

Cuckoo

Database Systems II
University of Thessaly

Semester Work

Presentation of the project

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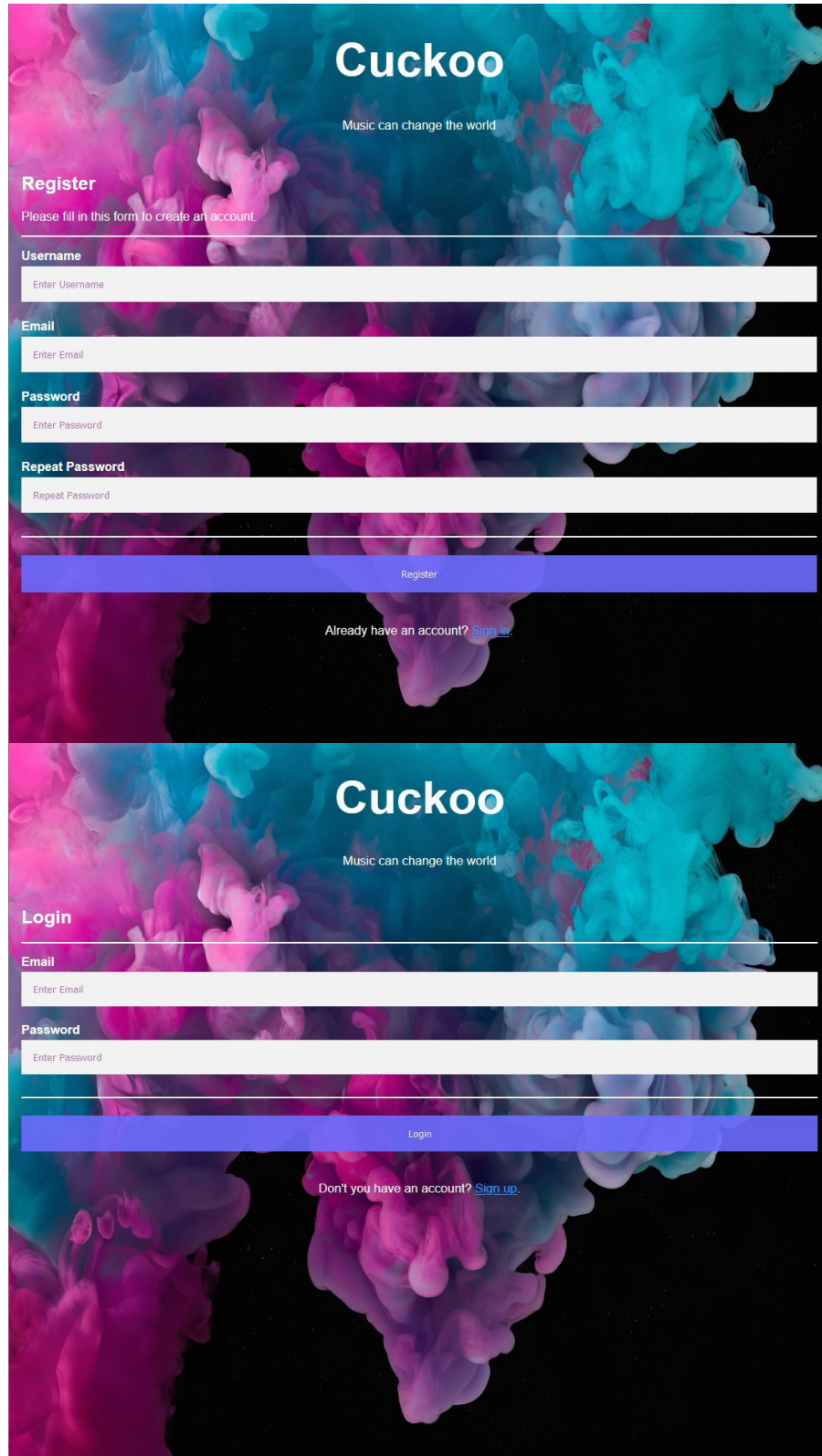
Project Description

This project is about implementing a website related to music industry. It's called Cuckoo and every user has to create his personal account. The homepage includes relevant announcements with the application but also news from the field of music. Its main goal application is to enable the user to create their own lists songs. The website is described in more detail below.

