

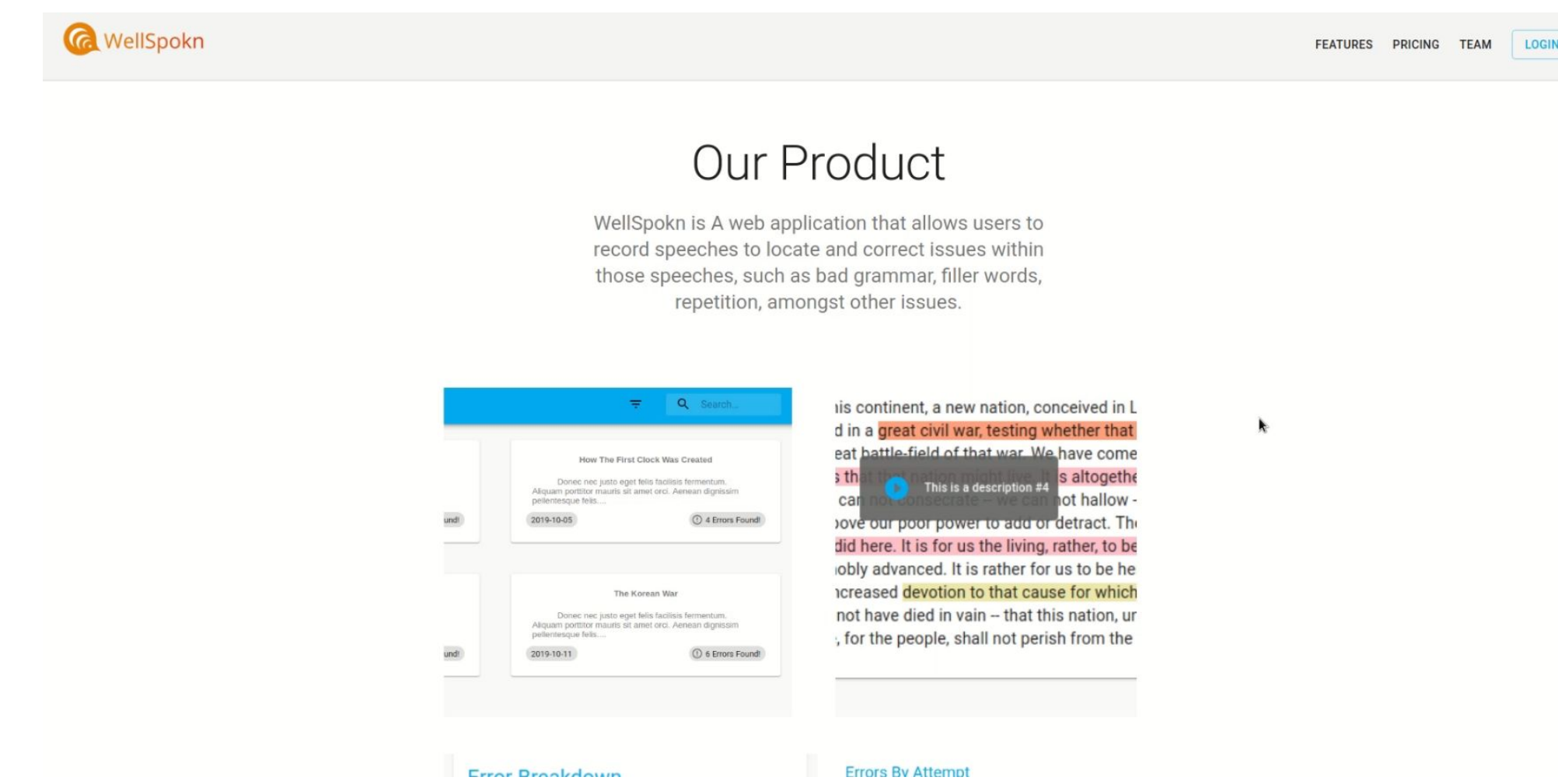


WellSpokn (Team No. 10)

