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Group 3

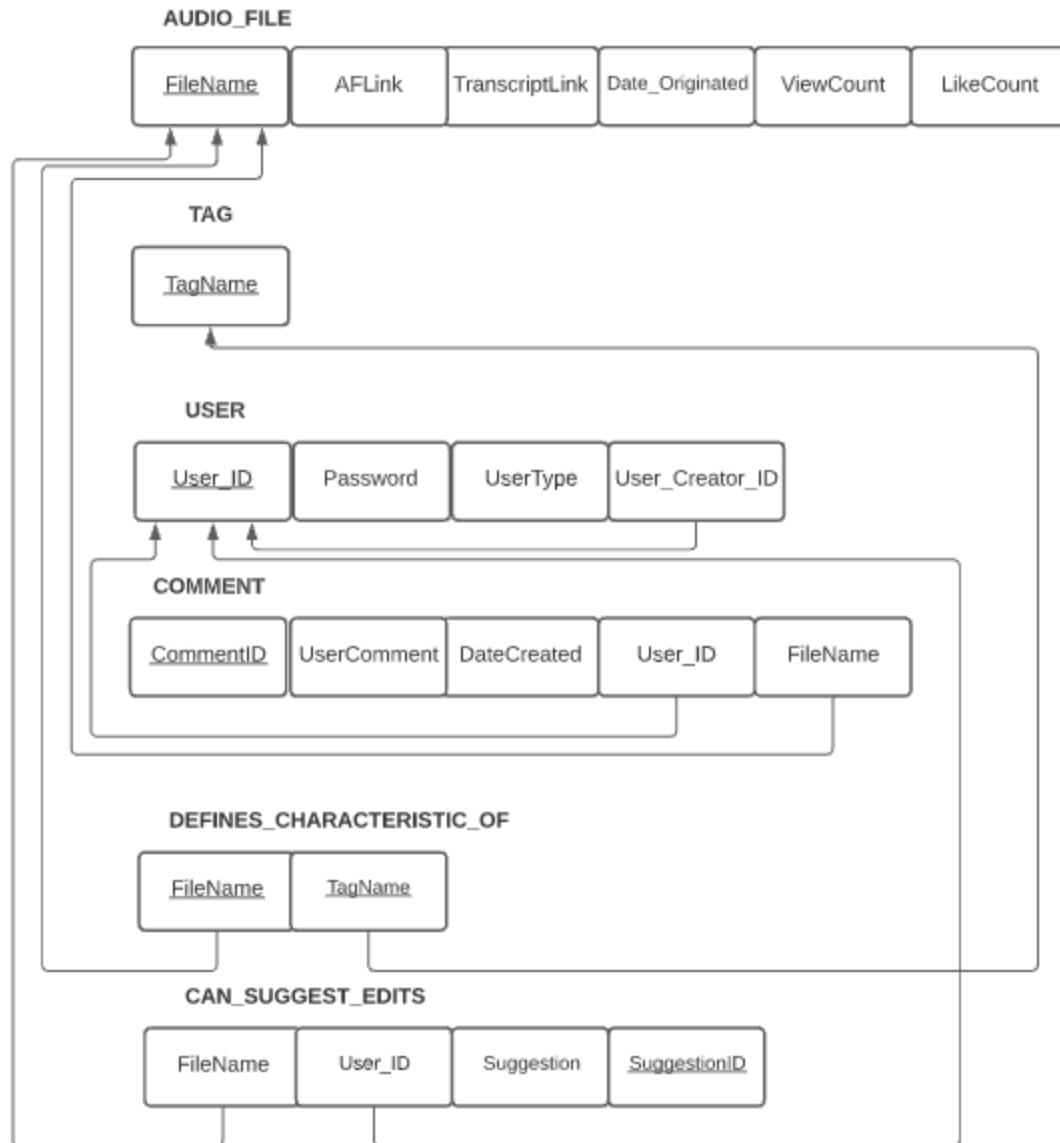
Project: Audio-Transcript Database Implementation

