

What Now?

Week 3 report

The “What Now?” project was designed to help college students better manage their time, being able to scan their syllabi and automatically have a neat schedule that can be modifying by voice command will make time management seamless. Last week, we began the implementation phase of the project, knowing that we have a lot of work ahead of us.

Adding to the design of the app, last week we finished the DocumentScanner functions of scanning the text and creating a JSON object of the events scanned so that we can pass it to the CommandHandler when it's done. VoiceInput is also almost done; it converts voice recordings into text ready to be parsed when confirmed. The DocumentScanner still needs to have the upload button working, but it will be trivial since all we need to do is extract the text and send it to the generative AI that generates the JSON, same goes for the VoiceInput class. To begin progress towards the CommandInterpreter, the CalendarEvent data classes have been created, and work will soon begin on implementing the Schedule class.

A few things got in our way, including UI issues with popups for the DocumentScanner class and Git issues with the issue tracker. The main problem with the UI was that popups weren't displaying correctly in the DocumentScanner class, which affected the user experience. For version control challenges, we encountered issues with

the issue tracker, as it currently doesn't show the pull requests, even though we are pretty sure it supports it. This made it difficult to track our work and collaborate effectively on the project. We also had an issue that when recording was stopped then started back up quickly it would double the input, so we ended up disabling the recording button for 3 seconds after it is stopped to give it time to stop listening.

We're still on pace with our Gantt chart; last week was focused on finishing the DocumentScanner and VoiceInput classes. We followed those goals closely, having completed the scanning of documents generating JSON, as well as implementing audio to text generation. This upcoming week, we'll be polishing the DocumentScanner and VoiceInput and start work on writing the code to allow for integration with the new classes, CommandHandler and CommandInterpreter. We will also be working on implementing the new classes of CommandHandler and CommandInterpreter.

Contributions:

Ethan Janovich: Finished the Voice class, will now display the text that is received and allow it to be edited if need be before submitting.

Lavender Wilson: Worked on CalendarEvent data classes, set up issue-tracking github project board, reorganized project source code.

Samuel Persinger: Finished the DocumentScanner for generating JSON from scanned text, started cleaning up DocumentScanner for integration with CommandInterpreter , created the slides and report.