6012 DESIGN THINKING ASSIGNMENT – WEEK 3

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Bottom-up (part a)

1. **Create a bug list. Pick a day and document the little things that irritate you throughout your normal activities. Jot down the items, no matter how small.**

   - Forgetting to carry keys before coming out
   - Having to keep my laptop on charge all the time
   - Fog forming on glasses throughout the day because of the mask
   - Wearing a mask/removing a mask
   - Having to type a big password to unlock the iPhone as face unlock doesn't work anymore because of the masks
   - Missing the shuttle just by few meters and having to walk 1.2 miles uphill or wait another 40 minutes for the next trip
   - Not being able to understand the actual intuition behind few statistical concepts
   - Misplaced things
   - Having to get up to fetch something just after lying down on bed

2. **Pick one item and generate several solutions that would solve this issue.**

   The issue I would like to pick is the **Fog forming on glasses throughout the day because of the mask**
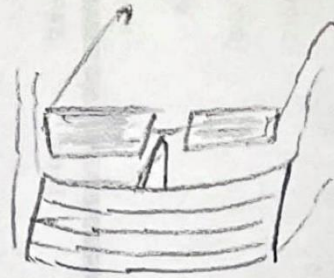
   SOLUTIONS:

   - Wash the lenses with soapy water
   - Seal the mask
   - Make sure the mask fits well
   - Adjust your glasses
   - Try de-fogging products
   - Breathe downward
   - Consider anti-fog lenses

3. **Sketch the solution and identify the problem and potential operation.**

   Potential Operations:

   - The latest developments in the field of prescription glasses are the anti-fog lenses
   - Though these anti-fog lenses won't fix the problem right-away, they are still an improvement.
   - They come with an anti-fog coating that prevents fog
   - Anti-fog sprays are also available in the market and all we must do is spray the liquid on the glasses and let it dry naturally
   - Contact lenses is another decent option which eliminates the problem of fog, but it has its own issues

contact
lenses

Anti-fog
spray

Anti-fog glasses.

Top-down (part b)

1. **Pick a common item around your house, office, or neighborhood**

   The common item I am choosing is my **Computer.**

2. **Add a feature, function, or service to the already existing product.**

   The feature I would like to add is a **Computer Dock**. With multiple devices attached, a docking station cuts down on the number of cables needed and makes for a cleaner desk, too.

3. **Sketch the solution and identify the potential problem this hypothetically solves.**

   One of the greatest advantages of a docking station is that it converts a laptop into a desktop. This means if you were thinking of purchasing a new desktop to manage your devices, buying a docking station can help you save a significant amount of money.

   Also, the laptops usually come with a limited number of device ports. Using a dock would ensure that we can use up to 10 devices altogether. You can also connect digital cameras, flat-panel monitors and many others.

   A dock also facilitates an easy transition between home and office. We can configure a dock in your office and link all the devices that you use like a monitor, printer, keyboard, or mouse. After coming to office, all you need to do is plug your laptop to the docking station.