MICHIGAN STATE UNIVERSITY

Beta Presentation

Watcher of Attuned Video Experiences (WAVE)

The Capstone Experience

Team TechSmith

Marcus Cohen, cohenm16@msu.edu
Josh Costantino, costan32@msu.edu
Shane Jose, joseshan@msu.edu
Meenakshi Menon, menonmee@msu.edu
Phoebe Mensah, mensahph@msu.edu
Noor Muhammad, muham101@msu.edu

Department of Computer Science and Engineering
Michigan State University

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From Students…
…to Professionals

Project Overview

- Transform passive video consumption into an active viewing experience
- Tailor content to match viewer's preferences and needs
- Continuously improve the viewing experience for users

Team Member's Technical Tasks

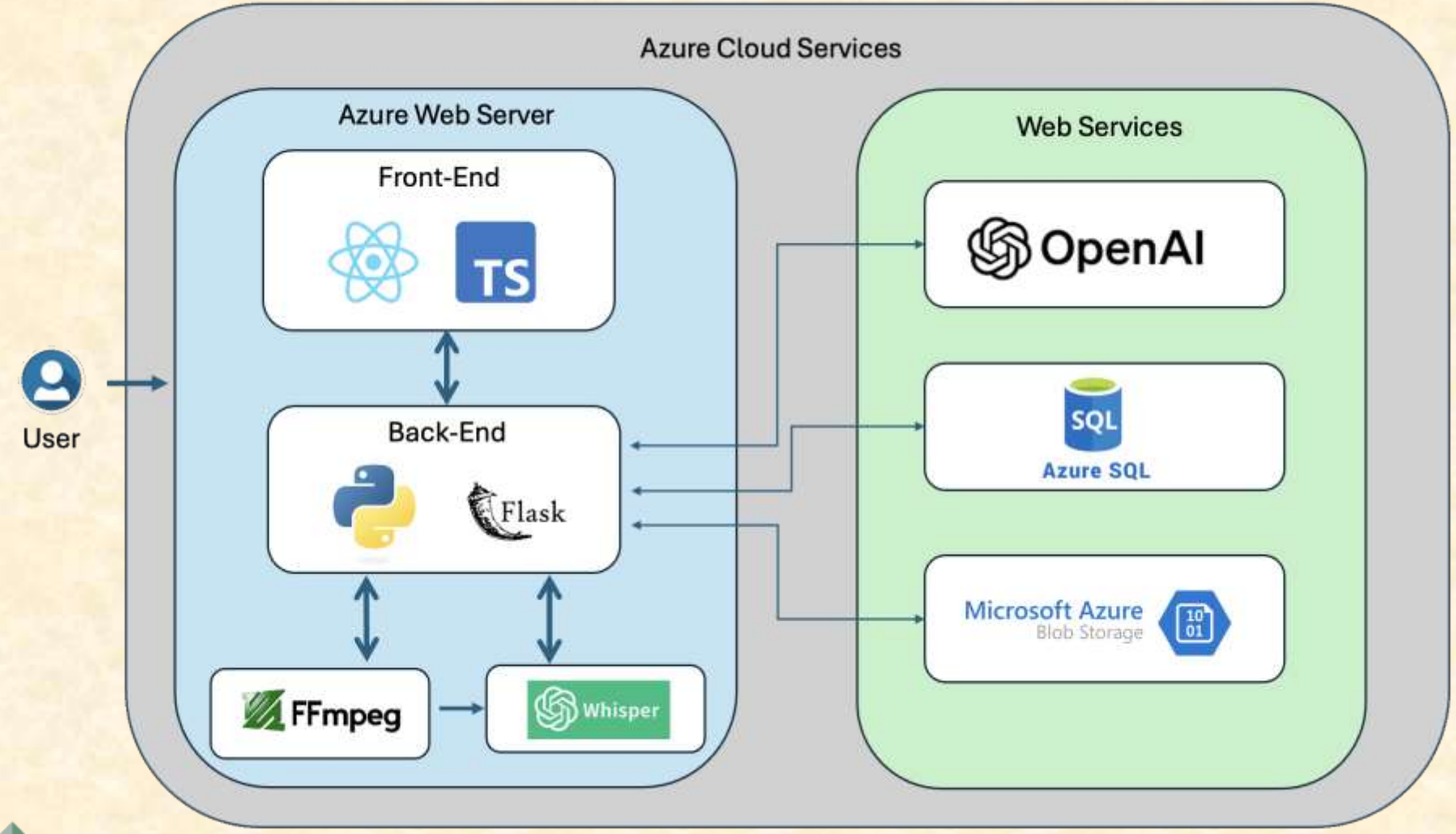
Technical Tasks Assigned

- Marcus Cohen
  - Video uploading and retrieval
  - User highlights getting video list and setting video
  - Community feedback frontend
- Shane Jose
  - Implement Whisper model & Pre-video Form (front-end)
  - Implement Interactive Buttons Functionality (front-end)
  - Implement Video playing the timestamps & Chatbot (frontend)
- Joshua Costantino
  - Selecting timestamps to play in the video
  - Implemented ChatBot backend
  - Backend for user highlights (saving and loading videos)
- Noor Muhammad
  - Storage of videos into Blob storage
  - Implement More Like This button (backend)
  - Implement enhanced Pre video edit
- Phoebe Mensah
  - Authentication and Users (frontend, backend and database)
  - User Preferences/ User Feedback (frontend, backend/ database)
  - Survey Feedback (frontend, backend and database)
- Meenakshi Menon
  - Saved Videos Displayed in User History (frontend/backend)
  - Community Feedback backend
  - View Transcript functionality for every video

