**DataBase Design of AudioCloud**

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| **Table 1: users** | | |
| **Column Name** | | **Details** |
| 1 | Id | (INT) (PK) User ID |
| 2 | username | (VARCHAR) Username of User |
| 3 | first\_Name | (VARCHAR) First Name of User |
| 4 | last\_Name | (VARCHAR) Last Name of User |
| 5 | email | (VARCHAR) User Email Address |
| 6 | password | (md5) User account password (md5 hash) |
| 7 | email\_Confirmed | (INT) Email is confirmed (1) or not confirmed (0 default value) |
| 8 | user\_Type | (VARCHAR) Default value: user, Admin for Admin, |
| 9 | account\_Approved | (INT) 1 for approved user to upload audio files on platform, (default value 0 for not approved) |
| 10 | date\_Joined | (VARCHAR) Date of Joining of User |
| 11 | last\_Login\_DateTime | (VARCHAR) Last Date and time of login of the user |

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| **Table 2: audioCategories** | | |
| **Column Name** | | **Details** |
| 1 | col1 | (VARCHAR) Quran, Recitation, Naats, Audio Lecture, Audio Notes, Sound Effect, Royalty Free Video |

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| **Table 3: playlist** | | |
| **Column Name** | | **Details** |
| 1 | id | (INT) (PK) playlist id |
| 2 | userid | (INT) user id which creates this playlist |
| 3 | playlistName | (VARCHAR) Name of playlist (default: “playlist1”) |
| 4 | creation\_Date | (TIMESTAMP) Date and time of playlist creation |
| 5 | audios | (VARCHAR) PHP array containing ids of audio files which user add in this playlist |

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| **Table 4: AudioBank** | | |
| **Column Name** | | **Details** |
| 1 | id | (INT) (PK) audio file id |
| 2 | userid | (INT) user id which uploads the audio file |
| 3 | userN | (VARCHAR) user first and last name to show the uploaded name on front end |
| 4 | title | (VARCHAR) Title of audio file (entered by user) |
| 5 | description | (VARCHAR) Description of audio file (entered by user) |
| 6 | remarks | (VARCHAR) something more about the audio file |
| 7 | filename | (VARCHAR) name of file with extension stored in the folder on the platform name “audioBank” |
| 8 | filetype | (VARCHAR) MP3, WMA, WAV, OGG, others |
| 9 | uploading\_Date | (TIMESTAMP) uploading date and time of file |
| 10 | category | (VARCHAR) Category of audio file which a user selects from the category table |
| 11 | public\_Private | (INT) 1 for public and 0 for private (default public) |
| 12 | audio\_Duration | (VARCHAR) duration of audio file |
| 13 | relevance |  |
| 14 | listen\_Count | (INT) how many times this audio file is listened |
| 15 | like\_Count | (INT) how many people like this audio |
| 16 | dislike\_Count | (INT) how many people dislike this audio |
| 17 | share\_Count | (INT) how many people share this audio file on social media |
| 18 | Approved | (INT) admin approve this post or not |