Milestone 2

Entities, Relationships, and Views

Marcus Antonelli

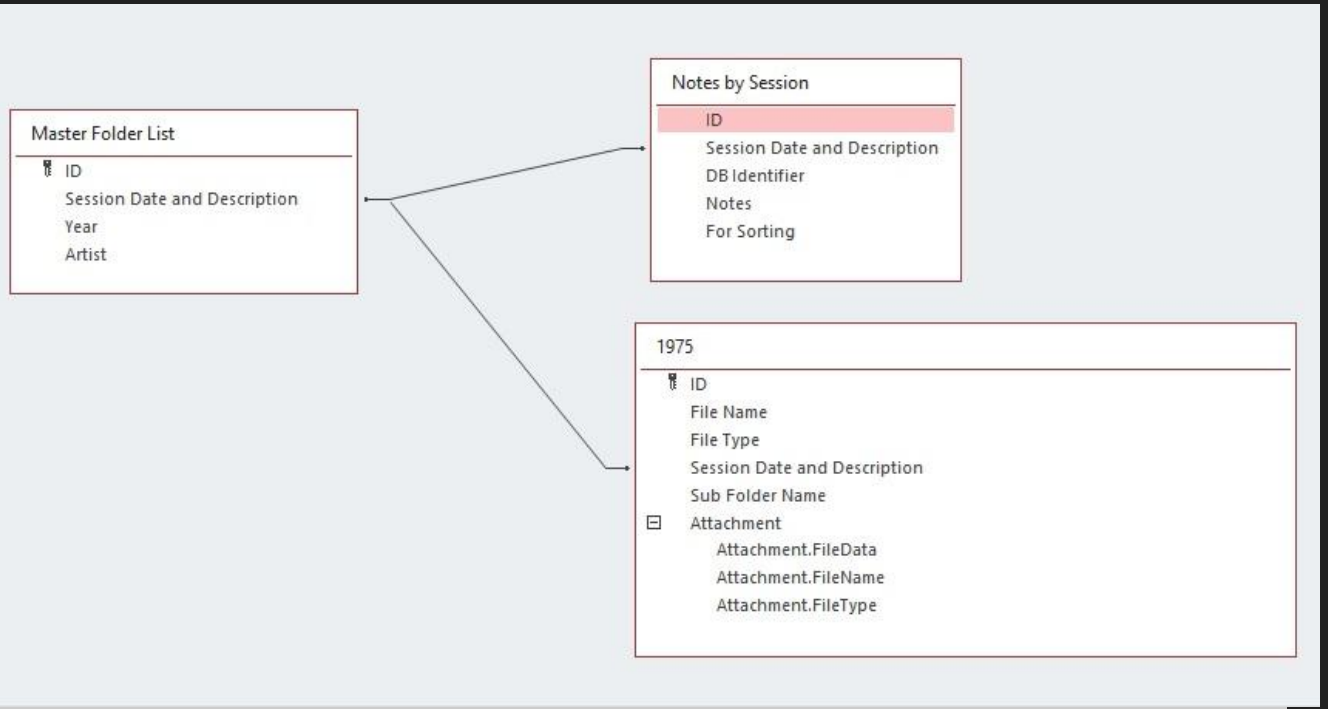
A Quick Recap:
Our Project, Summarized

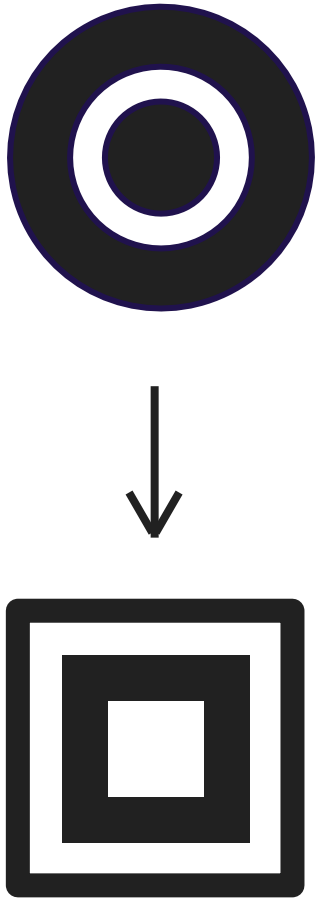
The “client” has requested that I...

