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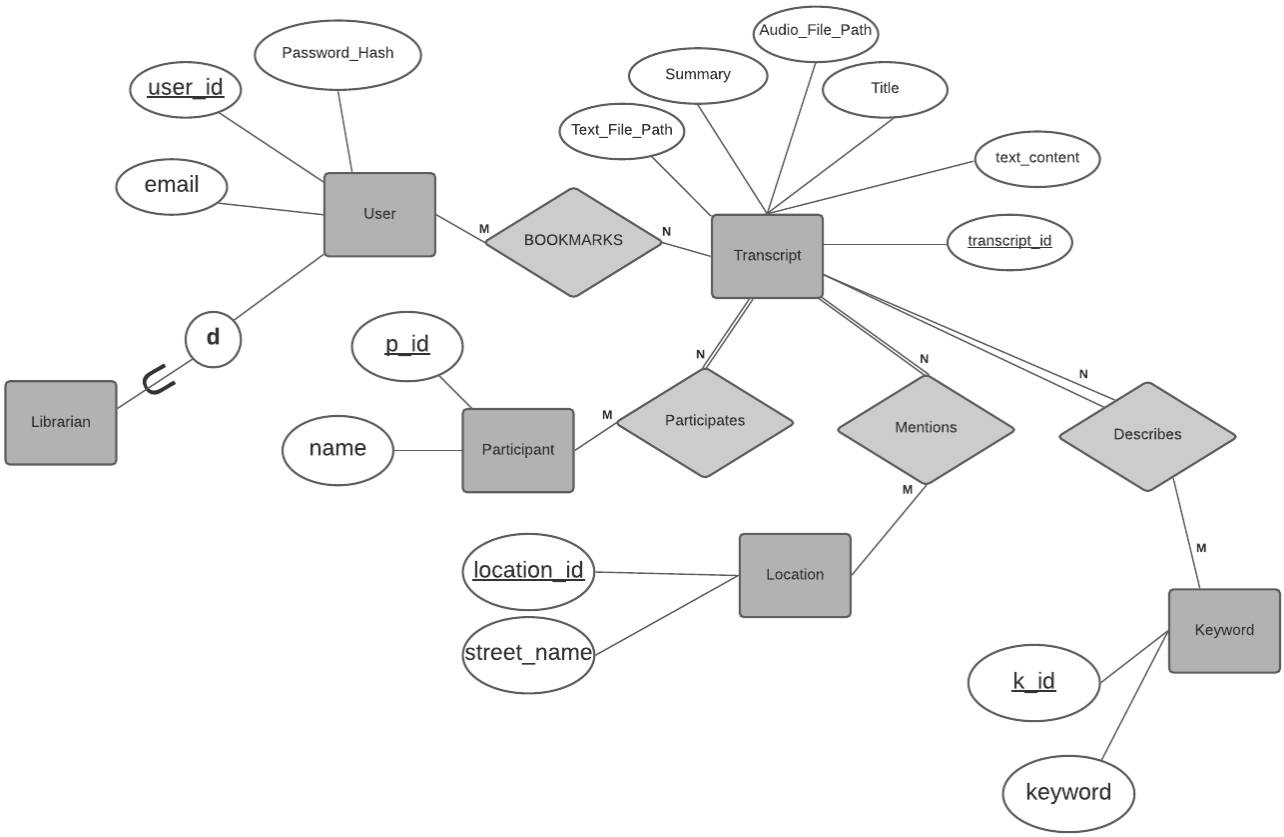
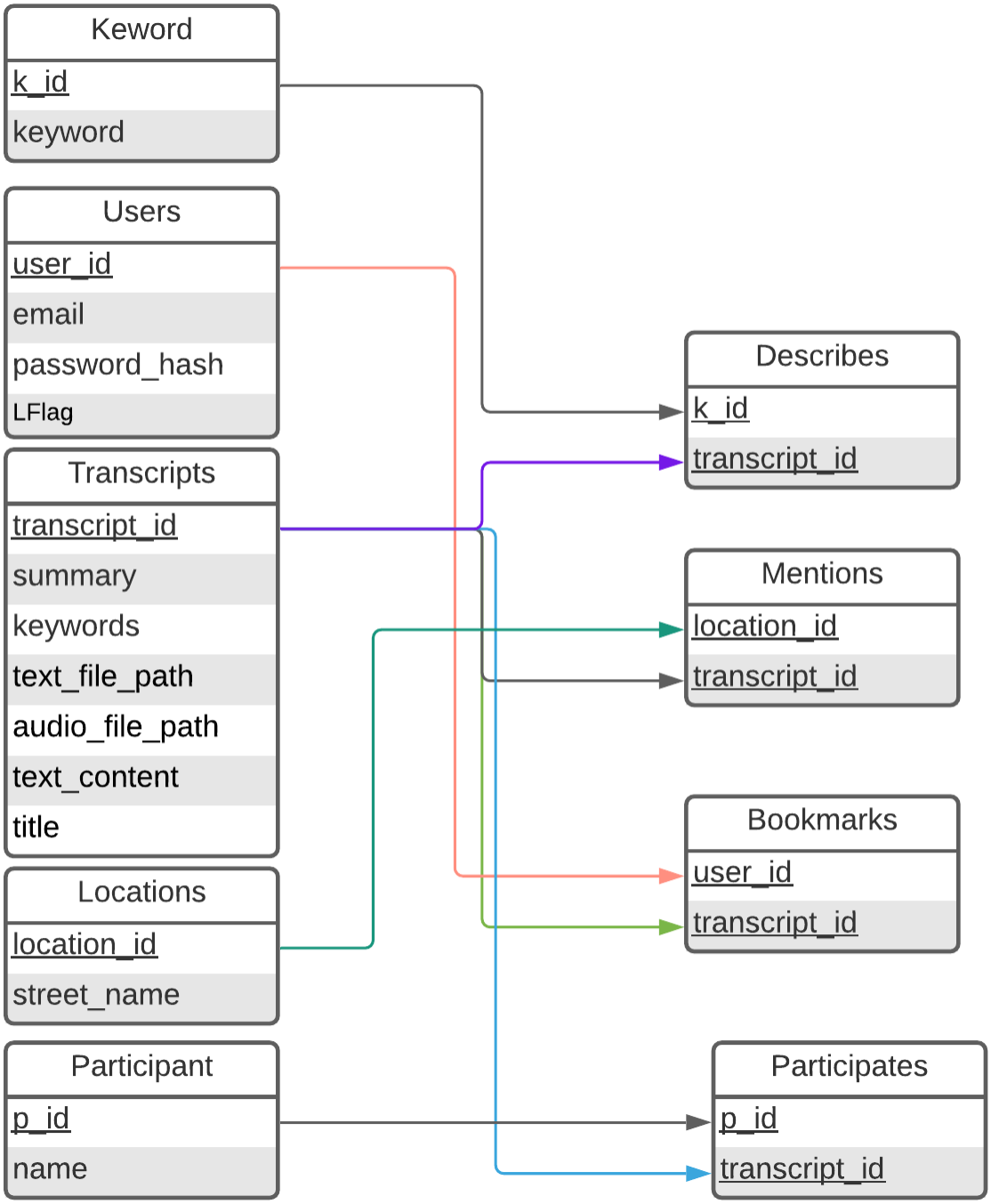
CSC 315-01 and LNG 370/HON 270 Collaborative Project Stage III

EER Diagram



Relational Schema



Initial Database Size:

Assumption: We will be testing with a couple transcripts during the semester. Let's assume 5 of them are used. Lets also assume each transcript has 2 unique participants each and 3 unique locations. Another assumption is we will only have 3 users to start: 2 regular users and a

librarian. They will be added via our web client and server. Thus, the size of our initial database is:

2 users
5 transcripts
10 participants
15 locations
15 mentions entries (since each transcript has unique locations by our assumption)
10 participates entries (since each transcript has unique participants by our assumption)
0 bookmarks entries (Our initial database size will not have had a user bookmark anything yet)

Types of searches and numbers per each:

We anticipate the main searches being the following types:

- Filter by partial match in title
- Filter by participants
- Filter by partial match in text
- Filter by partial match in summary
- Filter by location
- Filter by keywords

Assuming that at a given time, there are about 25 researchers or users who need access to the transcripts. Lets assume that at this point, there are many transcripts entered into the system and the users are required to review many of them. Each of these are important searches and filters for a given user. Therefore, it is necessary for them to do these searches a couple times in a given day. If each researcher or user were to perform each search 5 times a day, to find the necessary transcripts, each search would have 125 executions each day.