Deliverable I – Design Day Presentation Material

GNG 1103[B]

B04-18

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Objective:

Present the results of your final prototype to your peers, professors, users/customers and anyone else who is interested in your project during the course design showcase.

Instructions:

As a group, you will prepare a 3 min pitch which you will deliver to fellow students, professors, potential users/customers and anyone else who may stop by the showcase to check out your work. You should also be prepared to answer questions related to your product. Your project and final prototype will be judged (based on the provided client and judge evaluations forms) by a group of users/clients who will provide you with 3 mins to pitch your product and answer questions (5 min). Specifically, you should present:

1. "*So What?*". Motivate the problem. This will require some **research** and **rehearsal**. You need to be very crisp and clear about what problem you have solved.
2. "*Who Cares?*". Explain the basic user requirements, as well as **current solutions and alternatives** and why solving the problem is important.
3. *"Why you?"* and *"Why now?".* Explain the differentiation in your design or the key aspects that make your product better and needed right now.
4. Provide a demonstration of your product **in action** and **preferably working**.

Your project should be in its final state, as described by your team in your previous deliverables, in order to achieve your prototyping and testing objectives. If your prototype is not finished, you should prepare a very good justification as to why your team was not able to achieve its objective. This justification should be reasonable and outside the control of your team.

You will be provided table space to display your prototype. You should provide any additional visual stimuli that you deem necessary to showcase your work (poster, handouts, virtual simulation/animation, previous prototypes, testing videos etc.).

Task Plan Update:

5. Update your Wrike task boards to include any changes in estimated task duration, missing tasks, task responsibilities, milestones, or dependencies, based on your better understanding of the project or based on feedback that you have received from your PM/TA.
6. Include more detailed sub-tasks for the tasks that will need to be completed over the next few weeks.

- *Important note*: It should be possible for ONE person to complete each identified task or sub-task in the allotted time. The allotted time should also be *reasonable*, based on the task owner's availability. Everyone should be doing their fair share of the work.

7. Verify and update the task start dates and end dates for each task, based on your project progress.
8. Ensure that you have taken into account each team member's *actual* availability over the next two weeks, as well as significant events, such as particularly high course loads, exams or travel, which might be going to limit actual project work progress.
9. For *each* person in your group, it should be possible to determine:

- What was completed last week (i.e. "**Completed**" tasks),
- What will be done next (i.e. "**In Progress**" tasks)
- If tasks are going to be put "**On Hold**" or "**Cancelled**" altogether

10. Any and all group "Issues" should be discussed and dealt with, ideally with the assistance of your Project Manager (PM). This should happen during **each** of your lab sessions or can happen earlier, using your defined communication methods. As already explained, it is essential to keep your PM/TA "*in the loop*" throughout the term. It is

usually *not* a good idea to ignore conflicts between team members. Instead, you should deal with them in a constructive way.

"*So What?*". Motivate the problem. This will require some **research** and **rehearsal**. You need to be very crisp and clear about what problem you have solved.

Ambico, a door manufacturing company needs a jig to aid in the drilling of holes/tapping of their doors. It is our task to create a reusable, reliable jig(s) that is easy to operate that will fit the dimensions of the door hinge and backset, with the proper arrangement of holes for drilling/tapping.

"*Who Cares?*". Explain the basic user requirements, as well as **current solutions and alternatives** and why solving the problem is important.

Our current solution is a plastic jig that will fit into the groove of the door hinge to line up the tapping holes to the customer's specifications.

"Why you?" and *"Why now?".* Explain the differentiation in your design or the key aspects that make your product better and needed right now.

Our jig incorporates the hands-free experience and eliminates any guessing when it comes to drilling and tapping. Ultimately, making the jig more user friendly than the ones they use now. We use a C clamp like system to stabilize the jig allowing the user to step away or use both hands to ensure more accuracy and ease of use. The hole extrusions ensure that the user drills and taps in the correct location and eliminates any uncertainty/guessing. So, anyone that picks up this jig and wants to drill/tap can do so with ease.