



DESIGN PROCESS

Identify the Need

In this assignment, we were given a USB. The USB was without any cover, so our task was to make a cover for the USB. The cover could be anything, something you like and have interest on.

Research and Develop Solutions

To get some ideas on what USB's with different covers look like, I saw some images. I kept looking for designs that inspired me. These were some of the pictures I saw:



The cover that we were going to make for USB had to be done using Google Sketch Up. Unfortunately, I knew nothing about it. So in order to gain some knowledge about it and understand how to exactly use it, I watched some YouTube videos:

- <http://www.youtube.com/watch?v=M2xIYnXzOt8> In this video I learnt how an object is copied and moved, keeping in mind the view you have because it can affect how far or close my object moves.

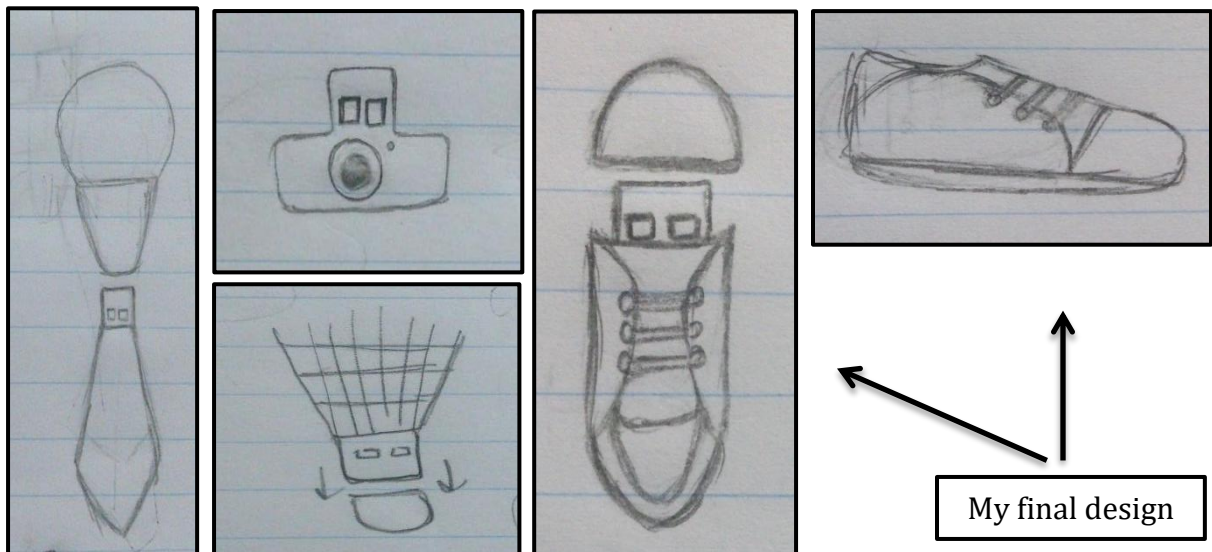
- <http://www.youtube.com/watch?v=mtH9Sm7YgHg> In this video I learnt about getting two different objects as one and forming another object with a different shape.
- <http://www.youtube.com/watch?v=4Byh10oZTzw> In this video I learnt to create faces in an object. Sometimes it happens that you don't get the face where you want it to be. You can use the line tool for making faces in straight objects, while use the arc tool for curved tools.
- <http://www.youtube.com/watch?v=67WBqL7wHxY> In this video I learnt all about curved lines and shaped. Turning many curved lines into a shape. This video was really helpful for my design as the shape of shoes is curved. So through this video, I got an idea that I could make curved lines and join them together through the **sandbox tool** (Ms. Mark's idea, thank you).
- http://www.youtube.com/watch?v=gsfH_cyXa1o In this video all the above techniques were combined for creating a house. I was noticing and keeping track of which tools the person was using, for what they wanted.

Target Audience

So my target audience I would expect for everyone to buy my USB cas as shoes are wore by everyone from a kid to an older adult. But maybe, seeing the deisgn of my shoe, the ones that would be interested, will be the kids and teenagers. This is because when a teenager turns into an adult, they prefer wearing more formal shoes that casual ones.