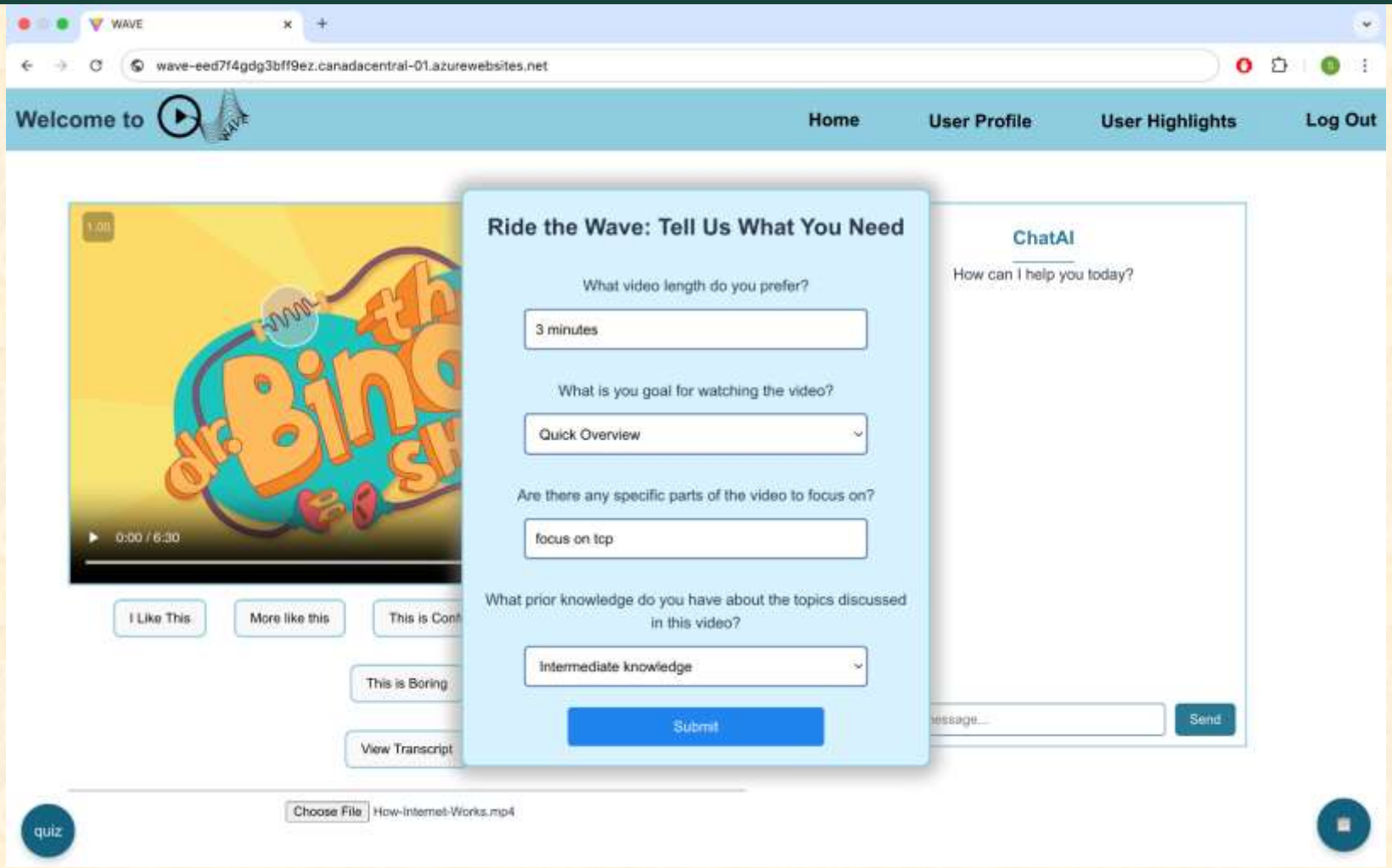
Technical Tasks Completed

- Marcus Cohen
  - Video uploading and retrieval
  - User highlights getting video list and setting video
  - Community feedback frontend
- Shane Jose
  - Implemented Whisper model & Pre-video Form (front-end)
  - Implemented Interactive Buttons Functionality (front-end)
  - Implemented video playing the timestamps & Chatbot (frontend)
- Joshua Costantino
  - Selecting timestamps to play in the video
  - Implemented ChatBot backend
  - Backend for user highlights (saving and loading videos)
- Noor Muhammad
  - Videos stored into Azure Blob categorized by user
  - More Like This functionality implemented (backend)
  - Implemented feeding all relevant data related to user and video to fetch optimal timestamps
- Phoebe Mensah
  - Authentication and Users (frontend, backend and database)
  - User Preferences/ User Feedback (frontend, backend/ database)
  - Survey Feedback (frontend, backend and database)
- Meenakshi Menon
  - Saved Videos Displayed in User History (frontend/backend)
  - Community Feedback backend
  - View Transcript functionality for every video

