Deliverable F: Prototype I and Customer Feedback

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GNG1103-A00 Group 7

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Wrike Snapshot:
https://www.wrike.com/frontend/ganttchart/index.html?snapshotId=Ke9LFVCJaVb9Y0jjzCRMytRuKAgTgqsr%7CIE2DSNZVHA2DELSTGIYA

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1.0 Client Feedback

While we have not received any feedback directed at our design, we've been able to extrapolate some of the client's feedback from their comments on others' designs. We noticed that they liked many of the larger, more organically-shaped buildings with more curves than our current design. The client also seemed to like having more greenery in the building than just the rooftop garden that we planned originally, and an overlook that was also much larger than we had planned for. We were able to identify that the client seemed to mostly want our building idea, but larger, rounder and more open. Therefore, we have used our analysis of other groups' features to try and predict what feedback we would likely have received.

2.0 Prototype

Our current building design was focused on spatial efficiency, with a lot of rooms put in as compact of a space as possible, to keep the price down and to avoid encroaching on the surrounding environment. Because of this, we designed our prototype, which was a 3D model of our planned office space, to follow that idea. This means that all that the office contains is the desk, chair and two filing cabinets that have bookshelves built into them, to use the space as efficiently as possible.

3.0 Analysis

The critical components of the building are the load-bearing walls, the vertical and horizontal support beams, as well as the I-beams that will support the floor all around the overhang. Additionally, the ceiling beams made of locally sourced wood will not only be critical components of the structure, but also necessary aesthetic components.

4.0 Prototyping Test Plan Results

Since we have not received much in terms of feedback or results, our group is considering our results to be the extrapolated preferences of the client discussed in 1.0. Because of this lack of actual feedback from the client, our new prototyping test plan is

almost identical to the previous test plan. Our design is the same as in the previous deliverable, shown here:

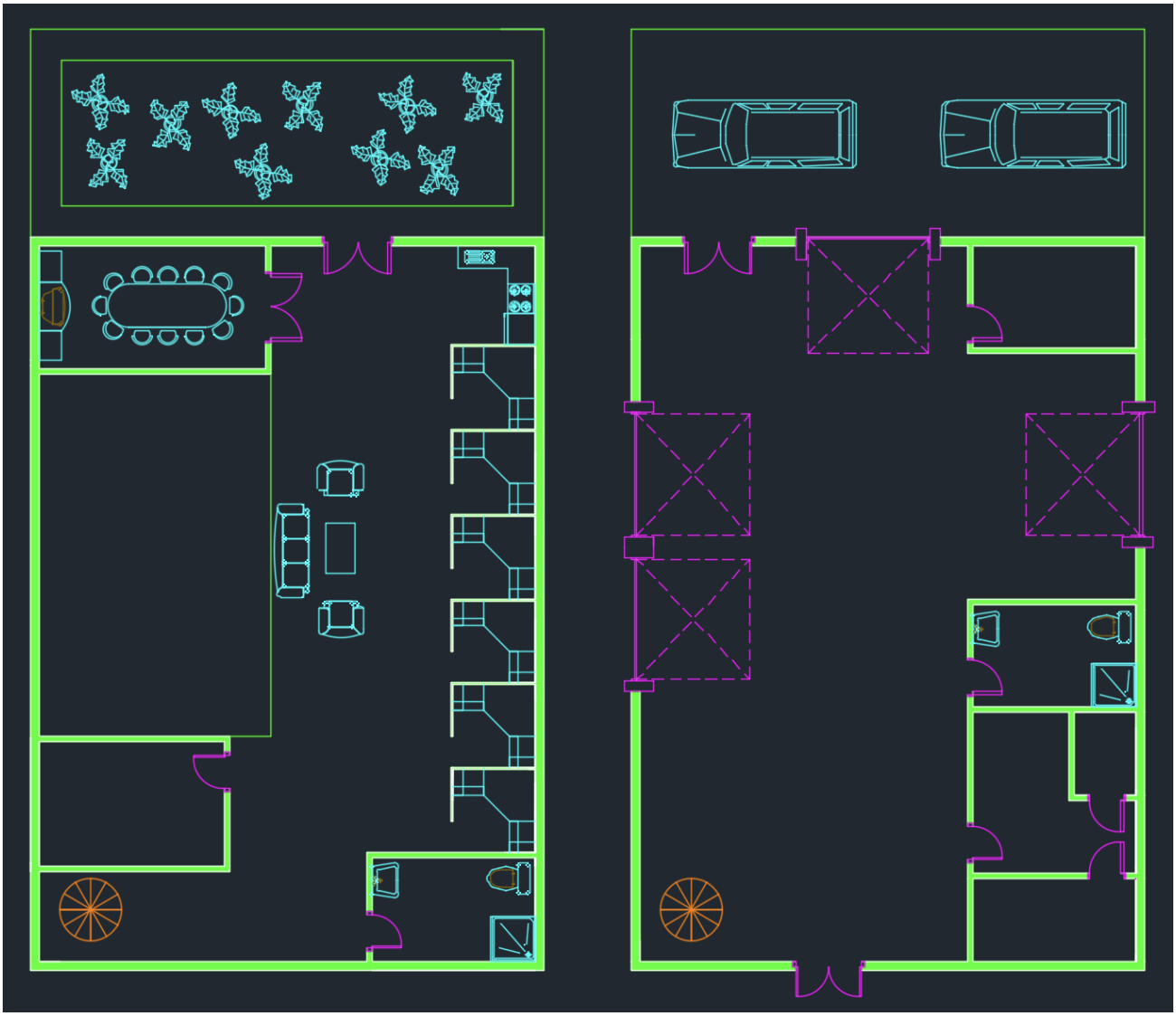

Figure 1: Floorplan

5.0 Additional Feedback and Comments

One source of feedback we were able to acquire came from the group sitting opposite to us during our client meeting. We had been talking to them about the differences between our designs, and what our main priorities and thoughts had been

when initially conceptualising our designs. Their current design consisted of a single large ring, with plenty of accessibility options and outdoor spaces. They had mentioned that their primary feedback from the second client meeting had consisted mostly of positive reviews of the large central greenspace, and intrinsic flow of air and sunlight into all parts of the building. Thus, they encouraged us to try and incorporate more open spaces and outdoor areas, to appease the client.

Another common trend we noticed that most groups had included in their presentations was 3D renderings of the building. Seeing these incorporated into some of the presentations made it much easier to visualise the project. Thus, we reached out to one group that had especially well-done renderings, to inquire about which software they had used to do so. Although we currently are uncertain of whether or not the time needed to create such renderings would be worth the trouble, especially considering the quickly approaching design day, getting that information from the other group would definitely make that process simpler, and if necessary, we could reach out for further aid.

6.0 Updated Target Specs

After the third client meeting in which we were given the opportunity to see other groups' designs, we have updated our list of priorities and needs for our own design. As mentioned earlier, following the trends of others layouts, we have primarily noticed that our current design seems to be missing several key features. Mainly, we have reevaluated our need for a laboratory space in our building, as currently we only designated an open space for what we believed was going to be just a large work table. However, after witnessing the ideas from the groups who focused solely on creating a lab space, we have found that this area would theoretically resemble a typical workspace found on campus, per say. With this newly drawn conclusion, we have come to the decision that an enclosed laboratory is necessary.

We also noticed the disparity in budget use between us and other groups. Although spending does not necessarily correlate to improvement, we did find that other groups were able to fit many more features into their design, by maximising floorspace and creating more mixed-use spaces. With this, we decided that we should move many more features around, and try to blend what were previously individual rooms into multipurpose spaces.

Another discrepancy between our current design and the others was our apparent lack of aesthetic choices. Considering that our clients have heavily

emphasised that they seek a space that is able to encapsulate their communal beliefs and surroundings, we noticed an apparent lack of industrial-esque spaces. Instead, we saw very interesting building layouts that did not focus primarily on efficiency and budgeting, but instead on creating a balanced feeling of creativity and productivity.

7.0 Prototyping Test Plan for Second Prototype

Figure 2: Prototype 2 Table

Test ID	Test objective	Description of prototype used and basic test method	Description of results to be recorded and how the results will be used	Estimated test duration and planned start date	Stopping criteria
1	Receiving feedback on the 3D office cubicle model	The walls and floor of the model will be made of 3mm MDF board, and the furniture will be 3D printed. We will show the client the model and ask for their opinions on the layout.	The results will be in the form of feedback from the client, either positive or negative and will be used to rework our design to both meet the client's specific requests for this space and their requests for the overall building, so that neither part causes problems for the other.	The estimated test period for this objective begins with the creation of the model and ends once feedback from clients is given, and could be repeated if the model is changed. This can be expected to take from early november until design day.	It will finish when either the client approves of the design or there is not enough time to remodel the design.
2	Receiving feedback on the current building blueprint	We have made a new blueprint of the building that amalgamates the parts of each previous design that the client liked. We will show this design to the client and ask them about	The results will be in the form of feedback from the client on each individual part of our blueprint. From the results, we will keep the parts they like unchanged, and redesign the parts the client did not like so that the parts are designed the way the client	This process should be resolved when the client is able to respond to our questions regarding our third client meeting. Ideally by November 17th.	This process will be complete when the feedback from the clients is given, and the group reaches a decision that works with their

		their opinions on the new layout.	wishes.		solution.