

# Human-Machine Interaction

## Assignment 1

### Good and Bad Design

André Correia, 64783

# Bad Design Example

## Gaggenau CI Induction Cooktops

- Cooktops (or hobs) are auxiliary cooking devices that allow the appliance of heat to the base of pans and pots alike



# Why is it badly designed?

- The metallic knob is used to select the cooking zone and adjust the heat setting
- Essentially “one handle does all”
- It’s also completely separated from the hob... What if it is lost? Time for a new one at a hefty price



# Why was it designed this way?

- Likely considered an innovative design idea
- Admittedly sleek and pleasant to look at
- The removable knob makes it easier to clean the hob

**So, how may it be improved?**

- **Suggestion: Purposely attach the metallic knob to the hob, being detachable for cleaning**



# Good Design Example

## Mighty Mug Cups

- Cups are used to hold and contain liquids
- Drinking, storage and transport



# Why are they well designed?

- **Better user experience - Prevent spills and accidents with traditional cups**
- **User-friendly - The act of drinking remains natural**
- **Accessibility - Individuals with disabilities and the elderly may be able to use these cups without assistance**
- **Innovative technology like gyroscopes and advanced stabilization mechanisms make it look like magic**



<https://www.youtube.com/watch?v=8CTxbQ6cdUw>

Thank you