1. Registration - Login

User first needs to register on the website to be able to enter the home page. After registering user can log in with his code and his email. The connection and registration pages are presented in two pictures below.

Cuckoo



Cuckoo

Music can change the world

Register

Please fill in this form to create an account.

Username

Email

Password

Repeat Password

Register

Already have an account? [Sign in.](#)

Cuckoo

Music can change the world

Login

Email

Password

Login

Don't you have an account? [Sign up.](#)

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2. Home Page

The homepage is the first page that appears after the connection. Contains general and helpful user information about the application. It consists of the menu bar, a side panel that displays the target of the application and the main panel used for announcing.

The menu bar contains the tabs

- Home
- Library
- Recommended

and the Logout option on the right. Next to the Logout option it looks the username of the user.



Cuckoo

Finally, at the bottom left of the original there are social media icons for Contact.

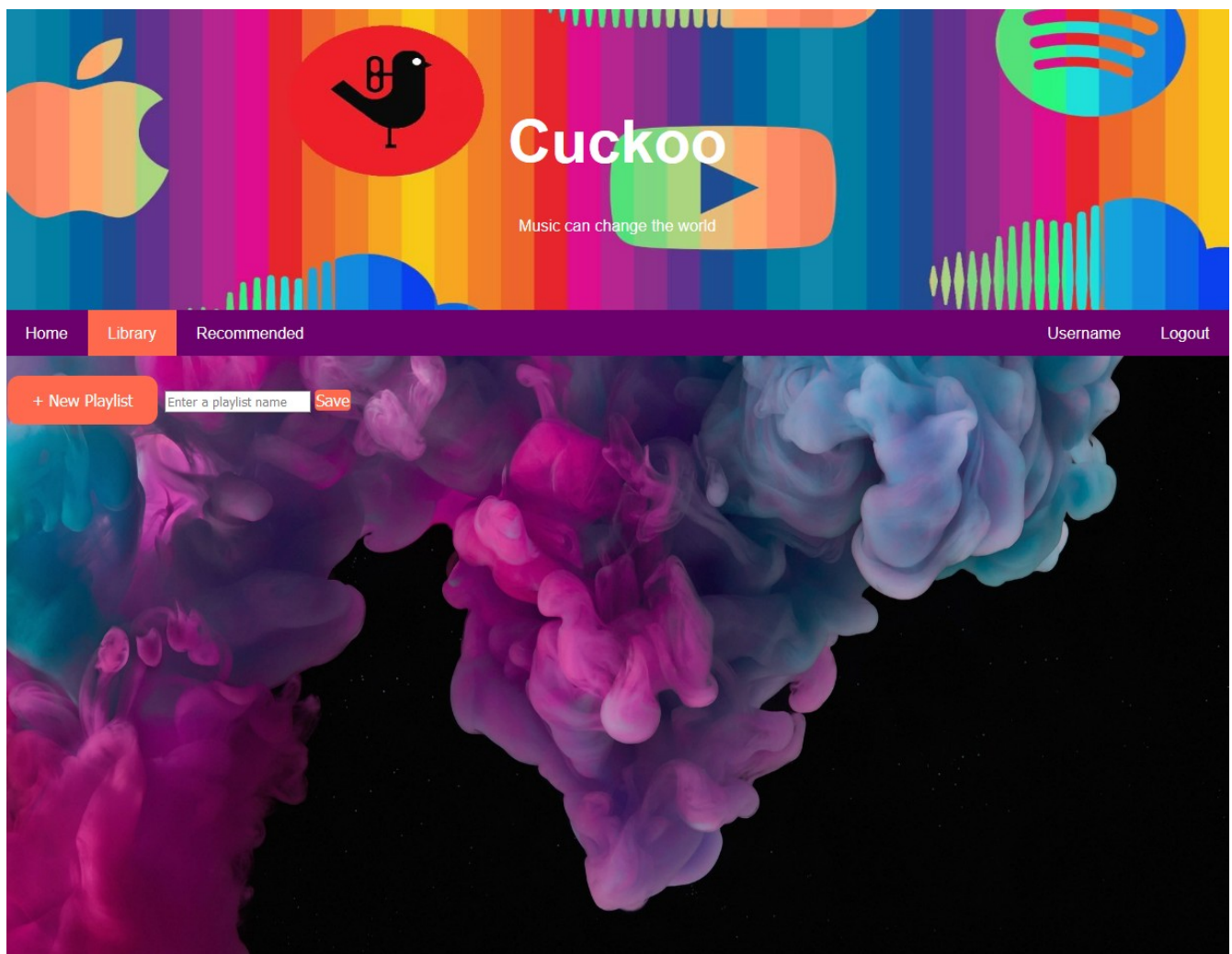


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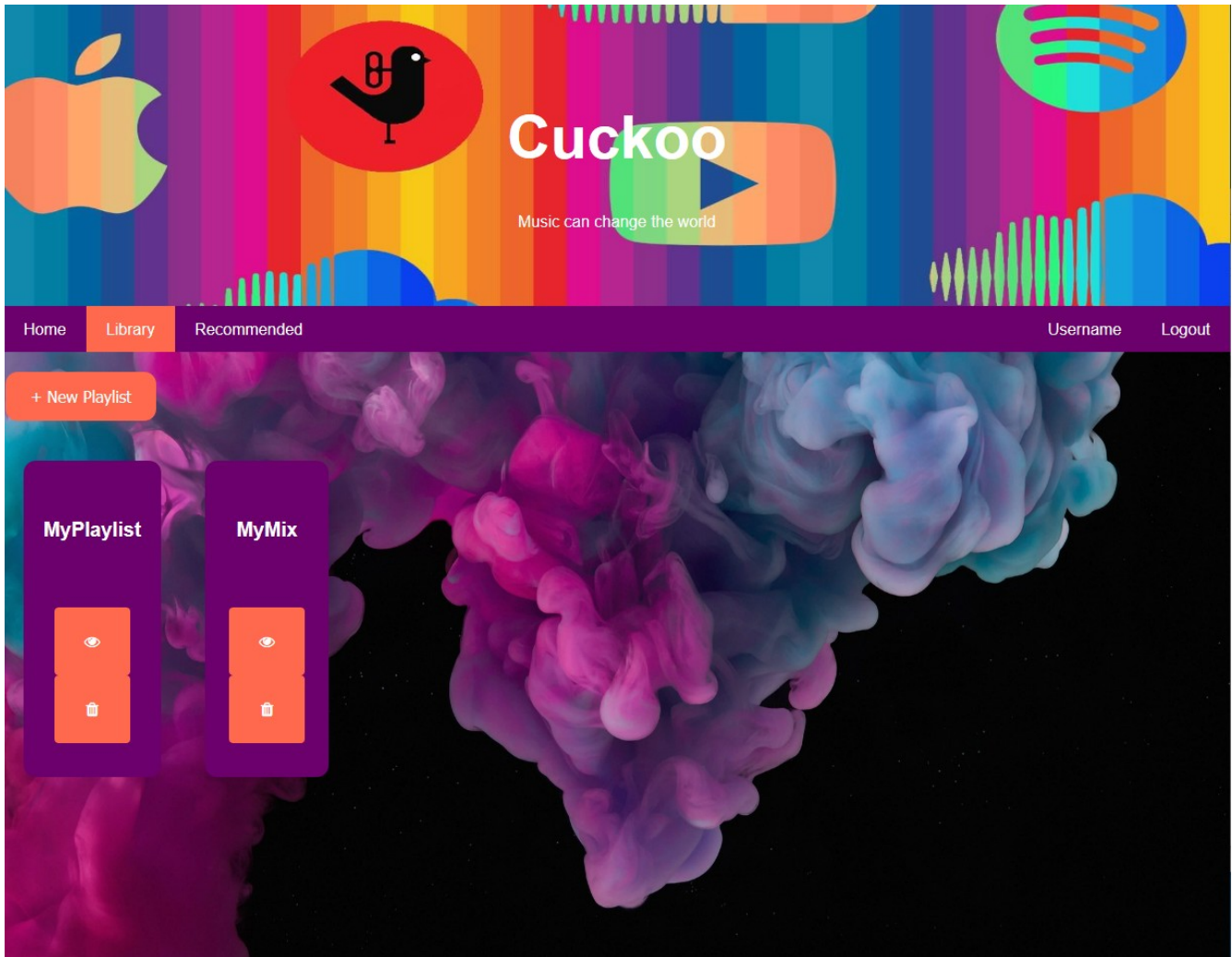
3. Library

The library is the user's collection of playlists created by him. Each playlist object is represented by a rectangle that includes the name of the list and two buttons. Each button represents an action.

