Speech to Text Assembly AI

Dichotics Inc.

**speechToText.js: app/assets/javascripts/speechToText.js**

https://www.assemblyai.com/docs/getting-started/transcribe-streaming-audio-from-a-microphone/typescript

Dependencies:

* Install node.js
* Install yarn?
* npm install assemblyai
* gem install websocket-client-simple
* \*\*\*this may not be full list\*\*\*

The Assembly AI API Key is still hardcoded; needs to be hidden.

Uses the standard transcriber sample rate.

**app/views/dwt\_tests/new\_dwt\_list1.html.erb**

This is currently only in the one test.

Line 61-69:

* Audio
* Start/stop buttons

Line 621-696:

* Script for recording audio and sending to the server(speechToText.js) for transcription.
* Function to select checkbox as transcribed text becomes available.
* Currently only selects one word or the other, not both.

To test:

1. Navigate to new\_dwt\_list1 in browser.
2. In the javascripts folder
   1. Run `node speechToText.js` to activate API.
   2. Make sure to terminate when finished
   3. As of now this has to be ran in the console independently from the client side
   4. There are comments in the file with rough explanation for each function.
3. Reload browser
4. Select play audio and start recording buttons.
5. Test.
6. When finished stop recording and stop the running speechToText.js file