- Update his existing system for tracking his music collection
- Establish a means for other users to access the info
- Maintain a discographic format

A Peek at the Sample Database

tracks from 1975





Changes We've Had To Make (to our plan)

After reviewing the sample DB and talking to the 'client', I've:

- Shifted our focus on specific business *wants* (report-centered approach)
- Explored the attachment/file aspect of the assignment
- Redefined some core components
- Scrapped ideas that didn't align with overall goals

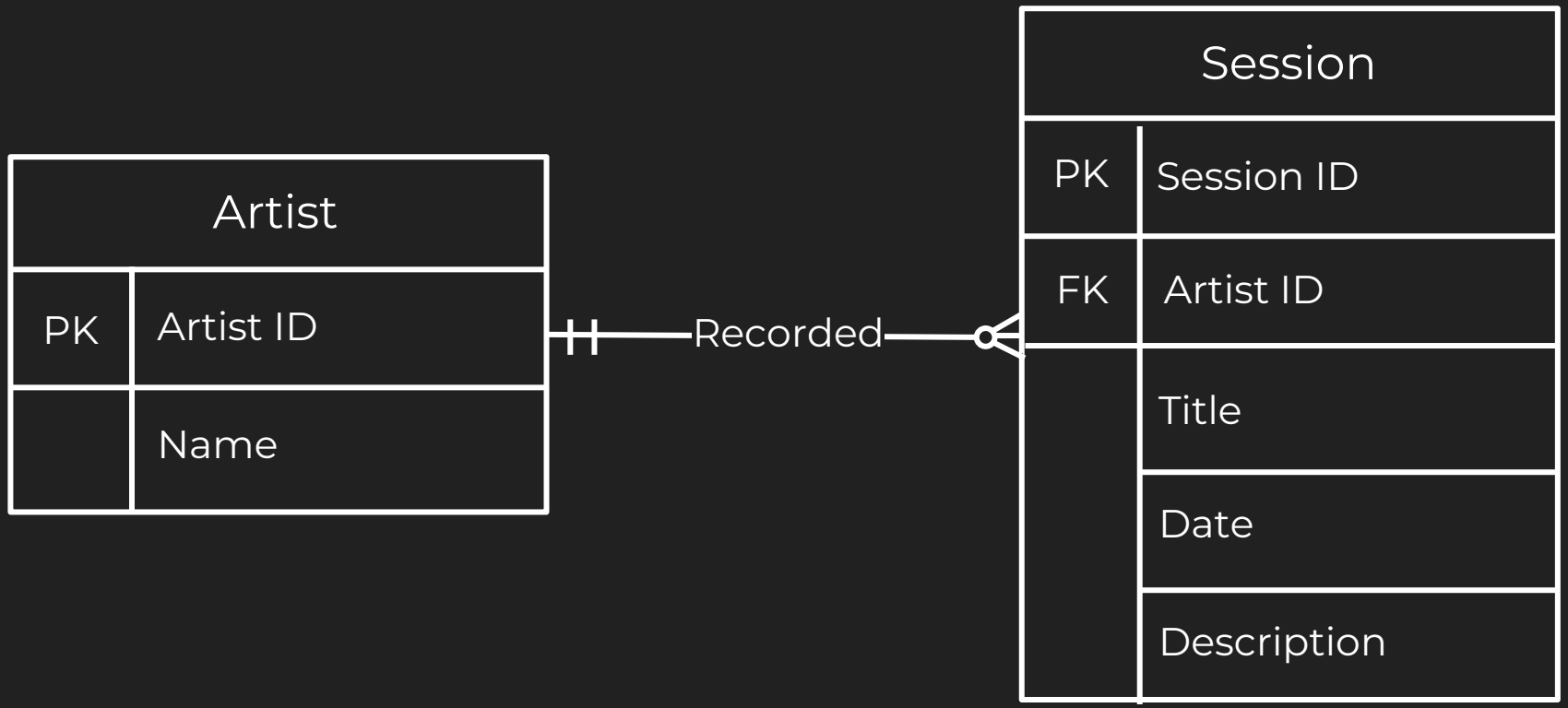
Identifying the Entities

The sample database has some major flaws in its core “entities.” However, most (if not all) of the entities that I’ll extract are *fields* of the sample’s individual entities.