- View button: redirects the user to the view page to see more information on this list.
- Delete button: deletes the list.



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4. Contents List of Songs

It is the page on which the user redirects when he presses the button view. This page displays the songs in this list. At the same time, it allows the user to add songs after first search in the search bar at the top right of the page but also remove any song on the list wishes.

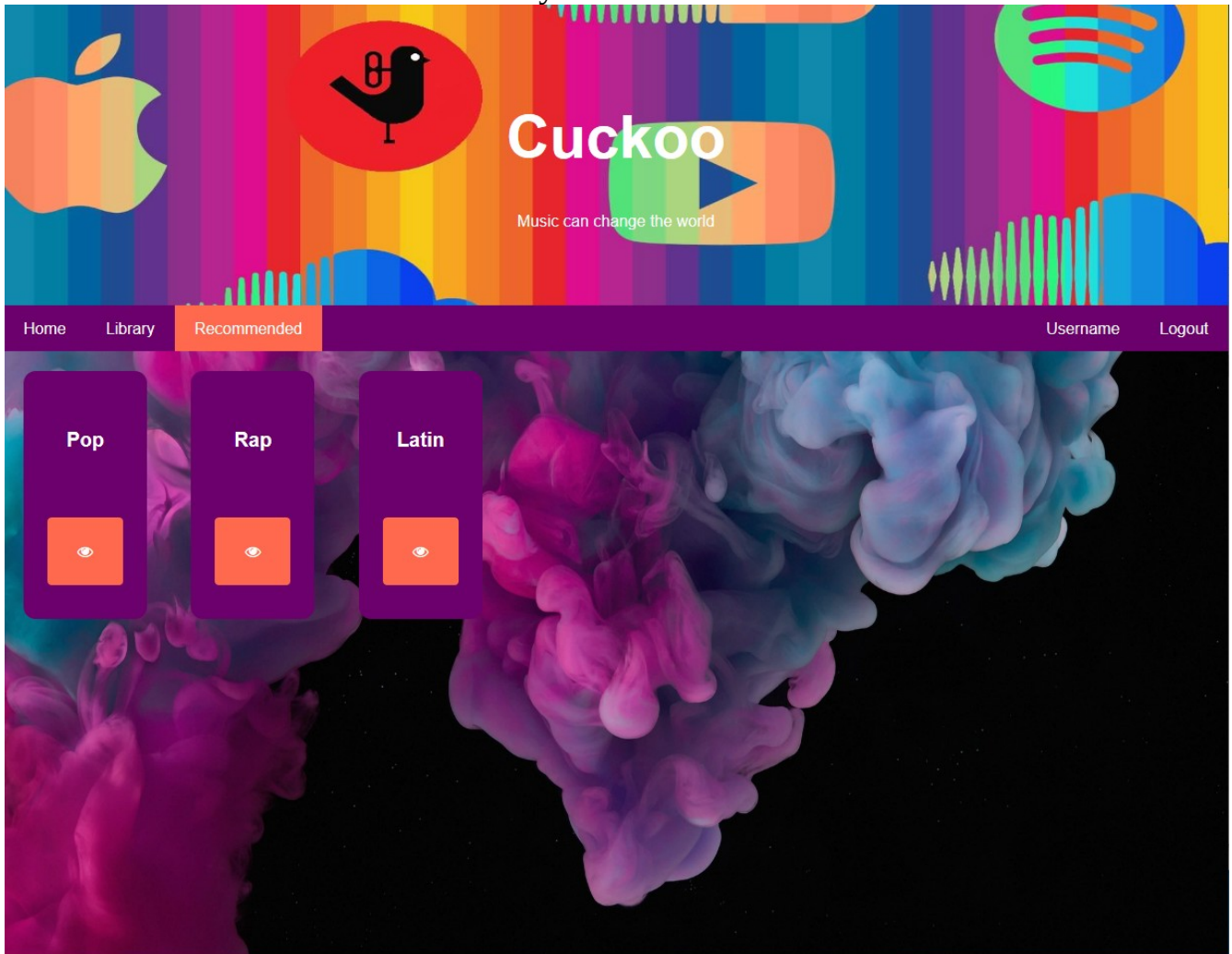
Cuckoo



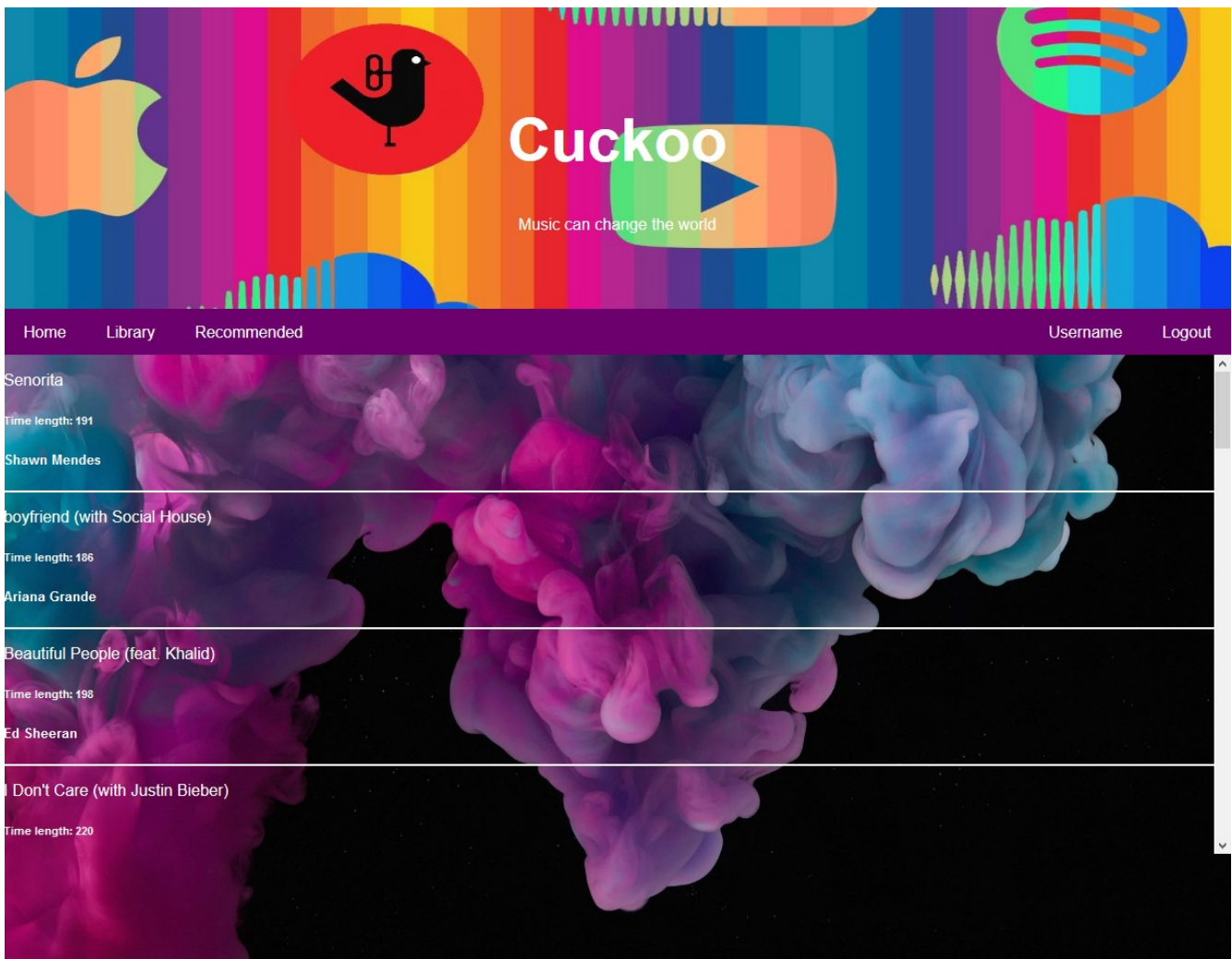
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5. Recommended Song Lists

This is another library, only in this case the lists have been created and suggested by us. As in the library tab, the name and two buttons are displayed in a rectangle with contents. The their functions are exactly the same.



