

Collaborative Notes

A note-taking and sharing app for students and coworkers
Including a simple user interface and focusing on note-taking

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Motivation

- Support collaboration in note taking
- Create accessible solution for notes
- Facilitate remote learning and remote work
 - Stay at home
 - 45% of U.S. employees working from home [1]
 - 25% working from home exclusively
 - Reduces workspace costs [2]
 - No commute time
 - Gives students and workers flexibility
 - Allows people to live where they want [3]

Solution

- Web application for sharing notes
- Desktop and mobile browser
- AI speech-to-text

Collaboration

- Collaborative note taking
- Users can share link to notepad
- Real-time update of collaborative notepad
- Supports collaboration for students taking notes and employees working remotely
- Like Google Workspace collaboration [4]

Speech-to-text

- Users can speak into microphone and dictate text
- From context menus or speech-to-text button
- Dictation available in Microsoft OneNote [5]
- Speech-to-text for other note-taking apps only from third-party plugins [6]

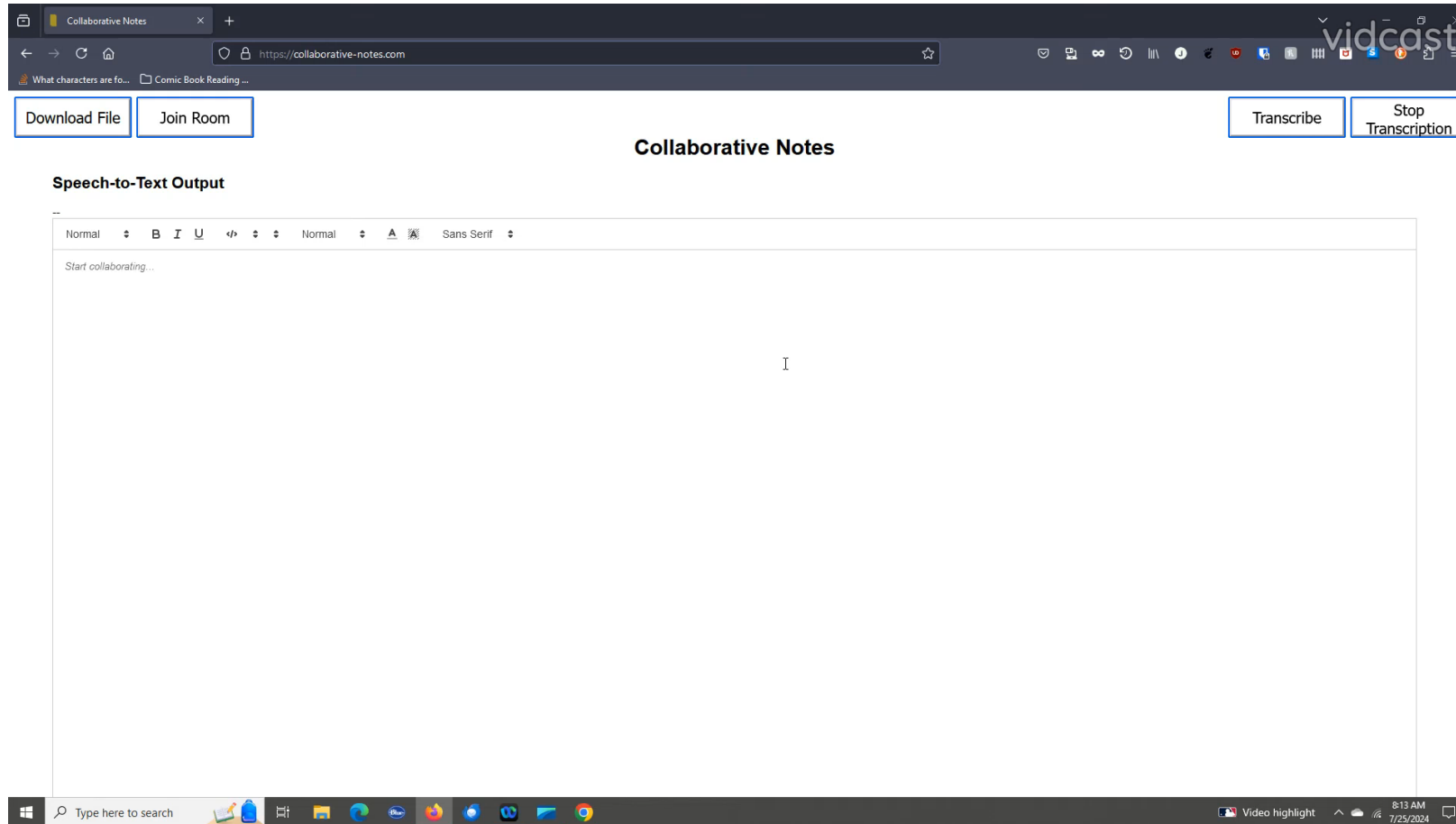
AI Text Summary

- Using AI, creates a summary of selected text
 - From context menus or summarize button
 - Writes summary text below users' text with summary header
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- Microsoft OneNote with Windows 11 Copilot has this feature [7]
 - Google Workspace for Business includes Gemini AI features including summarization [8] – [10]
 - Editpad has AI summarizer [11]
 - Other note-taking apps require third-party plugins. Popularity of these depends on the app [12] – [14]