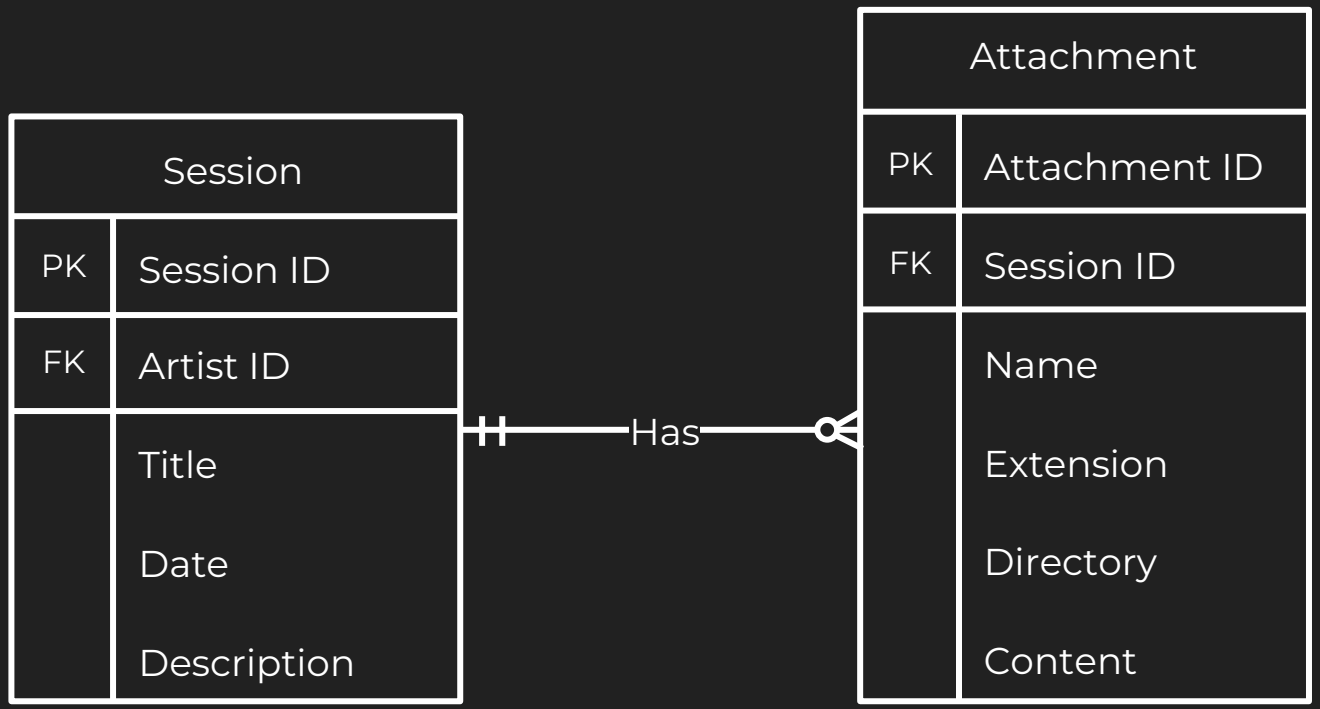
Our Identified Entities:

1. Artist -→ | Artist ID | Name |
2. Session -→ | Session ID | Title | Date | Description |
3. Session Notes -→ |Note ID| Session ID | Content |
4. Attachment -→ | Session ID | Attachment ID | Name | Extension | Directory |Content|

