**Ideas for Team project**

**Vince Nowell**

My criteria: something with an educational component, voice controlled tools

**Ideas not yet researched**

Something involving gardening

Song identification tool

**Ideas that would be too complex or expensive**

smart hydroponic app to regulate plants SHARP - using Arduino - too complex (hardware is too expensive)

<https://www.oswego.edu/news/story/engineering-students-creating-smart-garden-water-plants-precision>

**SongScriber**

SongScriber is an app that can listen to music and transcribe it to sheet music, or even guitar tab. Open the app, tap the Listen button, and the app will create a PDF of sheet music or guitar tab for whatever song or tune is being played, which can then be downloaded, shared or printed out for use at a piano or when playing guitar.

The initial version would just be a web site which would listen to simple tunes and convert them to sheet music, and then features such as guitar tab and more complex arrangements of music could be added over time.

**FIndMyFavs**

Find My Favs is a voice controlled finder web site/app that will find movies, TV shows, songs or books online, and show you where to rent or buy them for the cheapest price online. You open the app, click the find button and then speak a find command:

"Find movie Pulp Fiction"

"Find TV show New Girl"

"Find song Have Mercy"

"Find book Grapes of Wrath"

The app will then search the internet for a streaming service for movies, TV shows or songs, and an online retailer for a digital version of the book. It will present the results (in order of buy/rent and price for the product) on the screen such that one tap or click will take you to the service or retailers web site, where your favorite can be rented or purchased and then streamed or downloaded to your device.

The app could also recommend other similar movies, TV shows, etc, if the one you want is

The application could be built up in stages; initially, it would be a web application that would present a text box to find a favorite

**Sam Torris**

An app to help you learn a second language, using speech-to-text and text-to-speech (something like CleverBot - online bot chat\_

A better agile board app

**Kaitlin Haley**

Comics - inventory and value of comics, wishlists, links to retailers, upcoming conventions. Could use Discord API, chat or selling, Instagram API

App for school advisors