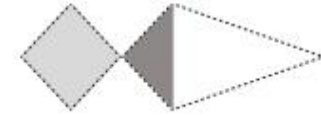


## Reflection question: Phase Three – Develop (Individual submission)

Reflecting on experiences is an important part of the learning journey. Just spend some time reflecting on your learning journey. Use text, drawing, and photos to supplement your responses.



**\*NOTE: This reflection is part of your project documentation and will be graded. Think about success and challenges in terms of (1) Process (solving design problems, working with team members, seeking feedback/guidance on project work); (2) Changes/Strategies (during your learning journey in encountering challenges)**

### 1. What worked well?

Despite being individual work and being graded individually, we were able to communicate well, and agree to work on a different type of solution to our problem statement. For example, we had someone working on a solution regarding solving physical awkwardness outside the lift landing, another working on a solution regarding solving physical awkwardness inside the lift, and another working on solving emotional awkwardness in the lift.

Our clear communication allowed us to have a good variety of solutions to work on as we transit to part 4 of our DTI project.

### 2. What did not go well?

Mainly due to time management again, as our DTI part 3 needed to be done by the end of our recess week 7, which collides with our revision for mid-terms, which is also after our recess week, on week 8. This made it tricky for us to juggle between managing time to do DTI part 3, our mid-terms revision, fifth row activities and UROP, and I had to burn midnight oil for various days despite it being the recess week. But despite all this, I still manage to put in decent amount of effort for DTI, and am happy with the results, which I believe is a definite improvement from the previous DTI part 1 individual work.



### 3. What actions/strategies are you going to take to address the challenges/difficulties encountered?

Proper time management is definitely crucial to juggle the many responsibilities. Also, more time will need to be invested into doing the work as this is the crunch period of our term 2 in general.

Commitment priorities must also be taken into consideration, for example, during this period, I should reduce my involvement in fifth rows and UROP in order to divert time to doing work and DTI, as they can always be continued after mid-terms and DTI part 3 submission.



### 4. How many times did you iterate in Develop Phase? List or draw some new discoveries.

I initially did a mindmap of as many initial ideas as I can, about 37 ideas initially. Then, I iterated the 'Select' part of the Develop Phase 5 times, where I down selected out of the 30+ initial ideas on the problem statement to 5 most creative, effective and interesting ideas.

Some interesting discoveries that I found that to tackle the problem statement of improving the process of taking the lift during crowded periods are that the process of taking the lift has a lot to do with movement and positioning, and that by optimising positioning in the lift, we can minimise movement and make the experience smoother.

Furthermore, many seemingly unrelated solutions that solves their specific issue of movement and positioning such as in a soccer match, traffic flow, and chess, can be implemented into my ideas to tackle the problem statement of taking the lift in a crowded area. An interesting idea I had was to use traffic lights to regulate movement in and out of the lift.



### 5. Were you able to apply any learnings from the Case Study (Google Glass) and Activity (Low-Fidelity prototyping) in your project? Please explain.

I find that the idea of creating many iterative low fidelity prototypes during the 'Develop phase' is definitely one of the most important learnings from these case studies in allowing rapid prototyping and innovation.

While It is a little trickier to use create physical prototypes of my initial ideas since they require electrical hardware and programming knowledge, I was still able to somewhat improvise by googling online videos of similar prototypes that I had in mind in order to see how it will work out, even if I don't have the physical prototype, which I felt have aided me in generating many creative and original ideas during my initial ideas brainstorming process in this DTI part 3.



### 6. Any other feedback? (Anything else you want to reflect about)

I felt that I was able to further enhance my skills in Aboide Illustrator and in the designing of my poster in this DTI part 3.