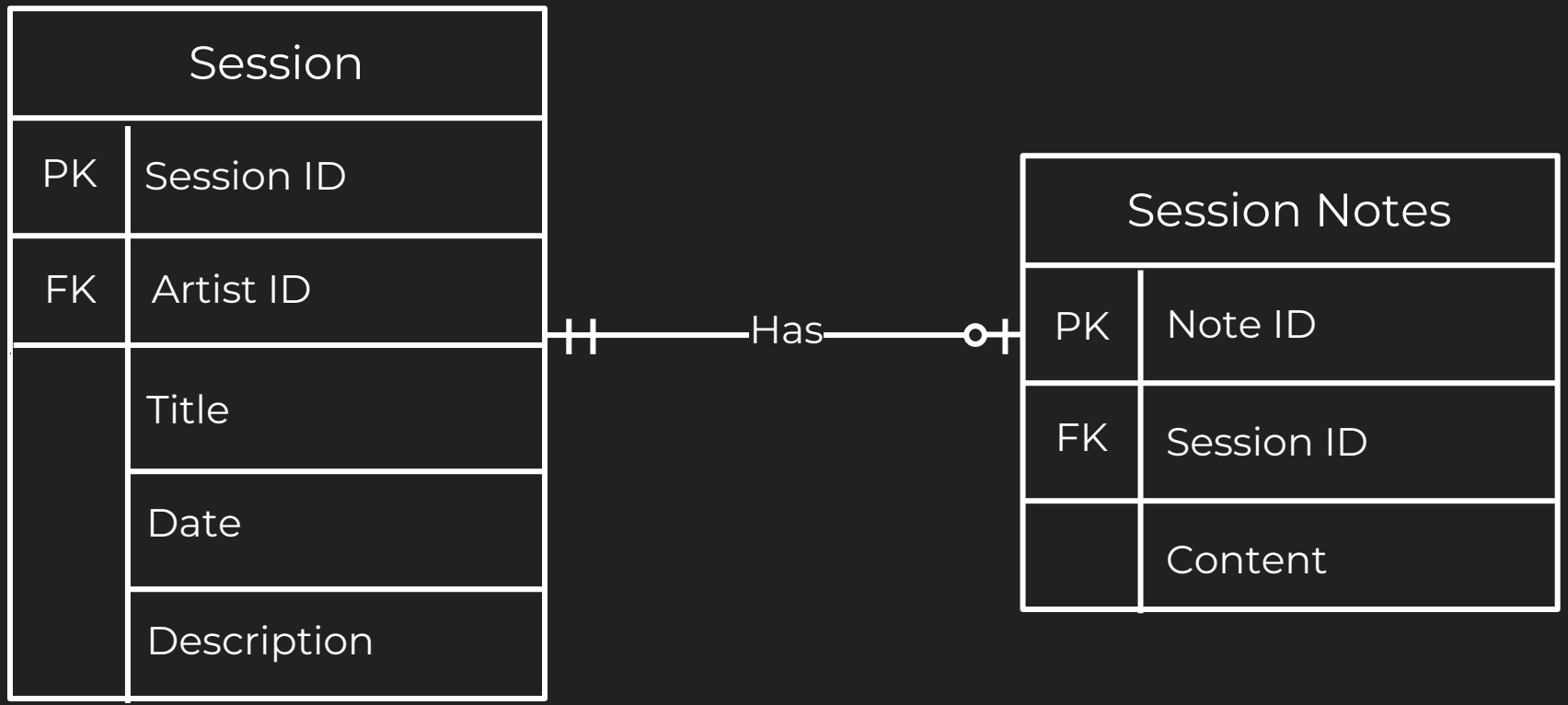
Artist and Session Relationship (One to Many Optional)



