Deliverable E-Project Schedule and Cost

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Introduction

This deliverable provides a simple outline of our remaining tasks, and we will follow the schedule to make sure we finish our design on time. We also provide a table of components, materials, and costs. We will show our plan and the analysis to the client during the next meeting.

List of tasks

1. Discuss with the hydroponic team and decide the base size, 30 mins, Joshua.
2. Select a roof shape from brainstorming ideas, 1 hr, all members.
3. Determine what kinds of materials we need to use for building the greenhouse, 20 mins, all members.
4. Build the 6 x 6 base, 2 hrs, all members.
5. Build the walls, 2 hrs, all members.
6. Nail the walls and base together, 1 hrs, all members.
7. Nail the roof, 1.5 hrs, all members.
8. Build a frame to support the hydroponic system, 3 hrs, all members.

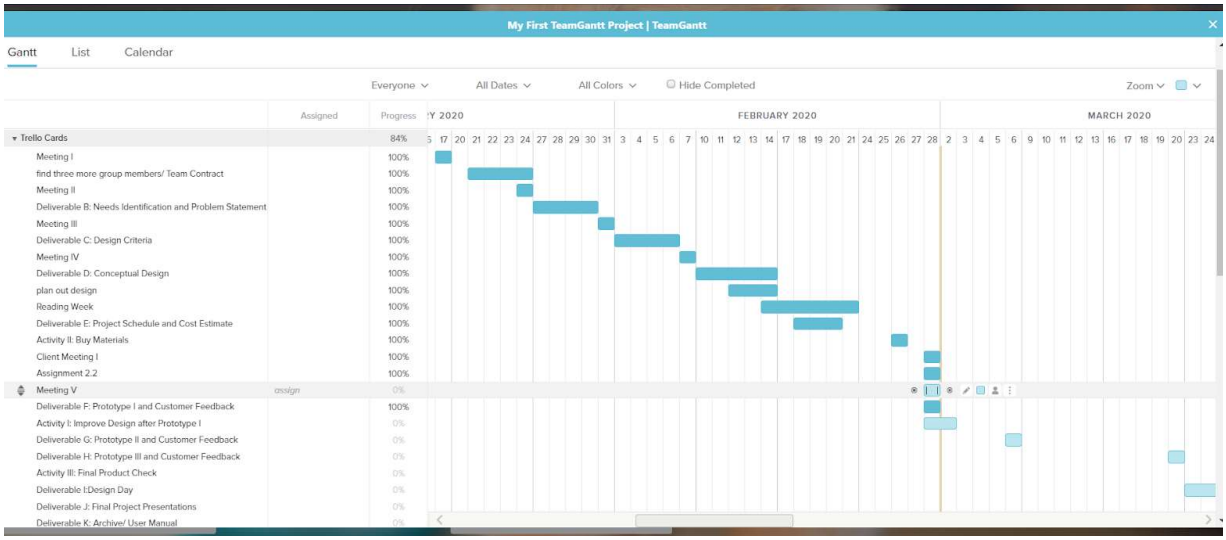

Figure : Project Timeline

Project risks and associated contingency plans

1. Hydroponic system not fitting properly inside the greenhouse

We could communicate to the hydroponics team the dimensions of the greenhouse to avoid any problems of the system not fitting within the greenhouse. If the system is created and still doesn

not fit within the greenhouse we could modify the dimensions/shape of the hydroponics systems to make it fit properly within the greenhouse.

2. Structural integrity of the greenhouse

Extra supports can be added to the structure where it is needed to make sure the structural integrity of the greenhouse is suitable for the conditions it will be placed under.

3. Weather-proofing

Making sure the vinyl has no punctures in it to prevent water from entering and making sure the roof is properly sealed to make sure no water can enter between the panels of the roof.

Estimate cost of components and materials

The following table lists the costs associated to each material

Product	Use	Size (Area/in^2)	Cost ($)
OSB	Base	432	10.74
Spruce Wood (2x3)	Building Structure	30 Boards	65.70
Spruce Wood (2x4)	Base Structure	6 Boards	17.94
Clear PCT Vinyl	Walls	1872	21
Corrugated Plastic	Roof	504	105.73
Door	Entrance	30x80	41.99
Screws and Nails	Fasteners	Approx. 50	10.00
Gutter	Water Collection	8 ft	8.49
Wire Mesh	Rodent Protection	288	57.00
			338.59

Conclusion

In conclusion, we made a plan on when each task should be completed and who they should be completed by. We used Trello to create a Gantt chart to set deadlines on when tasks need to be completed and other important deadlines, such as team meetings. We also made a table showing all the materials that will be needed to create our greenhouse and the cost associated with them. Our structure came out under the budget of $500 that was given to use to create our greenhouse.