

## Today's In class Assignment

- Look at your individual project and assess the match between the task demands and your user:
    - Size?
    - Force?
    - Cognitive Demands?
  - What could you change to make your object more ergonomic or user friendly?
- Size: width of roller needs to be wide enough for a variety of people's hands to make sufficient contact (80%?) with the roller, width and length of device needs to be able to fit comfortably and flexibly on a variety of people's thighs
  - Force: The device demands very little force from the user. The spring-loaded feature (to replenish the chalk on the roller itself) requires very little actuating force, especially for an athletic target audience like gym-goers and rock climbers.
  - Cognitive demands: Device demands a small amount of cognition, as there are only 2 steps to using it: push down, and roll.
  - How to make more user friendly
    - Change shape to more comfortably allow hand to pass over the roller
      - i.e. curve top surface slightly
    - Aesthetics
      - add eyecatching designs to surface?
      - finish, colour choice/options?
    - Design for worst case: minimize actuating force of spring mechanism
    - optimize position of applicator on the thigh: allow for adjustment of straps etc