

My top 5 risks that I am concerned with are as follows:

1. The hydraulic system is not being able to lift/function correctly. (Technical)
2. The device does not satisfy the requirement for maximum weight rating. (Technical)
3. The device is not able to help aid in the transfer of the individual from their chair to the seat. (Technical/Safety)
4. The material used to build the device is not chemically or bio resistant. (Safety)
5. The budget is not large enough to buy higher quality material to build the prototype. (Resource)

Stakeholders

Sphere of Influence:

1. Client- can give us requirements and ideas which can influence how we need to design the device and can give us a set of goals.
2. ADA- influences the requirements we need to abide by and consider when designing the device.
3. RIT- influences the amount of money we are able to put towards the project and can determine if we eventually have to switch to fully remote learning.

Sphere of Interest:

1. Wheelchair users- the device can aid in the transfer between the wheelchair and the toilet seat and can help improve the efficiency at which they can use the restroom and reduce the amount of time they spend in there.
2. Hospitals- the device could aid those in wheelchairs (permanently or temporarily, during a recovery time) use the restroom without the assistance of a nurse.
3. Campus and Wider Culture - make public restrooms more accessible to those with challenges and give them more independence, since they can use public restrooms without worry or difficulties.