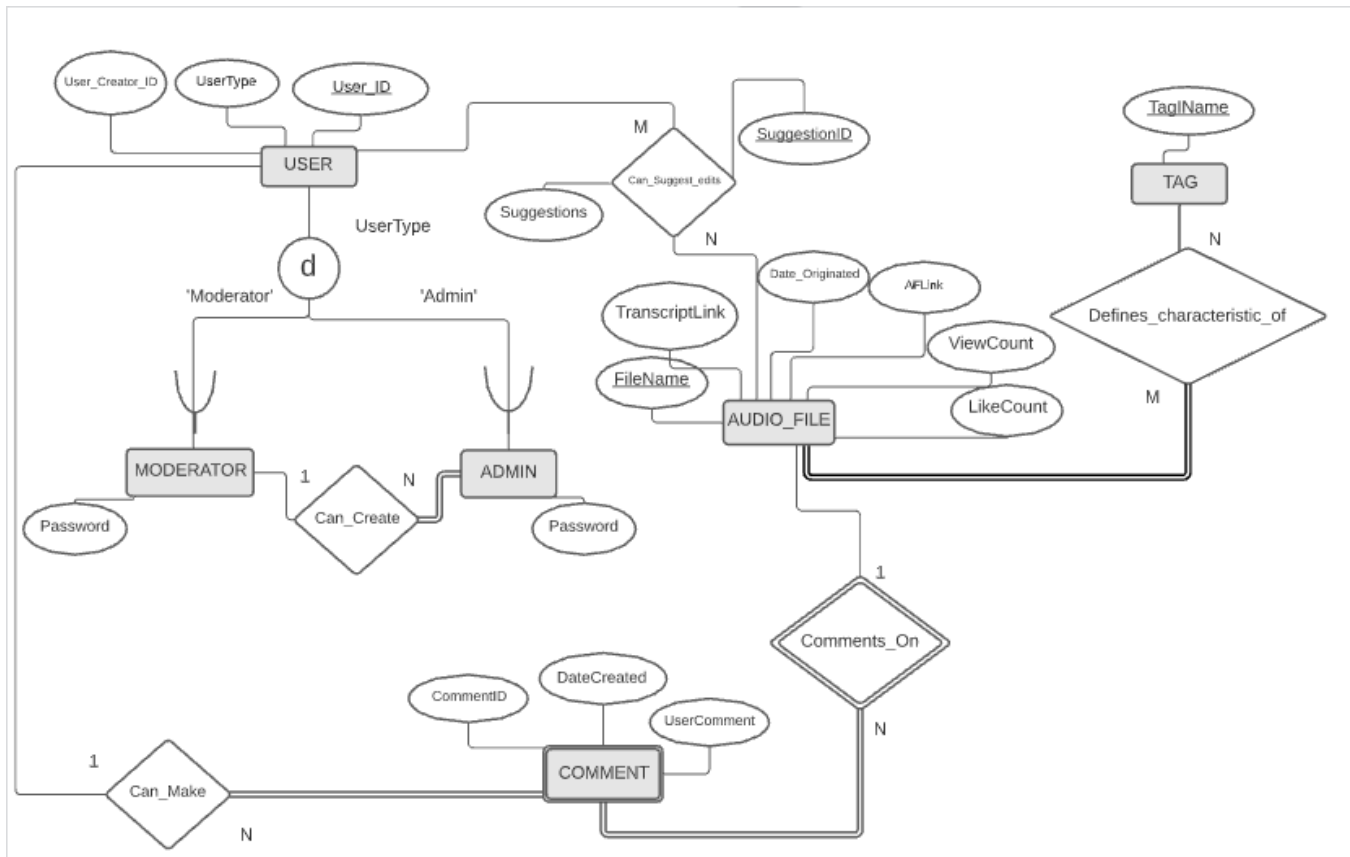
Stage III – Elaboration: Database Model

- Initial database size (approximate number of records)
 - About 74 audio files
- Types and average number of searches
 - Types of Searches
 - Location
 - Religion
 - Year
 - Name
 - Average number of searches
 - Maximum of 25 queries per day, most likely around an average of 10-15 queries

