

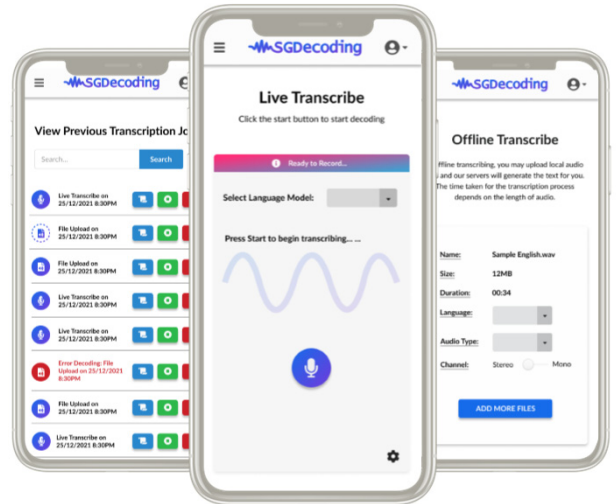
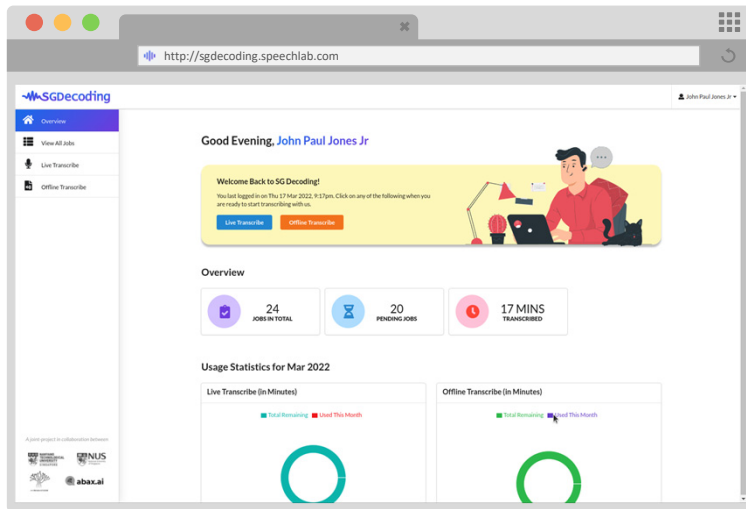


SG Decoding

Web-based speech recognition platform

Student: Tan Hui Zhan

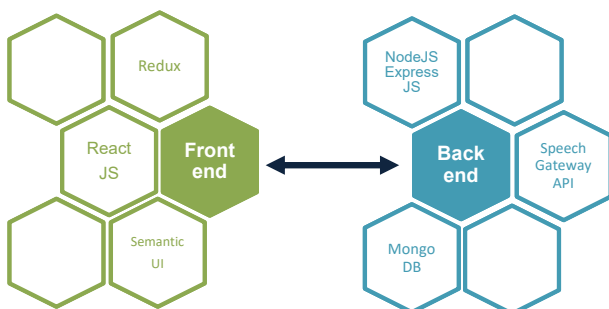
Supervisor: Prof. Chng Eng Siong



Project Objectives:

In this final year project, we aimed to design and build a speech recognition web portal, titled SG Decoding, which allows users to perform offline and live transcription and manage their past transcription jobs. The project also involved designing and developing an intermediary back-end service to track usage statistics and proxies with NTU Speech Lab's Speech Gateway API. Furthermore, unit, integration and end-to-end tests were implemented so code changes could be tested, and new releases could be delivered reliably. Finally, the system was documented sufficiently, so future maintainers may take over the project with ease.

Implementation



Core Features

- Live Transcribe
- Offline Transcribe
- Manage Past Transcription Jobs
- Playback Past Transcription Jobs
- Account Management
- Track Usage Statistics