



USING FABRIC TO LIFT A PATIENT OUT OF A WHEELCHAIR IS THE CONCEPT THAT I CARRIED FORWARD TO FUNCTIONAL MODELS.



ideation

Incorporating the knowledge gained from research, interviews, and observations, I began the ideation stage with sketching. I worked out possible designs through thumbnails and secondary sketches. After a class discussion, I chose the strongest ideas. The final concept, which I deemed the PedLift,

is a transfer device made of fabric that attaches to the wheelchair and includes a pedal to lift patients. This allows the lower body to lift the patient instead of the upper body, reducing back strain. With this one concept, I came up with 3 different working models which allowed me to experience how the PedLift would function.