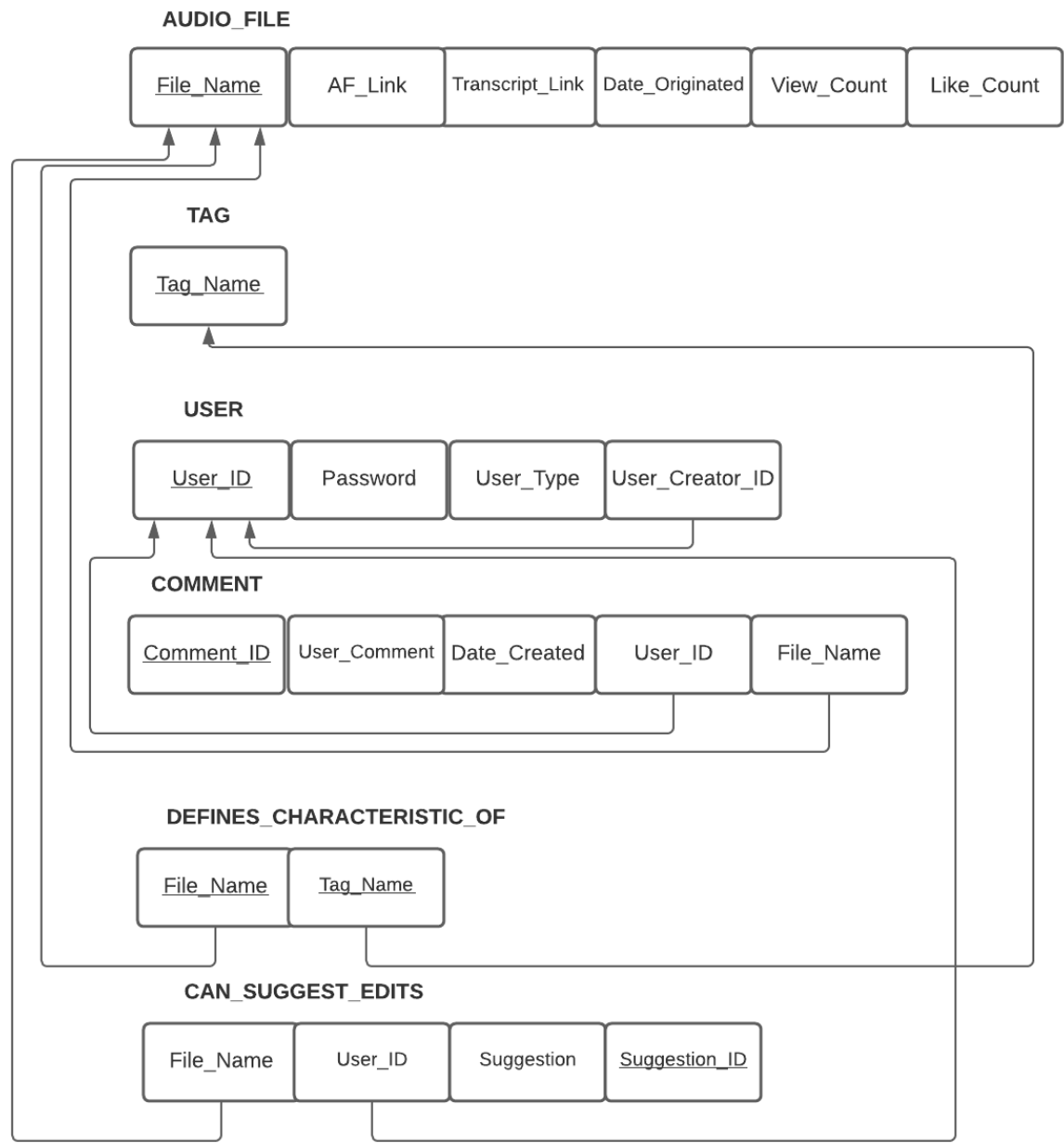
Relationships:

