1. Design Darth to connect directly with server
   1. Darth would have to have a screen and input to provide feedback and connect to a network.
   2. Con-would require user to scroll through alphabet using only a few buttons to input info.
   3. Could use a touch screen. cost? maintenance?
      1. Might be better to use an LCD display (cheaper, low-maintenance) coupled with thumb/scroll wheel
   4. Appearance of Darth might be compromised with screen - would have to design new chest plate. 3d print?
2. Design Darth to connect to both the server and a mobile app
   1. MCU would have to have WiFi and Bluetooth connectivity
   2. LED’s to show when Darth is connected to network (troubleshooting)
   3. Mobile app could be used to input information to Darth and connect to network
      1. Mobile app could also be used to let user know they’re connected (in-app) prior to sending information
   4. Pro - app could be used to play content directly to Darth, avoiding the hassle of uploading from user screen and then downloading from admin screen for quick demos
   5. Con - server has to function with both Darth and app
3. Design Darth to connect to connect to the server after setting up connectivity through ad-hoc
   1. Like some products already out, initial setup would require a device to connect directly to the MCU through WiFi (ad-hoc)
   2. After setup the MCU would connect directly to the network, control could then be done through the network (much like changing the settings on a router)

Server

* Admin screen to select which files go to Darth
  + Login screen or unique address with password to make changes
* (Star) file for multiple Darth’s vs. Each Darth having its own admin screen?
* Mobile app to upload files to server
  + Can anyone upload vs. login?
  + Require name or other information upon upload?
  + Filter out empty messages (spam) manually? Code?

Power

* Use MCU with already provided 3xAA slots
* Will we have to add more slots?

Speaker and Pitch

* Needs a louder speaker
* Size profile? Power requirement?
* Can speaker be relocated to another part of Darth such as the face? \*Ask Pierce\*
* Pitch control could be either digital or analog
  + Analog - pot on chest plate
  + Digital - Buttons to select - affect appearance?