1. What do you want your project to do?

Aid people (especially women) in self-catheterizing with increased visibility and holding the legs apart to reduce effort.

2. Is the project for you or someone else?

Someone else

3. If someone else, have you talked to them about design specs?

Yes- Atrium nurses and doctors are contributing to what it needs to incorporate.

4. Are you considering a group project? What is your part

No, this entire project is on my own, including research, meetings, and prototypes.

5. Will your project be inside or outside?

Inside but transportable so can be either

6. Will your project be portable?

yes

7. Will your project connect to the Internet?

no

8. Will your project use Bluetooth?

no

9. Does your project use a vinyl cutter?

no

10. Does your project use a laser cutter?

no

11. Does your project use a 3D printer?

yes

12. Does your project use a large CNC machine (Shopbot)?

no

13. Does your project have intelligence (Arduino, Raspberry Pi, computer)?

I have not decided yet whether the LED's will be through a seeed or simply battery powered. The engineer in me would most definitely prefer a seeed, but at the same time it might be much more expensive than basic LED's with a battery pack.

14. What are your project inputs?

Button

15. What are your project outputs?

LED's

16. How does your project differ from the project that inspired you?

I did not use a specific inspiration. Instead, I saw a hole in the market where mirrors are both extremely expensive and not very helpful for those who need to use them for visibility to self catheterize. My idea of an arch combined with a strap and mirror was my idea, but the specialist on the Zoom advised another arch in order to hold the legs open.

17. When was the inspirational project built?

NA

18. Do you have a tutorial or instructions for your project?

No

19. How current is the tutorial?

NA

20. What is the maximum that you want to spend?

I want it to cost less then $25 but this may not be unattainable due to mirror, LEDs, strap, and PLA

21. What are the dimensions of your project?

They are customizable depending on the patient, but the standard width of the whole device should be around a foot.

What materials will you use?

PLA for the body of the device

22. Have you completed the spreadsheet?

No, I am waiting for confirmation from the hospital on all of the 3D printing designs before I order straps and mirrors and LEDs

23. Are the parts for your project still available?

NA

24. Are the tools you need for the project found in the FabLab?

Yes

25. How will you conceal the electronics?

I am thinking about creating a hole in the plank where the mirror and LEDs sit and threading through the wires. I will also possibly extrude cut a hole for the battery pack somewhere on the device. However, they need to be visible so that the user can change out the batteries when they die.