

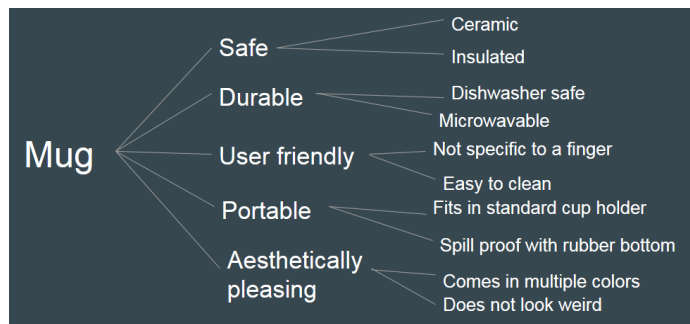
## Design Project 1

I collaborated with 3 of my classmates to create a one-fingered mug that met the market for a one-fingered disabled person. Our assignment was to use the design process to create the best possible mug for our customer using techniques such as concept classification trees, the analytical hierarchy process, and SolidWorks. We then pitched our final design to our class.

Below is some details from my team's design of a mug for a one-fingered person.

**Mission Statement:** To design a practical and portable hot beverage mug for a person with one or more fingers to be produced easily and cheaply and sold on the international market, durable enough to fit a variety of lifestyles.

**Classification Tree:** These are design process criteria from my team for designing the mug.



**Final SolidWorks Design:** We decided to go with a design that basically anyone could use. The consumer would simply slip their hand or palm through the hand slot. For a one-fingered person the mug would mostly rely on the palm to be held.