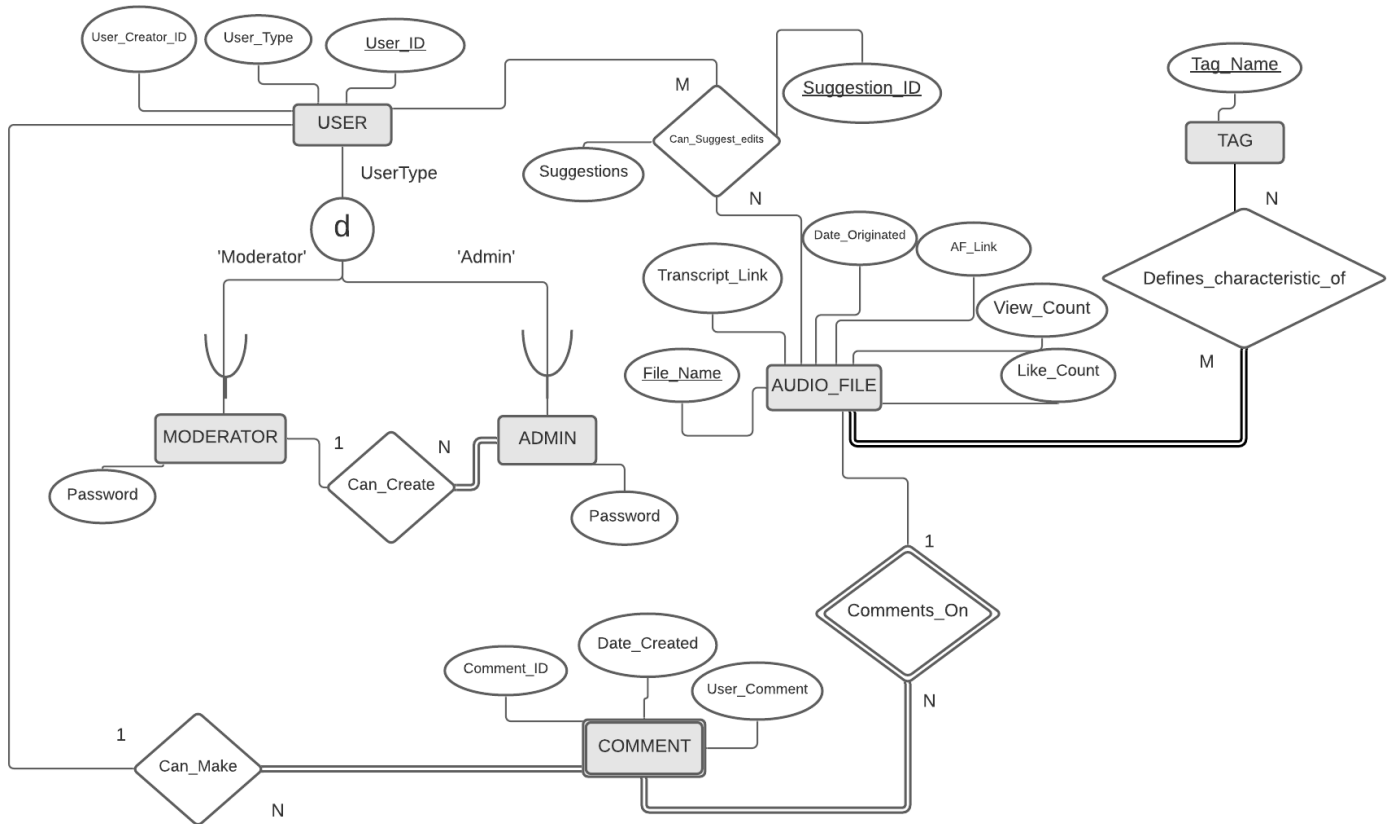
- Users CAN MAKE Comment
 - 1:N
- Comment COMMENTS ON Audio_File
 - 1:N
- Users CAN SUGGEST EDITS ON Audio_File
 - M:N
- Admins CAN CREATE A Moderator
 - N:1
- Tag DEFINES CHARACTERISTIC OF Audio_File
 - M:N