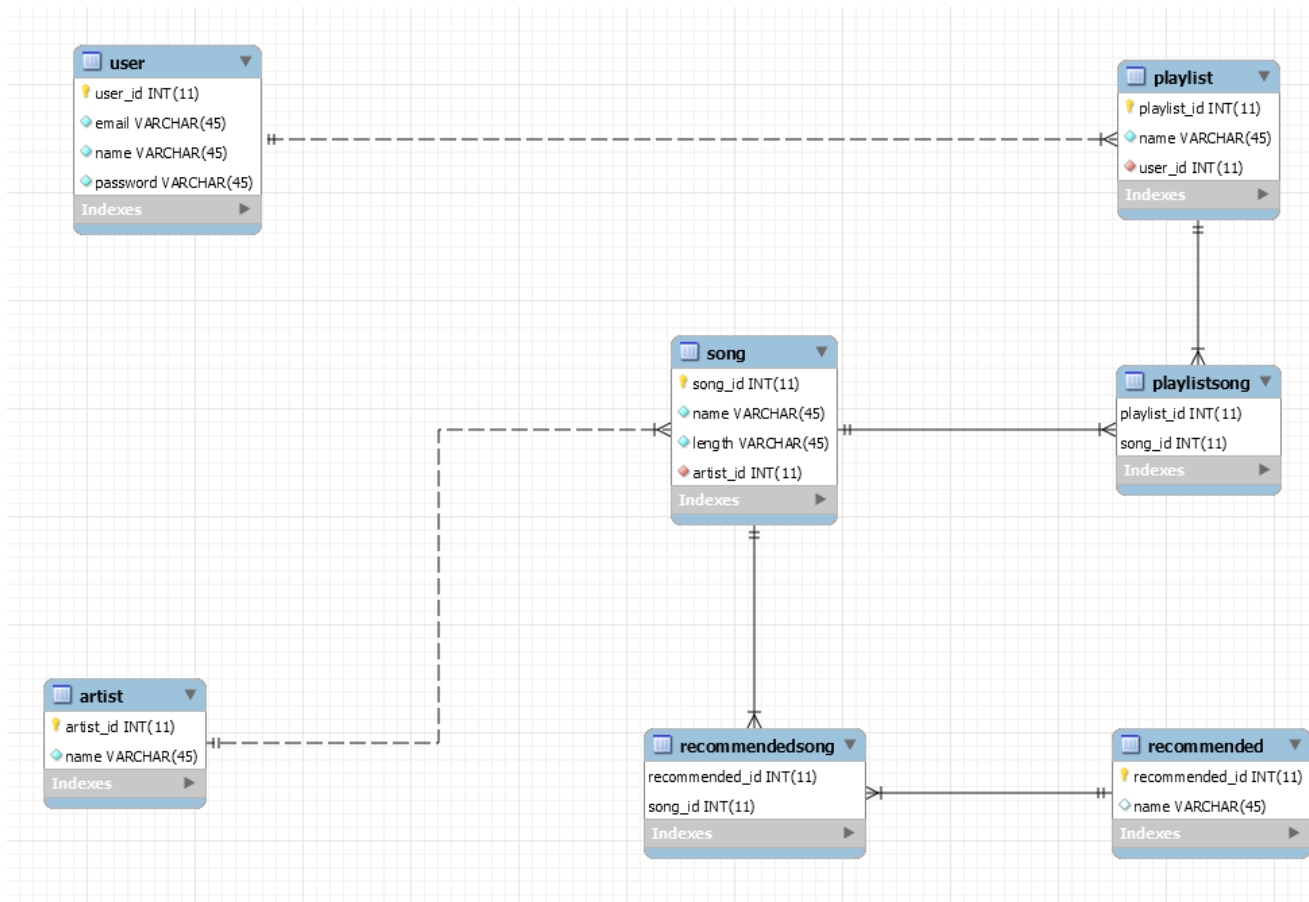
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6. The cuckoo base

The base of the application has been created in MySQL and the data has been taken from the top50.csv file in which are the best songs of the year 2019 of spotify. The shape of the base is shown in the image below.

Cuckoo



7. Tools used to implement the application and instructions for the installation

Eclipse was used as the code development tool where a Maven Project was created. Then we developed the .jsp, .css, .java files. To run someone the application should, after installing eclipse and MySQL, install a server on eclipse. The server used at project is apache-tomcat-9.0.27 and the java jdk-13.0.1 version was used as a library.