From Students…
…to Professionals

Beta Presentation
Mobile App for Remote Recording

The Capstone Experience
Team Michigan State University Linguistics

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Project Overview

• Redeveloping the current Flutter app into Kotlin for Android and Swift for iOS
• Modular code to accommodate multiple research projects for different needs
• Create non-programmer friendly documentation for easy customization
System Architecture

Backend

Google Cloud Speech API
Returns JSON of transcript by sentence
Stored in Server

MI Diaries Upload
Audio converted to .WAV and stored

Histroy Calculated and Displayed

Audio Recording
File Upload

Frontend

Node.js
FeathersJS

Docker
Profile Management
Recording Screen
Recording History
Recording Statistics
What’s left to do?

• Submit new UI mockups to client brand team
• Once approved make necessary visual updates to the UI
• Complete external documentation
• Ensure visual consistency between app versions
• Etc... (possible bugfixes for iOS)
Questions?