Spring Boot – Postgres application
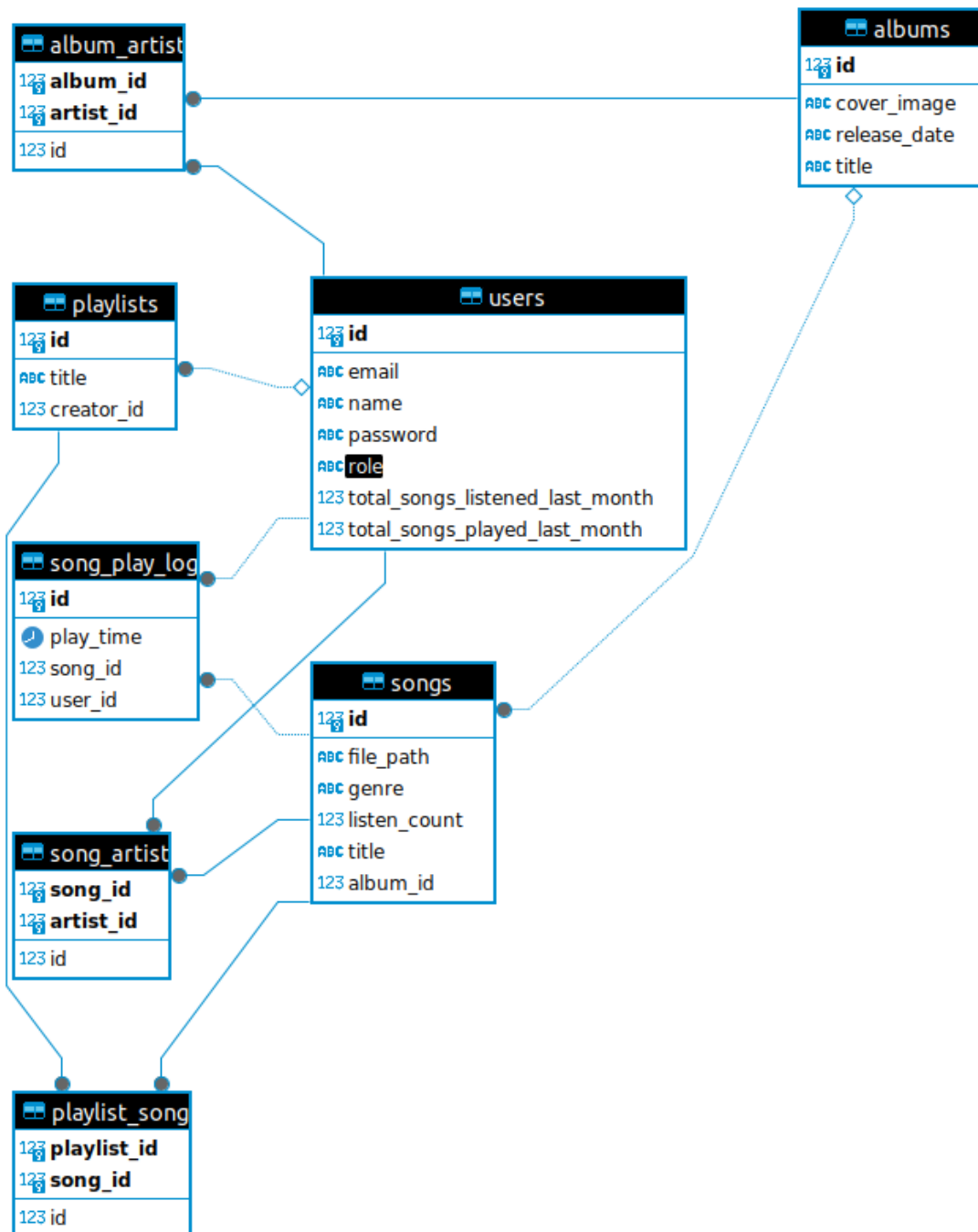
Schema

Project

A song storing and streaming platform like spotify

Tools

Java 17
Spring 3.x
Postgres

Storage

Songs and Album cover is stored in the file storage

The meta data is stored in the Postgres DB

Users
Role base authentication is used
1. Listener -> Sign up, login, create playlist. Add song to the playlist. View song
2. Artist -> Apart from the previleges of the listener, they can create album add songs to them and can colloborate with other artist for album or a song.

Authentication and Authorization
Spring starter security with JWT and RBAC

Cron Job
Since there is no data lake kind of feature used, A cron job is run for every month once to update the last month stream count for artist and listener and total count of the songs is updated