PM Assignment #2: Using Project Libre
Due: Friday, 9.16.22, by 11:59 pm

Overview

For this assignment, you'll need to download and install Project Libre (projectlibre.com). You'll use it to complete a spreadsheet and Gannt chart for the RoboHome project. You'll use the ARAM you created in PM #1 for the RoboHome project, so if you didn't do the ARAM correctly, be sure to correct it. If you aren't sure what you did incorrectly, please ask me. You should have at least 25 tasks, i.e., 25 more lines in your ARAM than in the WBS that was included in the prompt.

Assignment Items

1. Create a new project by opening Project Libre and choosing Create Project. Choose a start date of Jun. 1, 2023. Save your project as `<first_initial+last_name>_pm2`, e.g., `sbroschat_pm2`. Project Libre will assign the correct extension (`.pod`). Important: Save your work often because Project Libre (at least with macOS) has some issues.
2. In the Name column, add the project name (RoboHome Project) as item 1.
3. Next, add all the items from your ARAM under the Name column. This should include all work items, work packages, and the tasks you added to complete the work packages.
4. Next, click on the Resource tab and then on Resources. Add all five names of the people working on the project. Then in the Standard Rate column, use rates of $50 per hour for the engineers and $30 per hour for the technician.
5. Click on the Task tab and then on Gantt. In the Resource Names column, add the name(s) of the resource(s) assigned to each **task**. Don't add a resource name to work items or work packages—only to **task** items, i.e., the tasks you came up with. Additionally, right click on the "Resource Names" column header, select "Insert Column," then in the pop-up prompt, select the "Text1" field. Rename "Text 1" to "Primary," and enter the primary resource name for each task. Note that the primary resource name should also appear in the "Resource Names" column.
6. Next, add the number of days each task will take in the Duration column.
7. Select all the items below the RoboHome item. To do this just place your cursor in the number 2 on the far left and with the middle button of your mouse or its equivalent pressed down, scroll down to the end of your items. After releasing the button, click on Indent.
8. Next, indent all the work packages one-by-one (there should be twelve; they're the ones listed with deliverables in the WBS shown in the PM #1 prompt), and then indent the tasks for each work package. Hint: You can determine whether you've indented correctly by hiding all the tasks and clicking on WBS. This will show you the WBS tree. To return to the Gantt chart view, just click on Gantt.
9. If you hid the tasks, unhide them. Your next challenge is to indicate the dependencies, i.e., what task or tasks must be completed before another task can be started. Try not to make this too complicated. There are two ways to indicate dependencies. The first is to type the number or numbers of the tasks, i.e., the line item in the far left, in the Predecessors column. The second is to click on a task in the Gantt chart itself, and then drag your cursor to the task it must precede.
10. Click on Save Baseline. In the pop-up window, click on Okay. This saves the baseline for your original schedule. If tasks take longer, this baseline will remain the same, but you can then choose a new baseline for completing the work.
11. In this final item, you'll explore a bit more of the functionality of Project Libre. Click on the View tab and then on Resource Usage. This can be used to see how many hours each person is scheduled to work and when they'll be working. Next click on Gantt and then on the menu with No Filter and choose Critical tasks. This will show you the critical tasks that dictate the critical

path. Switch back to No Filter and click on Network. This will give you the network diagram for your entire project, and it contains a lot of useful information.

Deliverables

- Your RoboHome `.pod` file correctly named as instructed in item 1 above uploaded to Canvas *before* 11:59 pm on Friday, 9.16.22.

Grading

The grading rubric is the same as the one used for all regular homework assignments and is shown in Canvas.