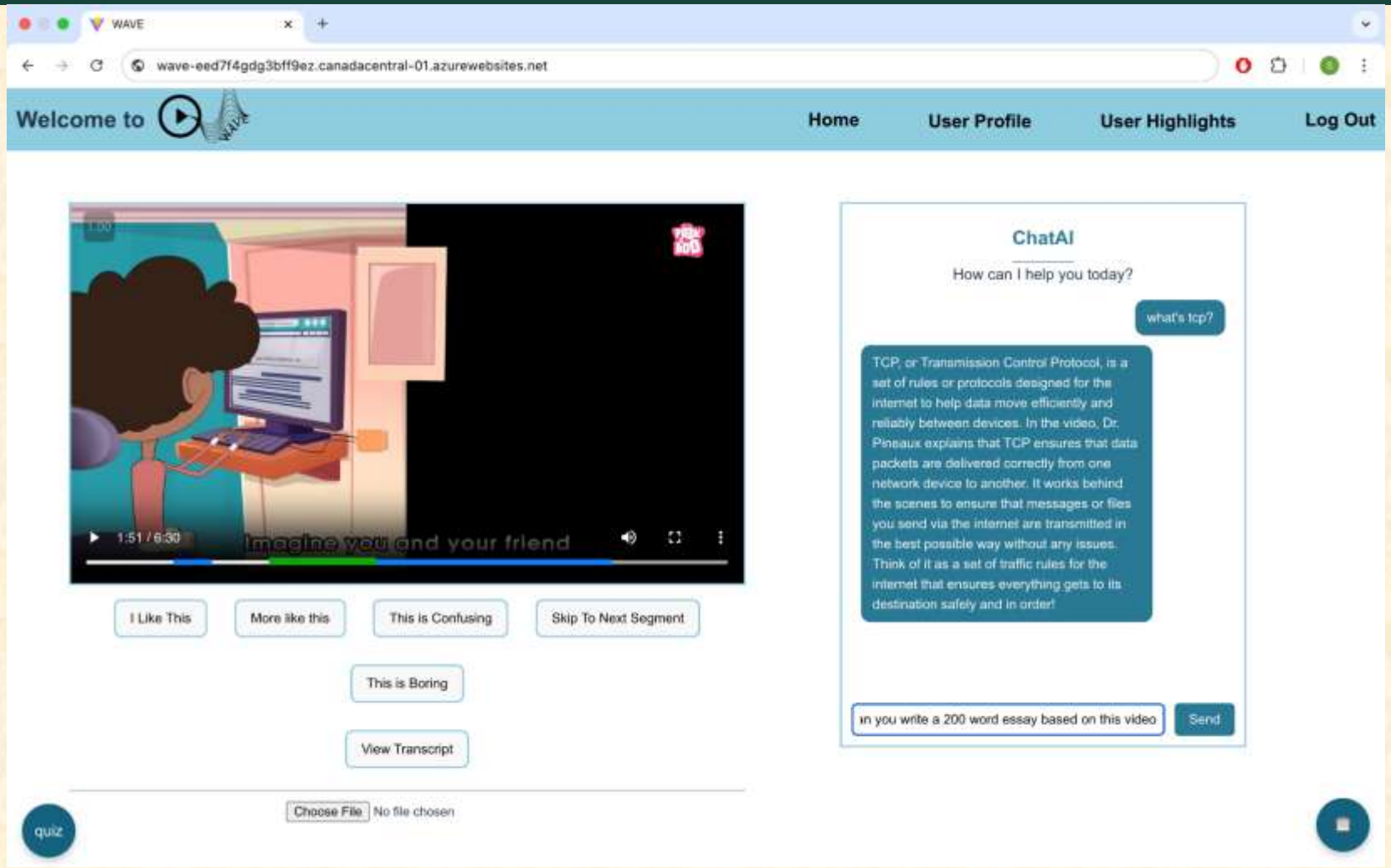
System Architecture



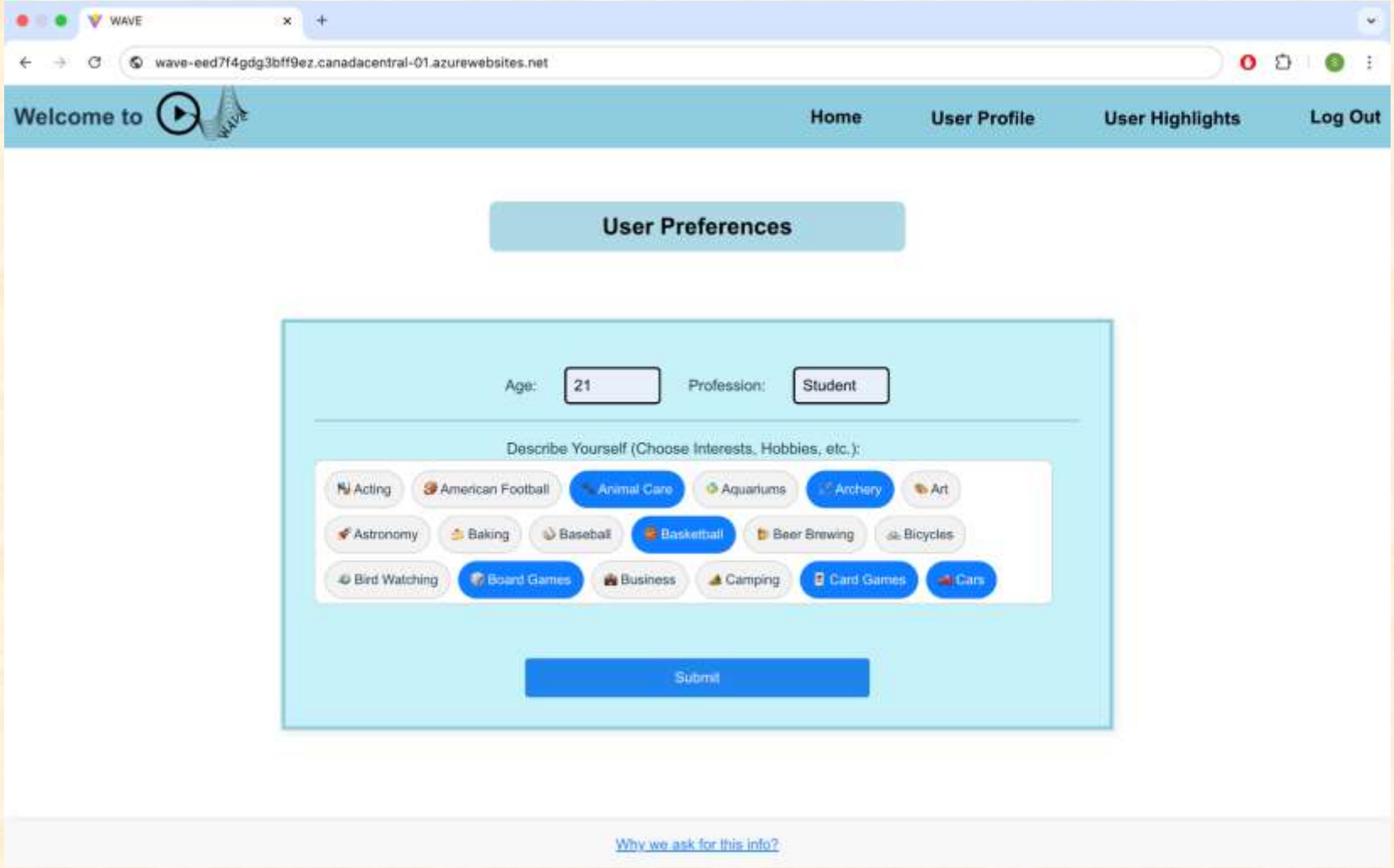
