEOPLE: Taylor, Brent

- Cost estimation

PEOPLE: Renno, Kayla

- Project timeline (timeline of the project designed, NOT the time you've spent on it)

PEOPLE: Taylor

- Functional and non-functional requirements. If too long, select representative items.

PEOPLE: Taylor, Kayla

- Use case diagram

PEOPLE: Renno, Jorge

- Sequence diagram for a selected representative operation of the project.

PEOPLE: Brent, Kairo

- Class diagram

PEOPLE: Taylor, Brent, Kayla

- Architectural design

PEOPLE: Taylor, Luis

- Model-View-Controller (MVC) pattern (similar to Figure 6.6)
- Layered architecture pattern (similar to Figure 6.9) 4
- Repository architecture pattern (similar to Figure 6.11)
- Client-server architecture pattern (similar to Figure 6.13)
- Pipe and filter architecture pattern (similar to Figure 6.15)

- Preferably a demo of user interface design that shows screen to screen transitions though no full functionality is required.

- OPTIONAL: IF implemented the project, a demo of your implementation

PEOPLE: Kayla