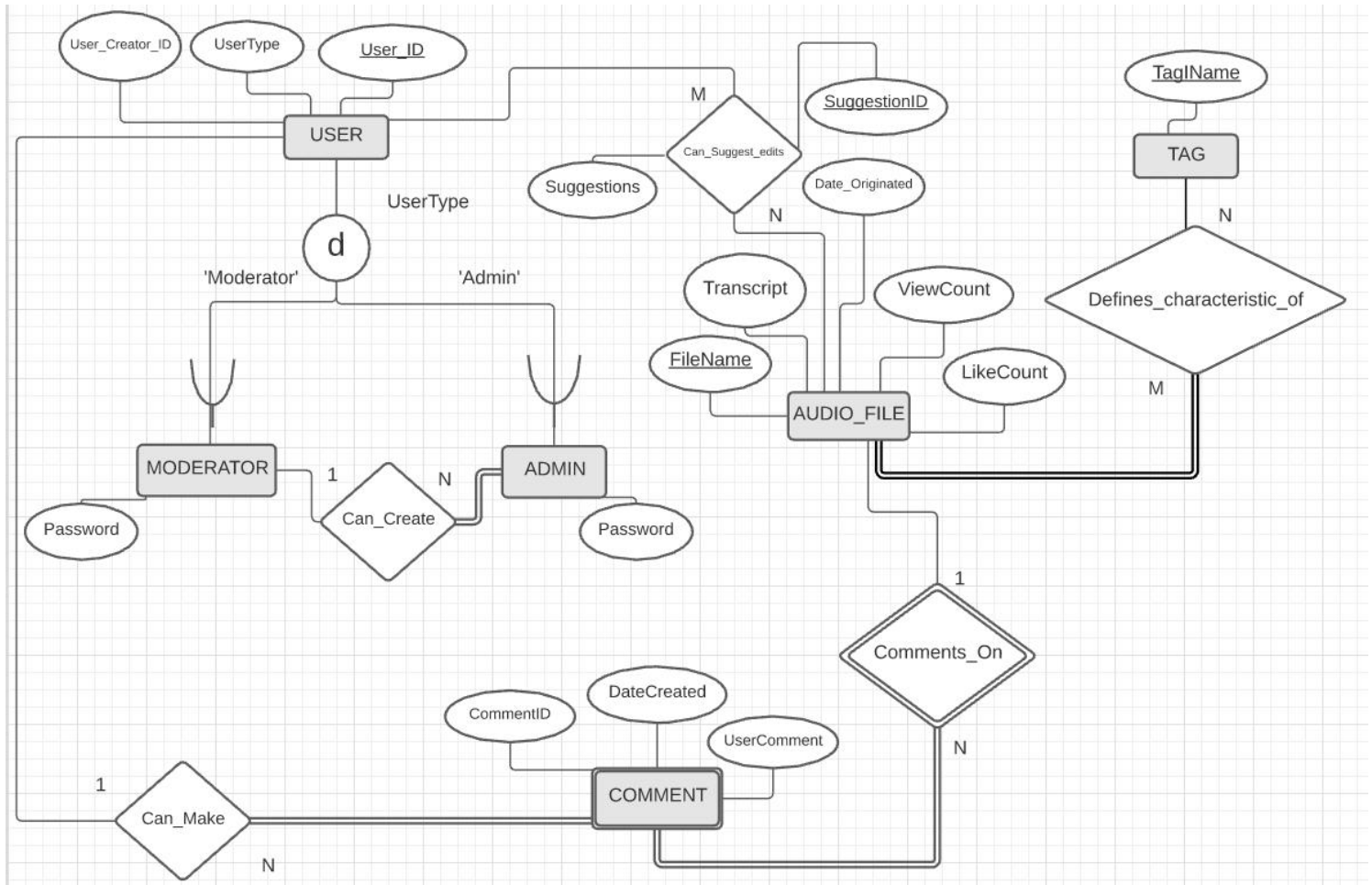


STAGE 5 Edits (4/11/21: Added underscore to all necessary attributes):





BEFORE STAGE 5:



AUDIO_FILE

| | | | | |
|-----------------|------------|-----------------|-----------|-----------|
| <u>FileName</u> | Transcript | Date_Originated | ViewCount | LikeCount |
|-----------------|------------|-----------------|-----------|-----------|

TAG

| |
|----------------|
| <u>TagName</u> |
|----------------|

USER

| | | | |
|----------------|----------|----------|-----------------|
| <u>User_ID</u> | Password | UserType | User_Creator_ID |
|----------------|----------|----------|-----------------|