Pre-Video Form



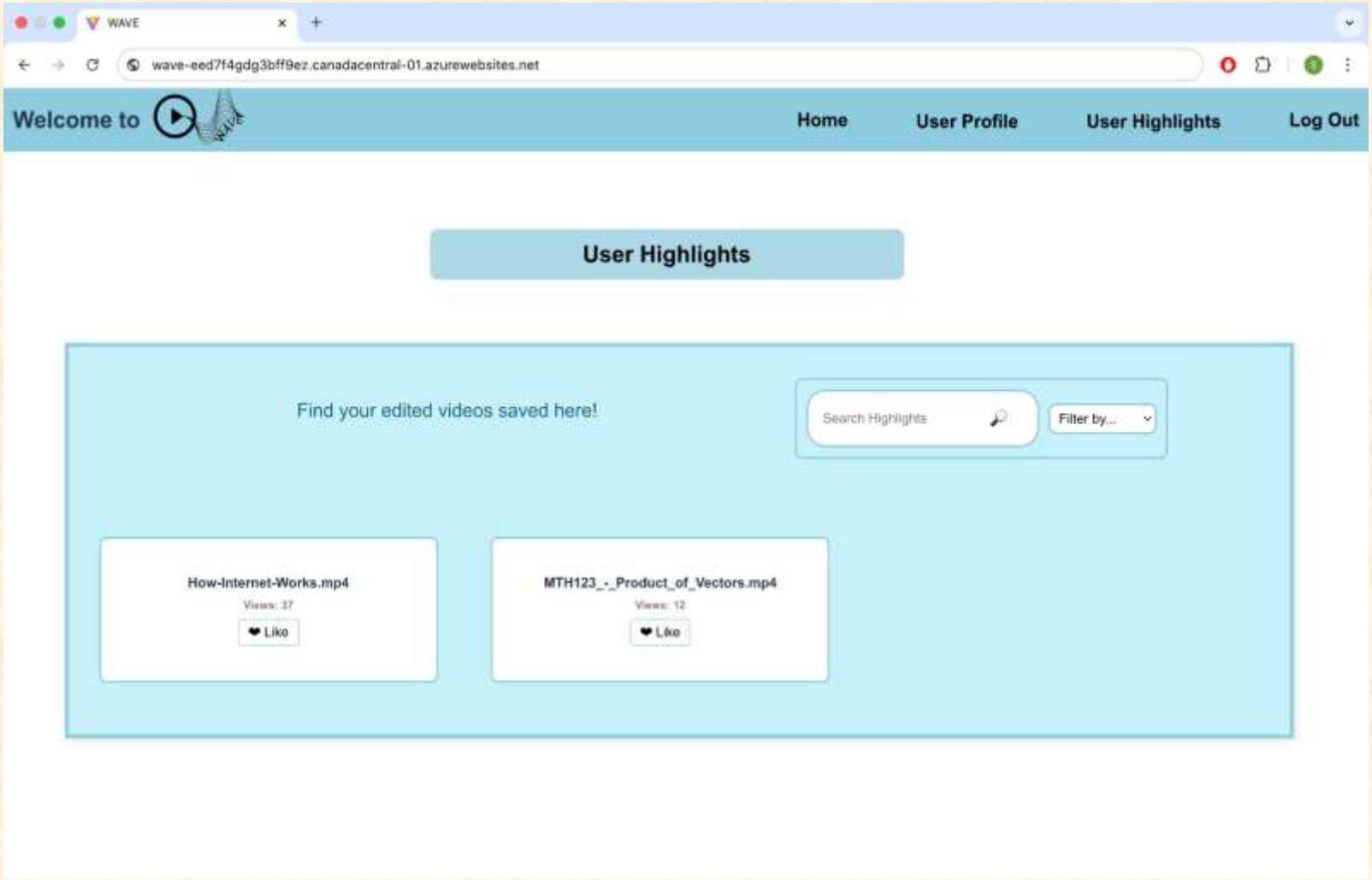
Interaction with Video Player