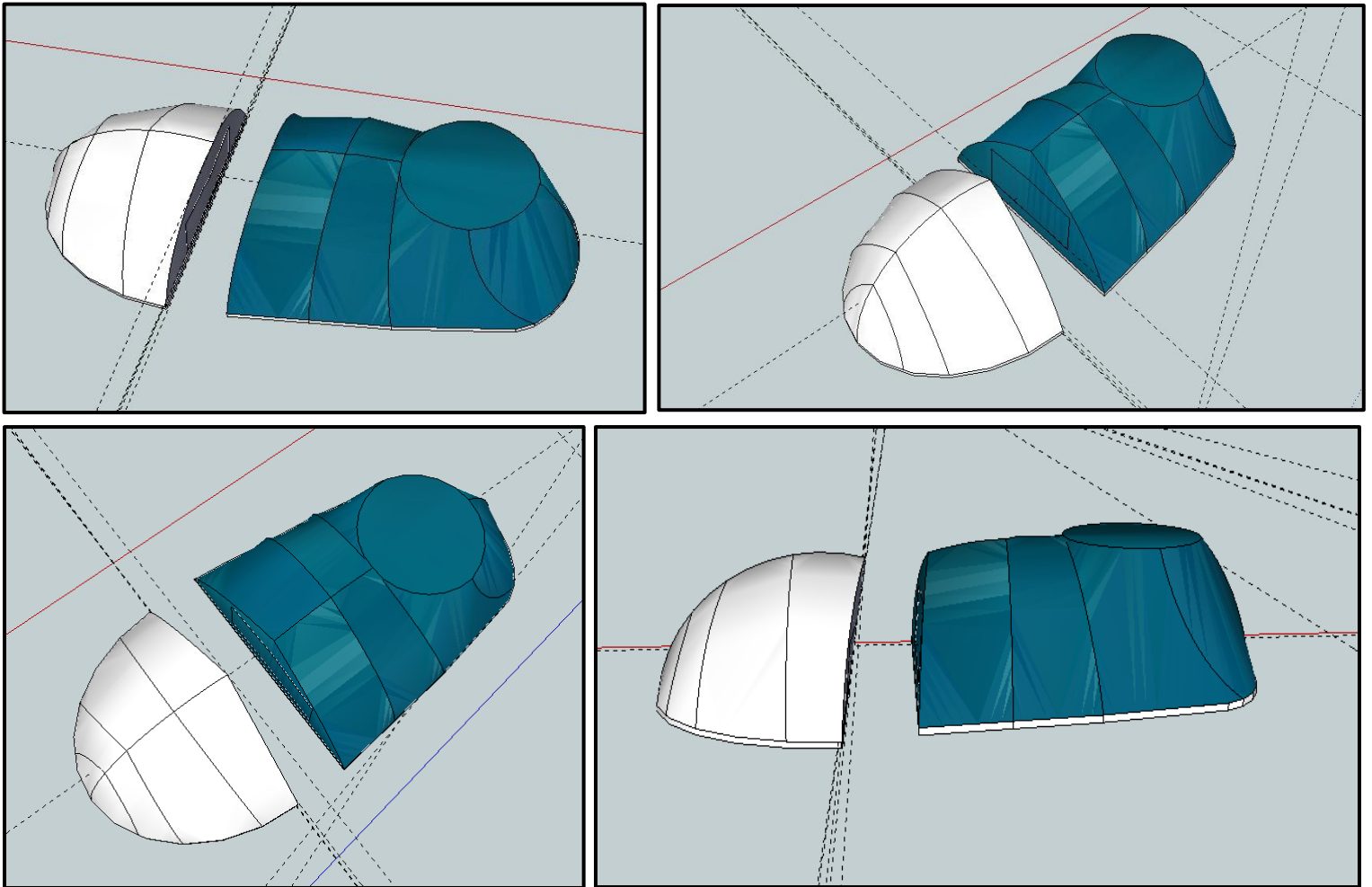
Evaluate Solutions and Select the Best One

I had gone through many different interesting shapes for the USB. I used them as an inspiration to sketch different designs. At the end, the design that I liked the most was the shoe one. Then, I showed it to Ms. Mark to get it approved from her. After I had it approved from her, I moved onto the next step.



Sketches/Prototypes/Models

Now I used the research I had done for Google Sketch Up. I saw the YouTube videos and followed the directions to make my USB model on Google Sketch Up. I made a shoe and when I was done, this is how it looked:



Test Evaluate Communicate

After I was done with my design on Google sketch up, I conferenced with Ms. Mark about my design. I got feedback from her and I corrected the things she said could be better. I even got feedback from my family and friends, corrected what they thought wasn't right.

Redesign

If I could make my USB design cover all over again, the first thing I would do is take the design to a next level, make it harder. Second thing I would do is shape the shoe in a better shape because it's like pointed at the top, and a shoe is not supposed be a pointed, but a nice and curved shape.

Bibliography

"SketchUp: Moving and copying like a champ, Part I." *YouTube*. YouTube, 20 June 2007. Web. 14 Nov. 2013. <<http://www.youtube.com/watch?v=M2xlYnXzOt8>>.

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"SketchUp won't create a face where I want it to." *YouTube*. YouTube, 30 June 2007. Web. 14 Nov. 2013. <<http://www.youtube.com/watch?v=4Byh10oZTzw>>.

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"Getting started with Google SketchUp." *YouTube*. YouTube, 19 Apr. 2009. Web. 14 Nov. 2013. <http://www.youtube.com/watch?v=gsfH_cyXa1o>.