

# Sonora

## Project Checkpoint 1 Agenda

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#### Current state

A working GUI prototype can scan folders, find .mp3s, read ID3 metadata, and display Track/Album views with an inspector. Edits can be made in memory only, not written to files.

#### Demo

Show off file scanning, album vs track view, metadata inspector

#### Right on track with my schedule

- Repo + architecture outline
- Working Iced GUI window
- Folder import + scan
- ID3 tag reading from files

#### Still need to thoroughly test

- Different filetypes
- Recursive scan
- Should start writing some Unit tests

#### Current structure

/core = scanning, ID3 tag reading, data types

/gui = handle frontend stuff to keep main.rs lean

## Difficulties so far

- Rust/Iced learning curve, heavily relying on ChatGPT to teach me what does what
- Ex: why are 'column' and 'Column' two different widgets? (one is the actual class and one is a function that helps build the object)

## Potential challenges

- Remains to be seen how this will scale with large library sizes
- Cross-platform filesystem weirdness
- Tag corruption and other edge cases

## Next steps

- More metadata tags (and group by "Album Artist" in Album View)
- Single & batch file editing
- Playback
- If time permits, prettier GUI (lower priority)

## Questions

- What would you like an app like this to look like, as a fellow music enthusiast?
- If time does get tight, what should I prioritize: robust implementation and testing of existing features, or doing my best to implement new features? (depth vs breadth)