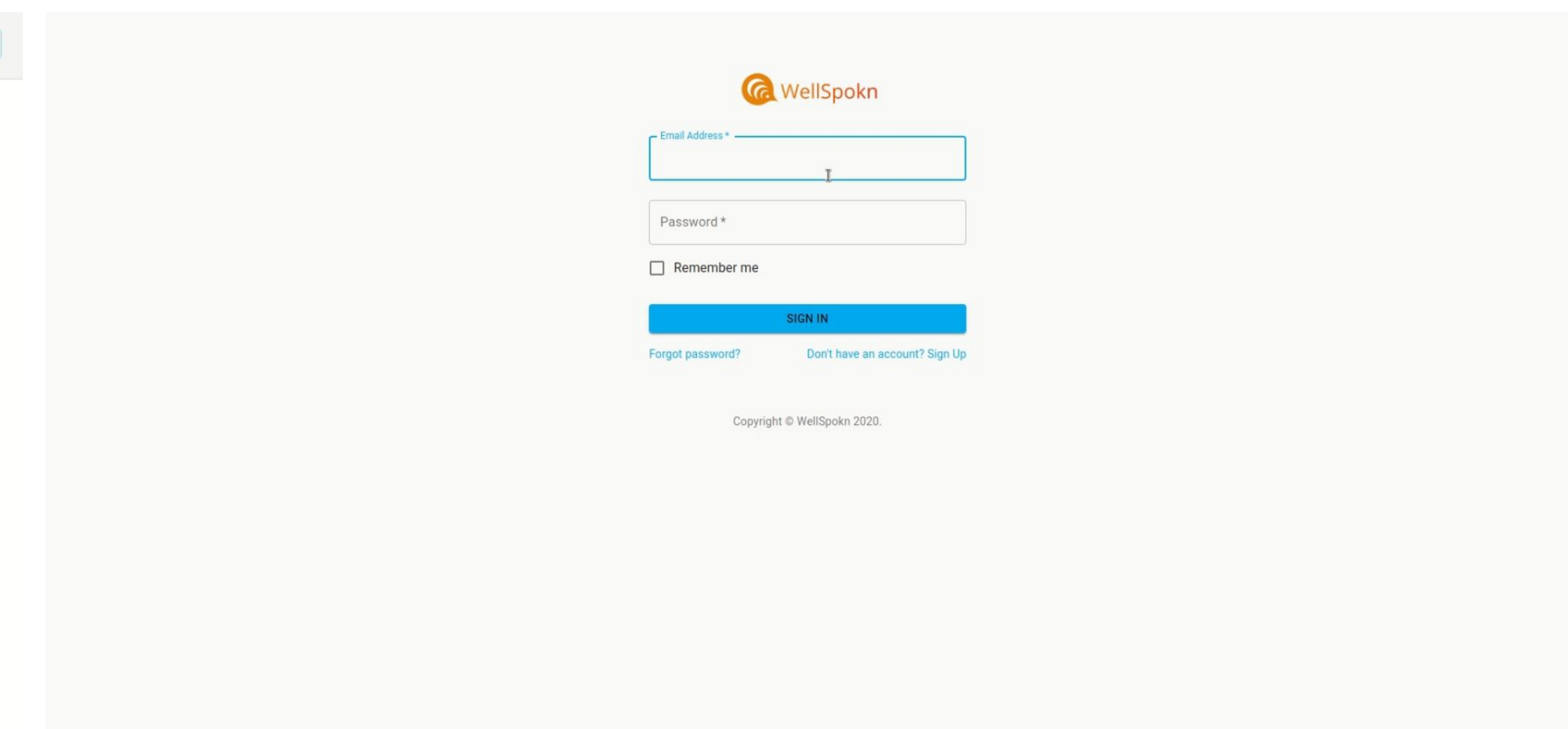
Connor Pawar (EECS), Devin Suttles (EECS), Ian Yake (EECS), Kyle Lindteigen (EECS), Sherman Choi (EECS)

