

Team 10

Connor Pawar

Devin Suttles

Ian Yake

Kyle Lindteigen

Sherman Choi

Team Name:

WellSpokn

Project Synopsis:

A web application that allows users to record speeches to locate and correct issues with grammar, filler words, repetition, and other common issues.

Project Description

For many, finding an audience to practice one's speech on is difficult and, in the event that an audience is found, can be daunting. In contrast, practicing speeches in solitude is not as constructive as it does not allow for feedback on the speech. This issue has been solved in writing with the advent of software-based writing services for spell-checking and grammar, but there are no analogous services for the improvement of speeches. WellSpokn aims to solve this issue, as it can act as an audience to a speaker, giving an analysis of one's speech in order to create a more improved and finished product. For example, if a speech is given too quickly, the speaker will be notified that they may be speaking at too high of a pace.

There is no limit to the number of potential users of WellSpokn as almost every single profession requires the ability to speak effectively to coworkers. So, students, politicians, managers, and any other individual that needs to make a speech would equally benefit from the ability to practice and learn from their mistakes in a constructive manner.

The final product will be a web application that can be used on any device with a microphone; this allows WellSpokn to be easily accessible through both mobile devices and high-end desktop machines.

Project Milestones

- Semester 1
 - a. Establish Platform, Languages, and Tools
 - Finish by October 11th, 2019
 - b. Prototype the design of the website and backend data workflow
 - Finish by October 30th, 2019
 - c. Draft UML diagrams
 - Finish by November 11th, 2019

- d. Create an Alpha Build
 - Finish by December 13th, 2019
- Semester 2
 - a. Create test cases (frontend and backend)
 - Finish by February 3th, 2020
 - b. Add additional features (speech metrics, user accounts, user history, etc) and generate beta build
 - Finish by April 13th, 2020
 - c. Publish application and client-side testing
 - Finish by May 8th, 2020

Project Budget

Required Item	Estimated Cost	When Required
Domain Name	\$12.00	January-1-2020
Google Language Recognition Services	\$60.00	As soon as possible
Google Natural Language Services	\$20.00	November-15-2019
DigitalOcean Server Hosting Services	\$60.00	November-15-2019
Total	\$152.00	N/A

Work Plan

Sherman Choi - Backend Developer / API Designer

Ian Yake - Backend Developer / Tester / Security Engineer

Kyle Lindteigen - Backend Developer / Test Engineer

Devin Suttles - Frontend Developer / Graphics Designer / Sales Engineer

Connor Pawar - Frontend Developer / UI & UX Designer