COMMENT

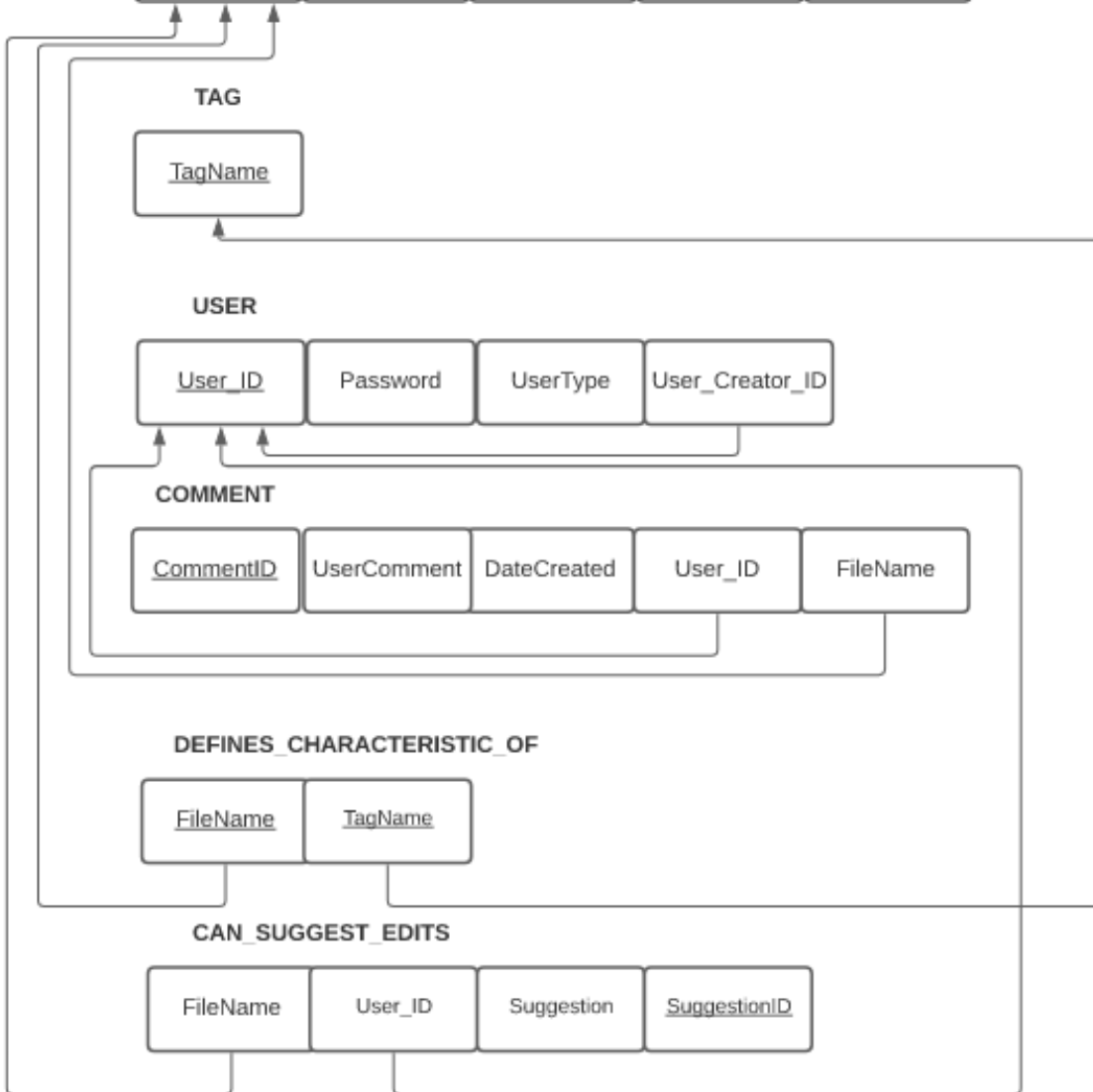
| | | | | |
|------------------|-------------|-------------|---------|----------|
| <u>CommentID</u> | UserComment | DateCreated | User_ID | FileName |
|------------------|-------------|-------------|---------|----------|