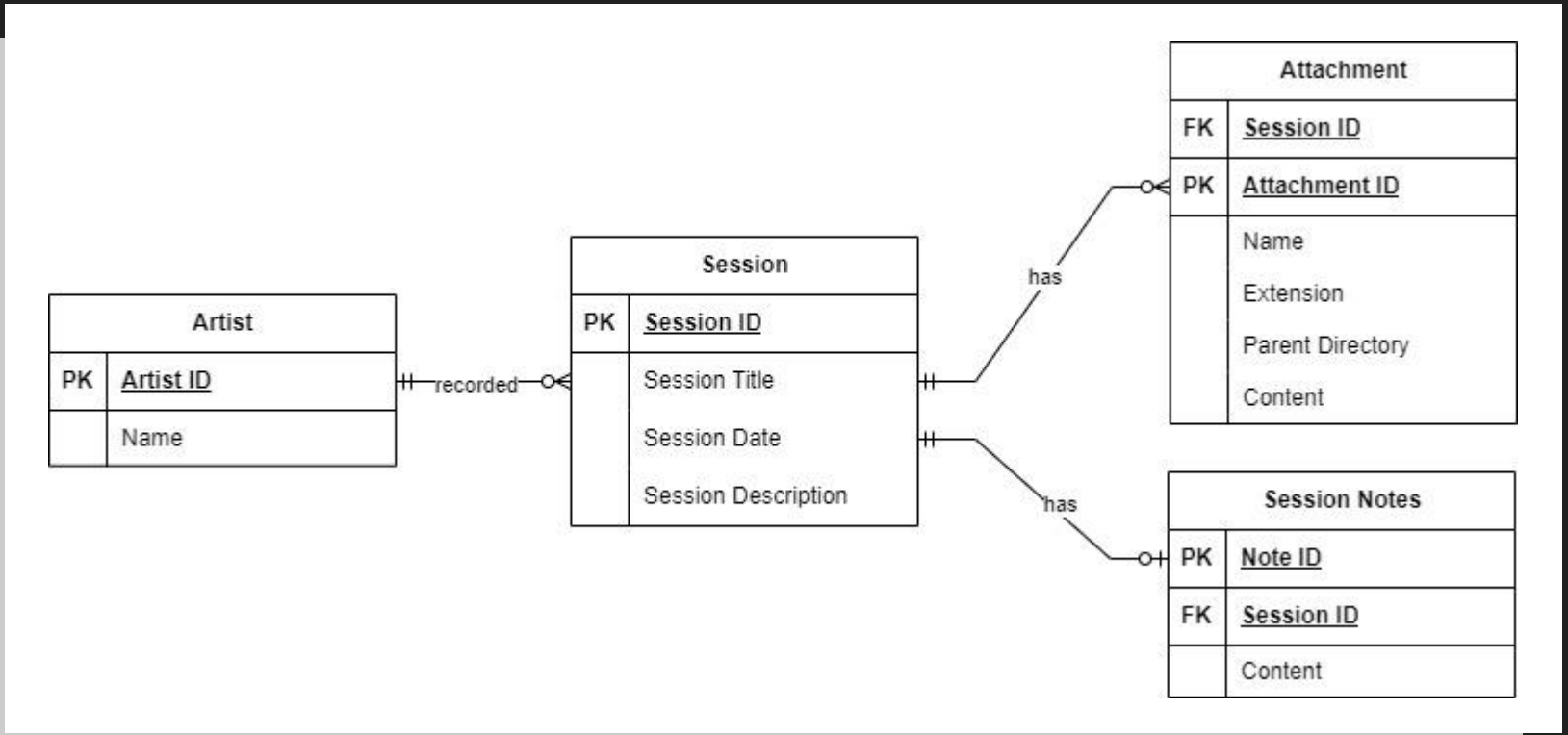
Session and Attachment Relationship (One to Many Optional)



Session and Session Notes Relationship (One to One Optional)



ERD, as a Whole



Potential for “User” Entity

- Last milestone, I briefly covered the possibility of a website adaptation of this project

- If my long-term goal was to implement a website, a User entity would be necessary. It would:

    - Track user activity (logins, interactions)
    - Associate content/data with an identity
    - Allow for more hands-on administration/management
    - Provide a basic layer of security and filtration

Thank You!