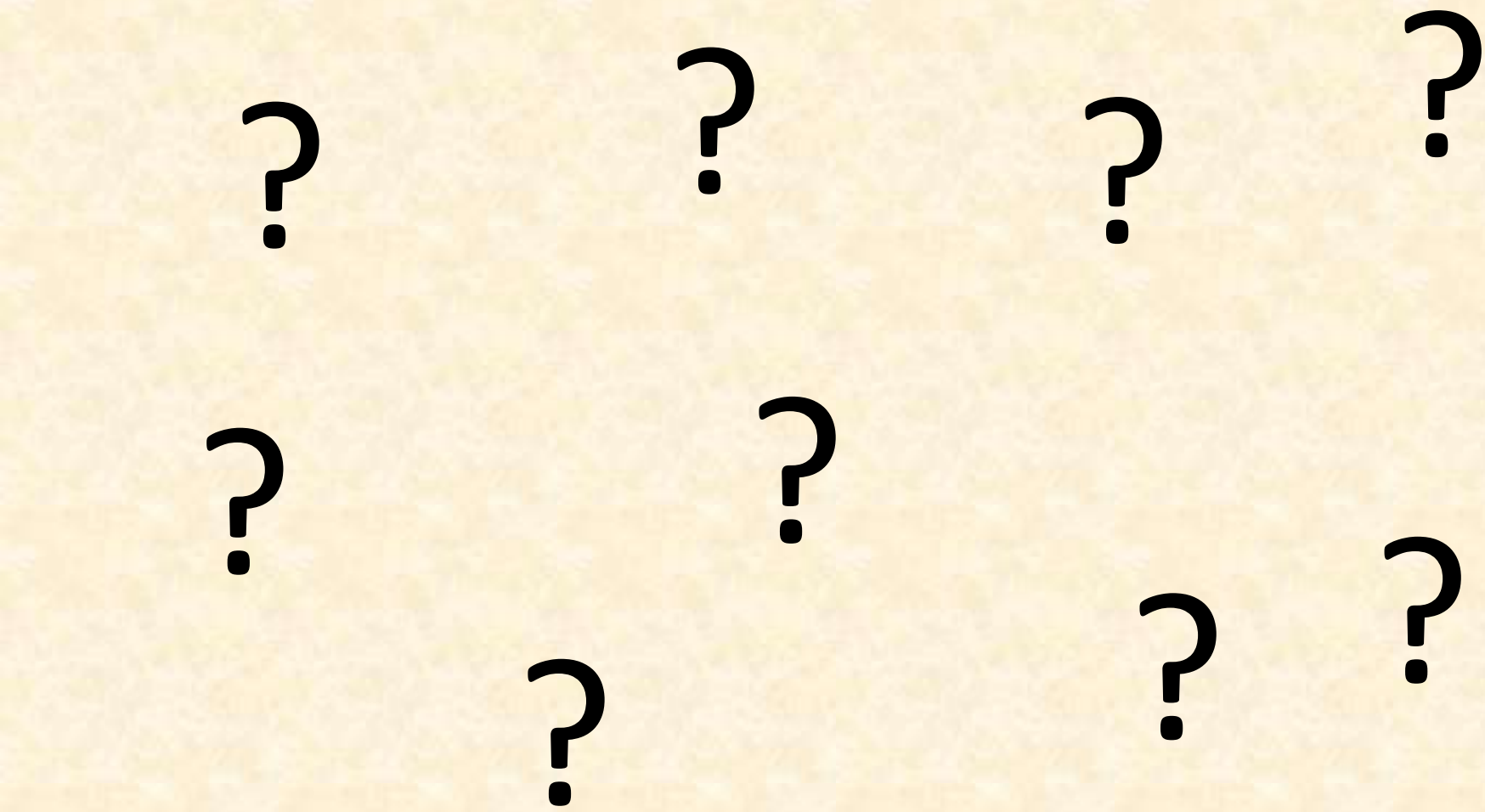
User Preferences



User Highlights



What’s left to do?

- Other Tasks
  - Bug fixing
  - UI adjustments
  - ChatGPT prompt improvements

Questions?