DEFINES_CHARACTERISTIC_OF

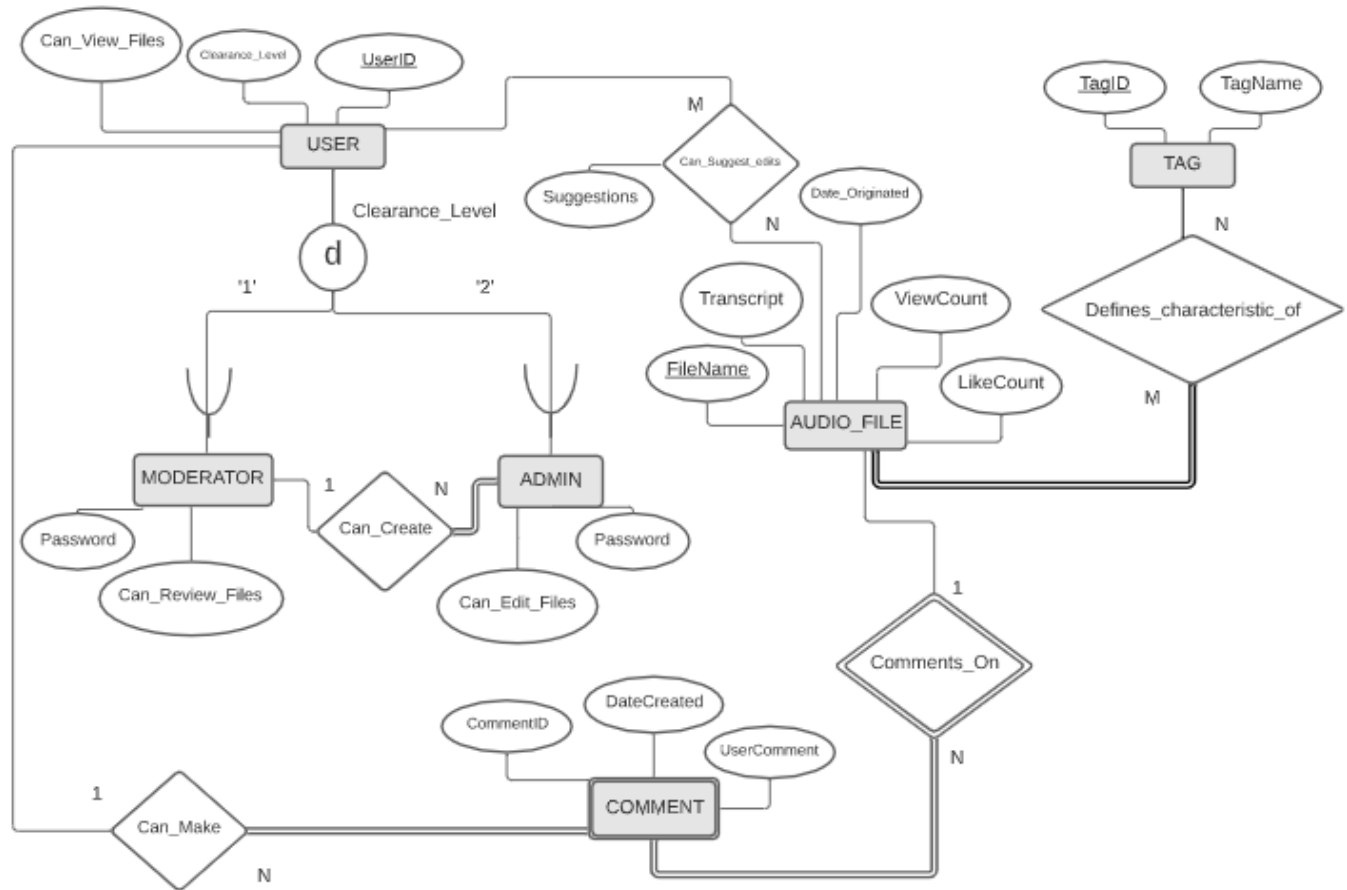
| | |
|-----------------|----------------|
| <u>FileName</u> | <u>TagName</u> |
|-----------------|----------------|

CAN_SUGGEST_EDITS

| | | | |
|----------|---------|------------|---------------------|
| FileName | User_ID | Suggestion | <u>SuggestionID</u> |
|----------|---------|------------|---------------------|



Old Diagrams (before Stage 4):



AUDIO_FILE

| | | | | |
|-----------------|------------|-----------------|-----------|-----------|
| <u>FileName</u> | Transcript | Date_Originated | ViewCount | LikeCount |
|-----------------|------------|-----------------|-----------|-----------|

TAG

| | |
|--------------|---------|
| <u>TagID</u> | TagName |
|--------------|---------|

USER

| | | | | | | |
|----------------|-----------------|----------|---------------|-----------------|---------------|-----------------|
| <u>User_ID</u> | Clearance_Level | Password | Can_View_File | Can_Review_File | Can_Edit_File | User_Creator_ID |
|----------------|-----------------|----------|---------------|-----------------|---------------|-----------------|

COMMENT

| | | | | |
|------------------|-------------|-------------|----------------|-----------------|
| <u>CommentID</u> | UserComment | DateCreated | <u>User_ID</u> | <u>FileName</u> |
|------------------|-------------|-------------|----------------|-----------------|

DEFINES_CHARACTERISTIC_OF

| | |
|-----------------|-------|
| <u>FileName</u> | TagID |
|-----------------|-------|

CAN_SUGGEST_EDITS

| | | |
|-----------------|--------|------------|
| <u>FileName</u> | UserID | Suggestion |
|-----------------|--------|------------|