Description & Purpose

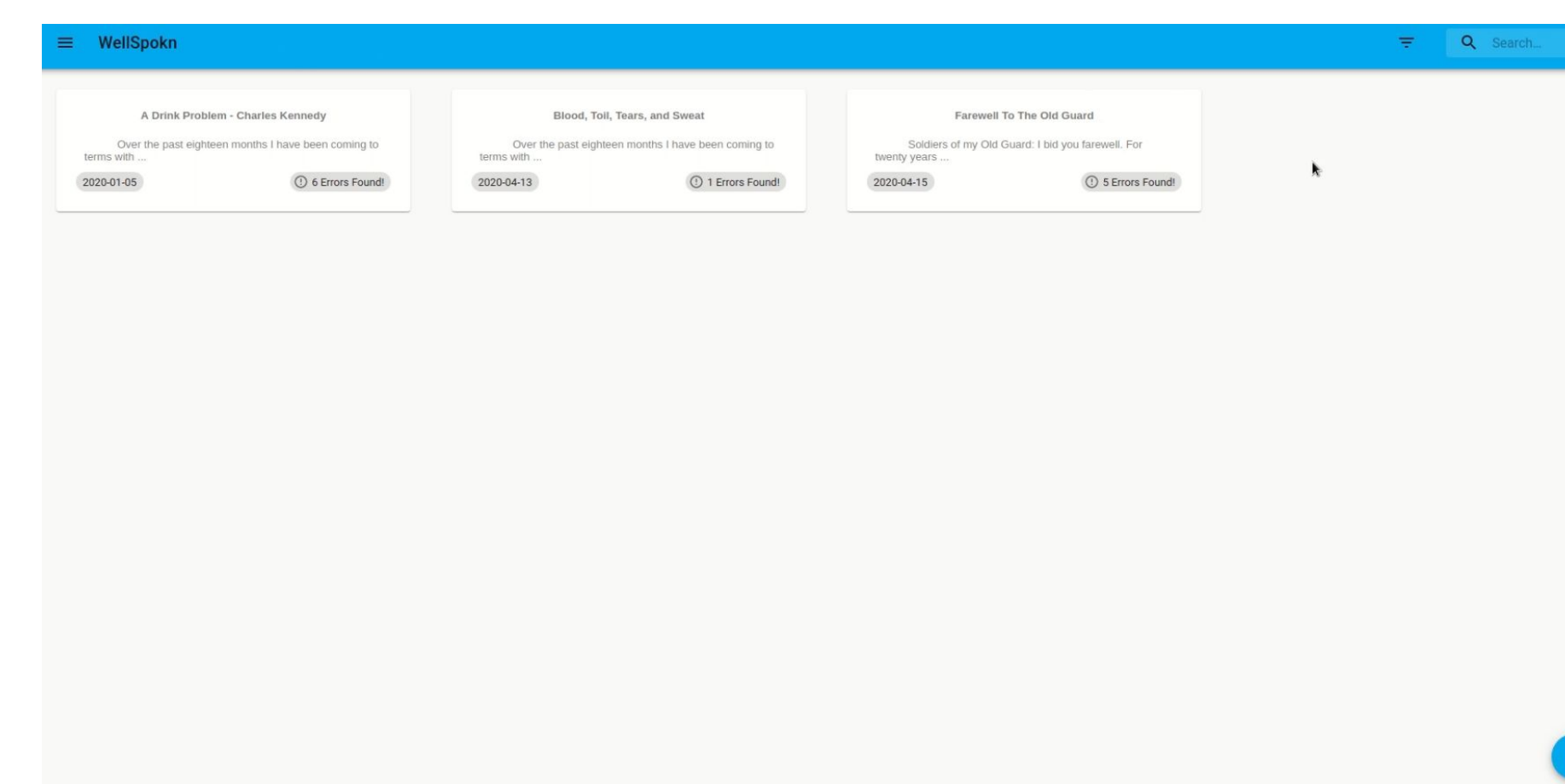
- On campus or in the workplace, public speaking is prevalent everywhere; yet it's one of the most difficult and intimidating things one can do. Through efficient practice, giving speeches could become significantly easier.
- Many writing services exist for spelling and grammar checking but there are no analogous services for speech improvement. WellSpokn fills in this gap.
- WellSpokn is a web app that takes in the audio of one's speech, processes it through various microservices to determine speech errors, and then sends constructive feedback to the user.



