CS 6440 Project Final Submission

**Developing an App to collect data for people at risk of Alzheimer’s Disease**

**– Final Submission**

Term: Spring 2024

Yuan Shang

# Section I: Project Overview

**Project Title:** Developing an App to collect data for people at risk of Alzheimer’s Disease

**Team Members and Roles/Responsibilities (If Applicable)**

* *Yuan Shang – Frontend, User Experience, Backend, Deployment*

**TA Mentor:** *Michael Romano*

## Project Task Status

* Project initialization: set up softwares, github projects, etc.
* Finished Material and Background check.
* Information Flow Chart.
* Finished News Generation Module.
* Finished Audio recording Module as a Flash App.
* Finished login porter using smart FHIR
* Finished new patient registration
* Finished various module integration. Relationship database contraints, etc.
* Finished app deployment

# Section II – Project Artifacts

**Deployed Application URL:** *(It’s a standalone app.)*

**GitHub Repository Link:** *https://github.com/RaymondSHANG/AudioCollector*

**GitHub Branch or Commit to Grade (If Applicable):** ffc6ea7977f771e17da2e99ab18908d9baf2dbba

# Section III – Project Presentation

**Presentation Link:** *(GoogleDrive*

*https://drive.google.com/file/d/1MyxZbfmB32OZcl3aJslkEzhp95gxX8Kn/view?usp=sharing)*

**Provide a FULL URL, DO NOT EMBED THE LINK IN A WORD OR PHRASE.**

**Note:** Convert Slides to PDF and Merge with this single submission. You could add the contents of this deliverable to the final slide deck and convert the whole thing to a PDF to submit. Just make sure all links are clickable and do not include the submission information in the video presentation. (This is to provide a backup to presentations, both to ensure smoother grading in case of an error in a presentation and to maintain a record in Canvas.)

# Section IV – Project Documentation

**Create a directory in your GitHub repository called “Documentation”. Within this directory provide the following:**

* Technical and/or User Manual
  + Provide information on deployment of the application.
  + Provide basic user instructions in order to utilize the application fully and show off all features.
  + Special Instructions for Grading (“navigate to this URL…type in the following…click on this...etc.”) for the instructing team to follow in order to successfully deploy and run your application (in the event it is necessary, trust us it happens every semester). Include any special build or launch instructions. Please do not forget login information or anything such as FHIR patient IDs that may be needed.
    - **PLEASE USE MARKDOWN SO NO DOWNLOAD/CLONE IS REQUIRED.**
* Research
  + Any research done during the course of the project. This will vary heavily by project. As always, check with your TA mentor on expectations.
* Architecture Diagram
  + Include an up to date version of your architecture diagram from Sprint #2.
* Startup and Configuration Files
  + Dockerfile, docker-compose.yml, etc…, as applicable

**For each item included, provide a labeled direct links. Use full URLs, do not embed the link in a word or phrase.**

**All of the documentation that you submit with your final project should be treated as an official deliverable – this includes the technical/user manual(s). Documentation that is not well structured or clearly written may result in point loss, as it can impact use and thus grading of the application.**

PPT slice: