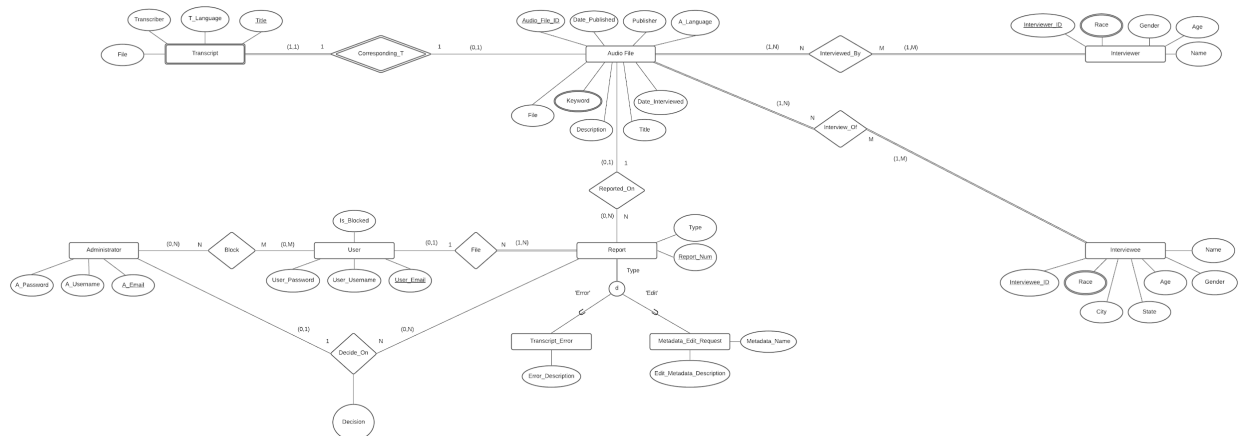Gabrielle Curcio, Carolyne Holmes, Xuanyi Zhao
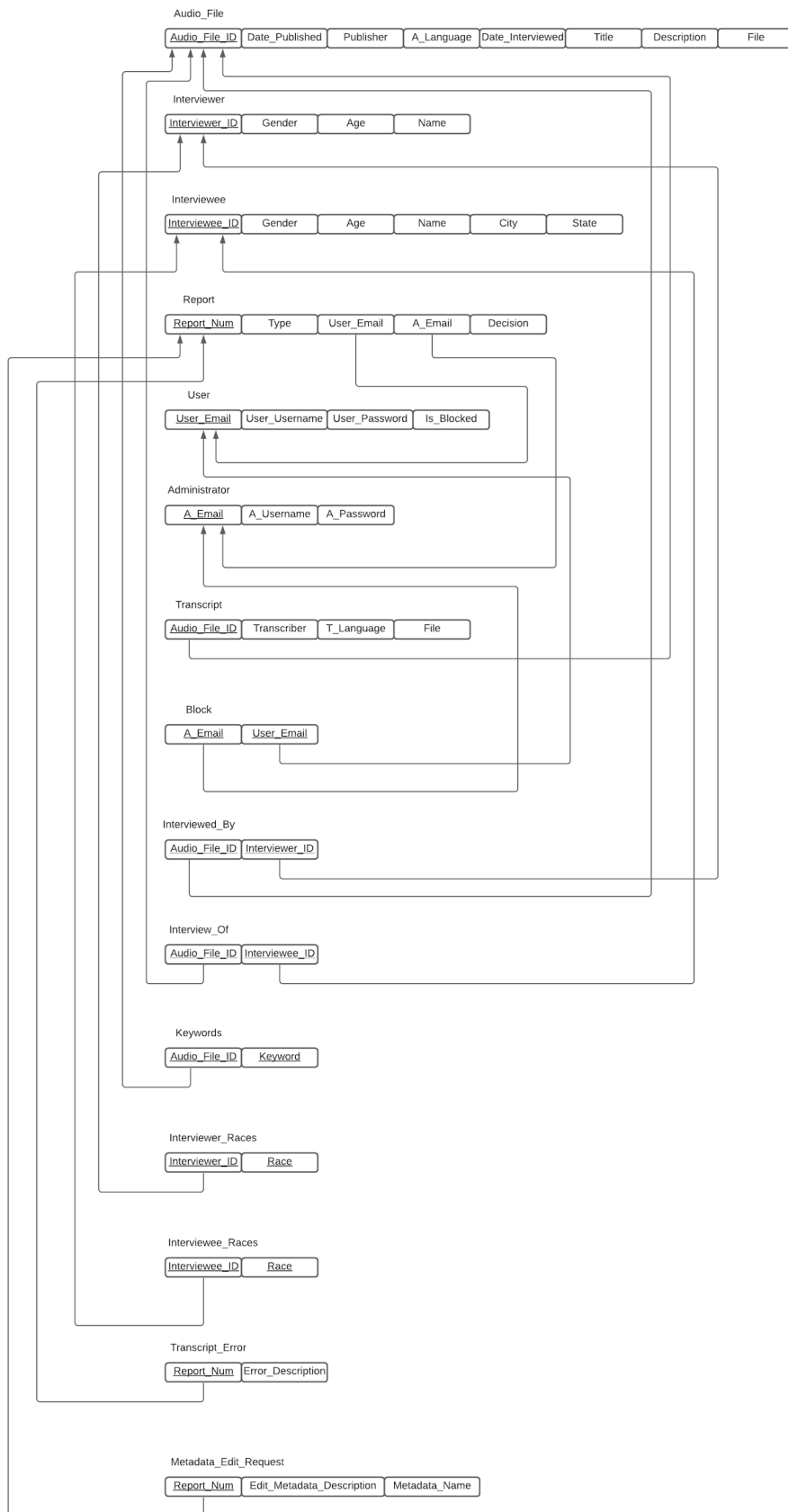March 12th, 2021
CSC 315-01
Stage III Database Model:

EER Model:

https://lucid.app/lucidchart/8af1a69d-400a-44f8-82c0-9317842e2c2a/edit?page=0_0#

Relational Diagram:

https://lucid.app/lucidchart/8af1a69d-400a-44f8-82c0-9317842e2c2a/edit?page=sBHjS.yifsY2#

Audio_File

| Audio_File_ID | Date_Published | Publisher | A_Language | Date_Interviewed | Title | Description | File |

Interviewer

| Interviewer_ID | Gender | Age | Name |

Interviewee

| Interviewee_ID | Gender | Age | Name | City | State |

Report

| Report_Num | Type | User_Email | A_Email | Decision |

User

| User_Email | User_Username | User_Password | Is_Blocked |

Administrator

| A_Email | A_Username | A_Password |

Transcript

| Audio_File_ID | Transcriber | T_Language | File |

Block

| A_Email | User_Email |

Interviewed_By

| Audio_File_ID | Interviewer_ID |

Interview_Of

| Audio_File_ID | Interviewee_ID |

Keywords

| Audio_File_ID | Keyword |

Interviewer_Races

| Interviewer_ID | Race |

Interviewee_Races

| Interviewee_ID | Race |

Transcript_Error

| Report_Num | Error_Description |

Metadata_Edit_Request

| Report_Num | Edit_Metadata_Description | Metadata_Name |

<u>Updated Diagrams</u>:
- Removed "Interviews Relationship" between Interviewer and Interviewee to reduce Interviewer/Interviewee redundancy
- Removed "Browse" Relationship between User and Audio_File since non-logged in users can browse files.
- Added File Attributes to Audio_File and Transcript to represent the raw file.

<u>Database Initial Size</u>= 200 audio records
> Based upon size of trentoniana (74 audio records) and other databases, which are typically larger.

<u>Types of Queries</u>= SELECT by keyword (for searches), PROJECT specific data (like certain metadata for the files), SORT files by things like date or alphabetical order, ADD/DELETE/UPDATE record by Administrator, & submission of changes/errors by users

<u>Numbers of Queries</u>= likely 10-50 searches a day (SELECT and PROJECT and SORT operations), and likely initially many adding/updating records (but then only around 5 add/delete/update record operations every few weeks since the audio files would not change a lot and not many users would frequently submit metadata changes or transcript errors)