internet of things

HARDWARE ASSIGNMENT 4

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1) What is your product?

- The Multi-use Mirror

2) What are all the things it can do? What additional qualities or functions does it have?

- The mirror is also a screen. First, it detects your face and checks for different problem areas or areas of improvement. Then, it gives you different outfit, make up and skin care suggestions you can do.

- It gives you access to an internet browser to show you links to supplement it’s suggestions.

- It also has a light around it, and it can automatically detect your lighting needs (level of the light and the color).

- It also has a built-in camera in it so you can take pictures and videos with it. It has 200gb storage, as well.

- It also has Bluetooth so you can sync your phone or USB to it to get the pictures and videos.

3) Combine all its qualities into a single value proposition

- Everyone’s new getting ready best friend! The multi-use mirror will make getting ready more, fun efficient and achieve the best results.

4) Quantify your value proposition to determine what sensor and actuators your hardware defined product will require

- Infrared camera

- Infrared sensors, proximity sensors

- Mirror/Monitor

- Bluetooth

- LED color changing lights

5) What other external systems or products could be linked to create more value with your product?

- iPhone or smartphone device:

You can connect using Bluetooth to get access to the photos/videos taken from the mirror. You can also sync your apps with it. You can get notifications on the mirror from the messages, calls, or the apps. You can also set a timer on your phone if your time is budgeted.

- external optical drive

You can plug it in and watch movies, etc. using the small screen feature.

- PIR sensor

For power saving reasons, you can add this so that when there is no motion detected, the mirror will be on standby and eventually power down.

- Barcode/QR Scanner

You can you this to scan a product you have to get the reviews without having to type it down.