Current Status of Prototype

- Collaboration Implemented
 - Every user in same room on main page, no separate rooms
- Speech-to-Text Implemented
 - Output above editor, not connected to collaborative editor
- AI Text Summary Not Implemented

Demo Video



Business Model

- Subscription-based service
 - Payment of monthly fee
 - Yearly subscription also available
 - Convenient for customer
 - Encourages improvement
 - Brand loyalty [19]

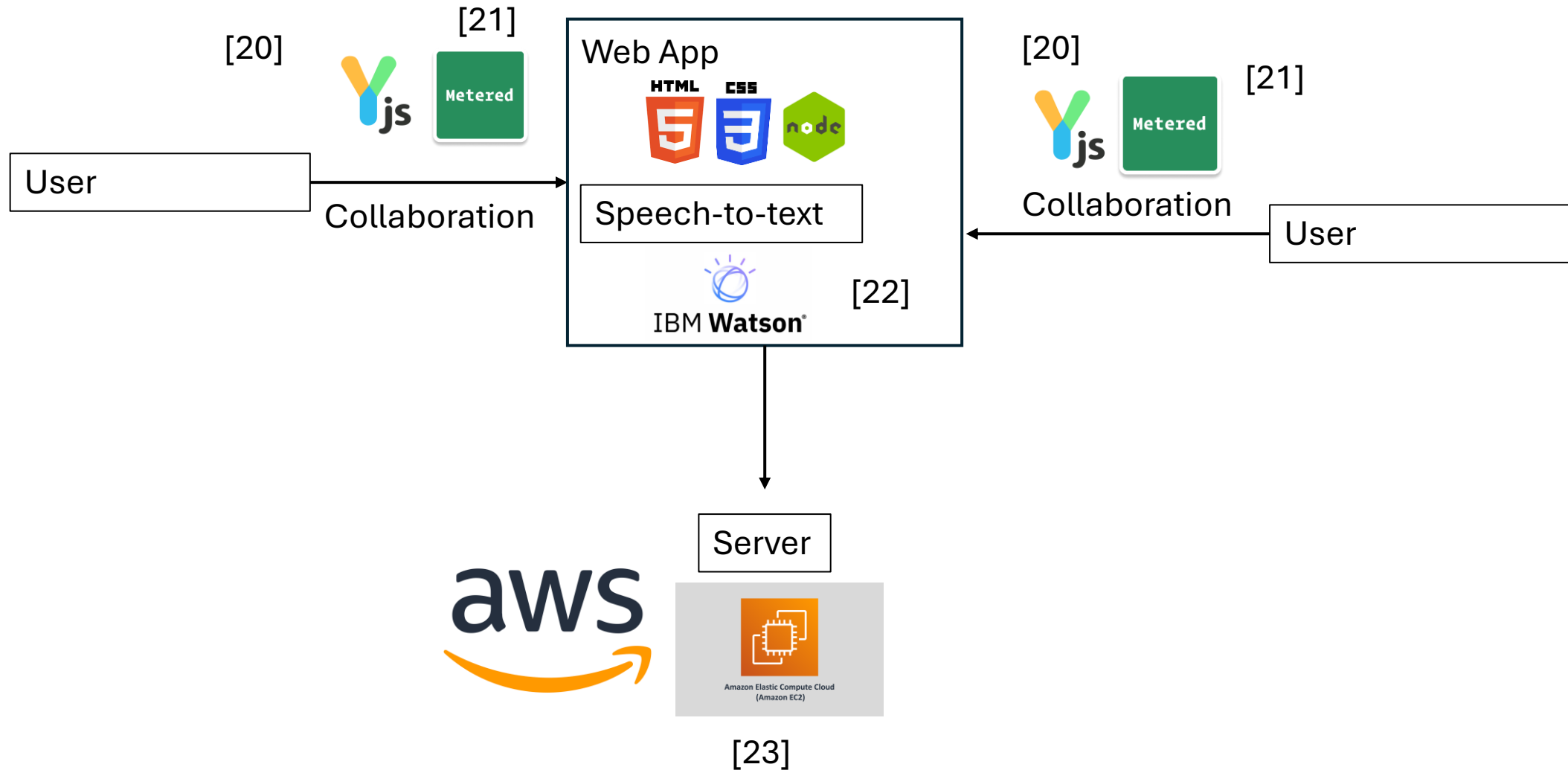
Team Contributions

- Jacob MacLeod: Developed server and browser frontend, set up connection server

Plan for Implementation

- Implement AI Text Summary
- Implement creation of separate rooms for collaboration
- Test collaboration feature on different networks

System Diagram



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