











# Design Project I

The first design project our engineering design class we were assigned was a coffee mug for individuals with only one finger. This came out to be more difficult than we originally thought. It was tough to imagine trying to hold a mug with just one finger since none of us in the group had any sort of experience with a disability. In order to find a solution, we went through an extensive design process. One tool we used is a classification tree, where we included different designs for each individual part of the mug and determined which combination of the parts would be most effective based on the customer needs. Our group in the end found that a design with a wide base and large handle would be most effective.

Means	Handle	Base	Body	Insulation
1	Fully Enclosed 	Wide Base 	Standard Body 	Plastic
2	Hooked 	Rubber Base 	Rubber Coating 	Ceramic
3	Double 	Standard Base 	Hand Fitted 	stainless steel
4	Top view  Thick handle			