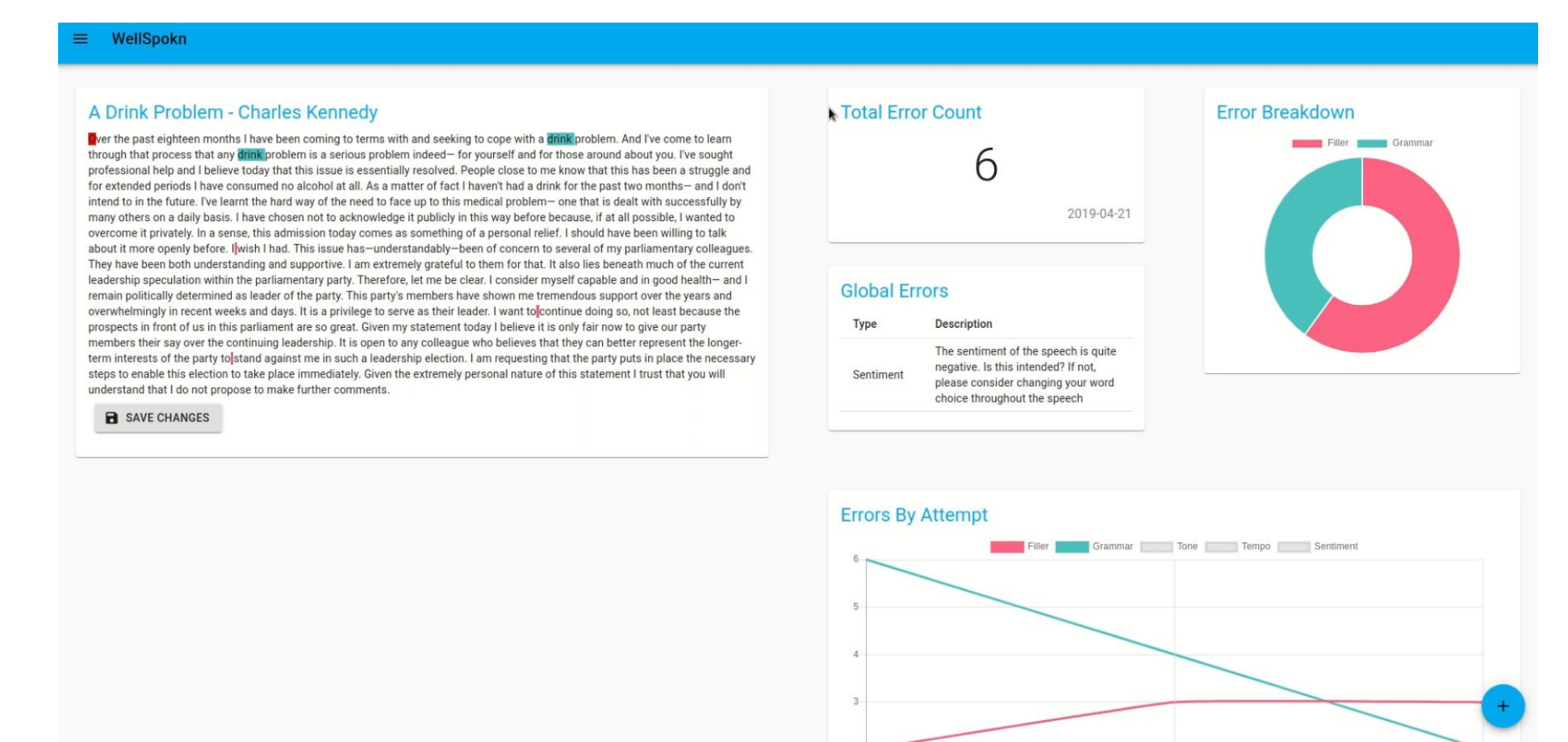
Landing Page



Login Page



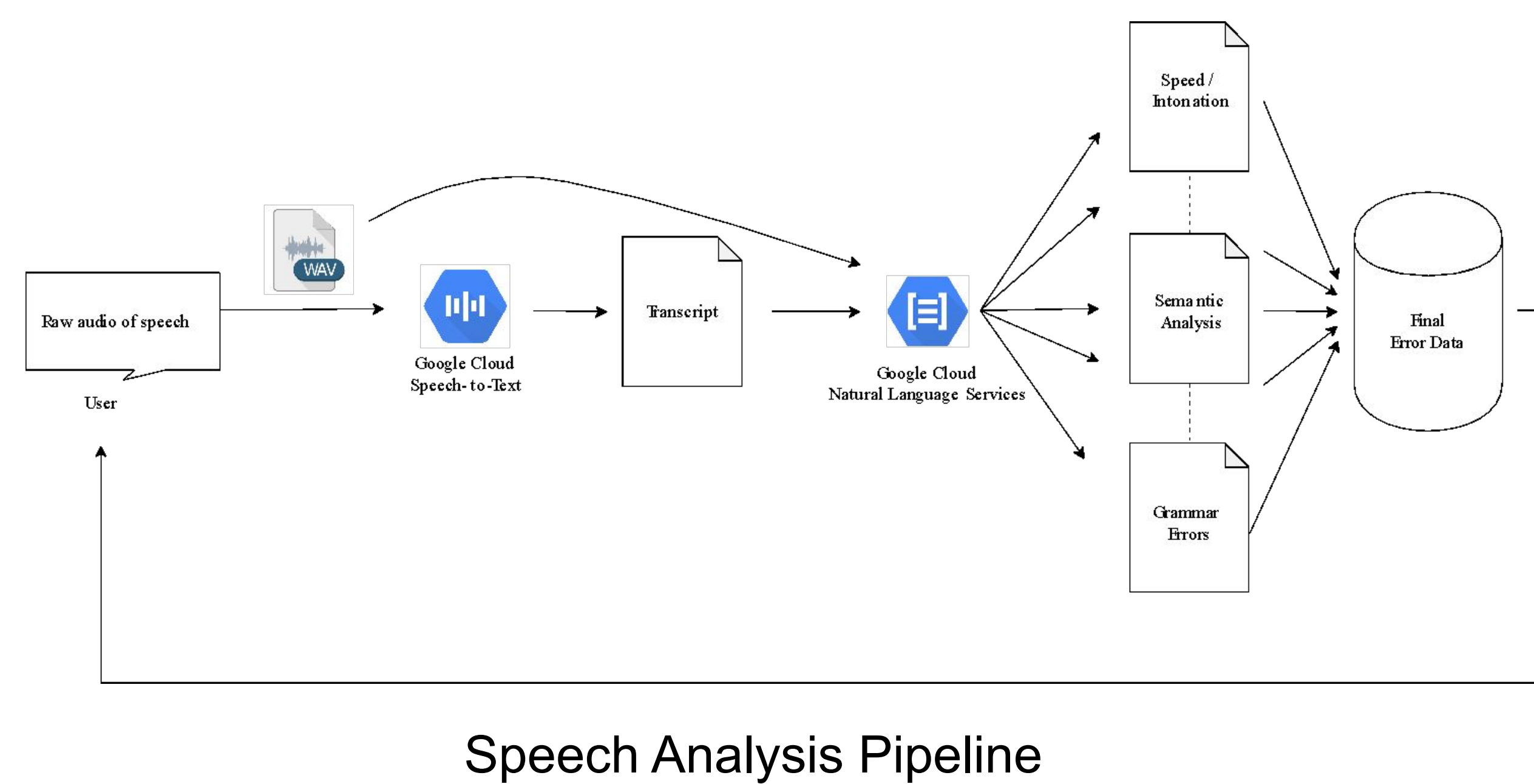
Speech Preview Page



Specific Speech Page

Design

- The figure shows WellSpokn's speech analysis Data Pipeline.
- When a user uploads a speech, the raw audio is sent to Google's Speech-to-Text API to generate a transcript.
- With the transcript and audio file, the speech can be analyzed.
- The pipeline is modular and easily extensible. This means components can be added or replaced with ease to both modify and extend analysis.



Speech Analysis Pipeline

Ethical & Intellectual Property Issues

- Outsourcing natural language processing to various microservices compromises the privacy of people's speeches.
- There is a legal grey-area about the ownership of a speech if it's uploaded to our servers — whether it then belongs to the user or to us.