

Design Project One

In this project my group was given the job of designing a coffee mug that could be used by a disabled person who only has one finger. While completing this project we learned many things:

- We learned more in depth about the design process, and how to use team work to efficiently and productively carry out the process
- We learned about, and got experience with the concept generation table and the AHP table
- And we were able to get experience designing something in cad that came from our own imagination with our own dimensions, instead of those provided by an assignment

Below is an example of one of our AHP tables that we used to determine which the most important characteristic for our coffee mug were.

	Portable	Durable	User friendly	Flexible	One finger use	Total	Weight
Portable	1	5	0.33	0.33	0.11	6.77	0.146
Durable	0.2	1	0.33	5	0.33	6.86	0.148
User Friendly	3	3	1	3	1	11	0.237
Flexible	3	0.2	0.33	1	0.33	4.86	0.105
One finger use	9	3	1	3	1	17	0.366
Total						46.49	

Below you can see the final design that our group came up with and designed on CAD. The idea is that the disabled person will be able to place his or her wrists through the handles and hook their one finger around the third smaller handle for support.

