Large-scale and Multi-structured Databases

Communitunes
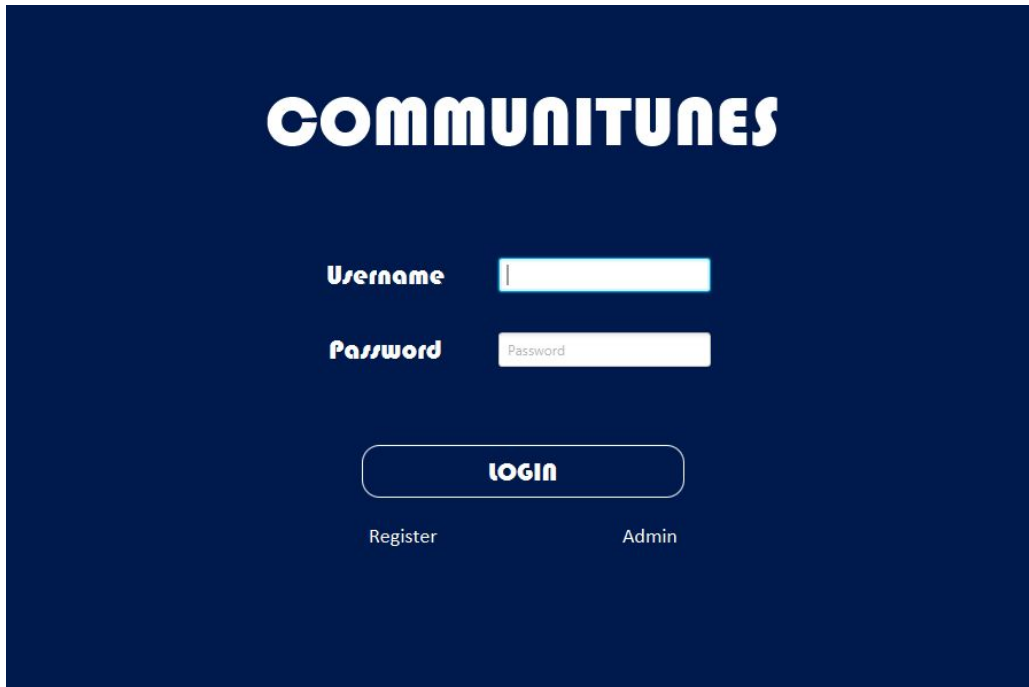The music-oriented social network

User Manual

GIADA BECCARI
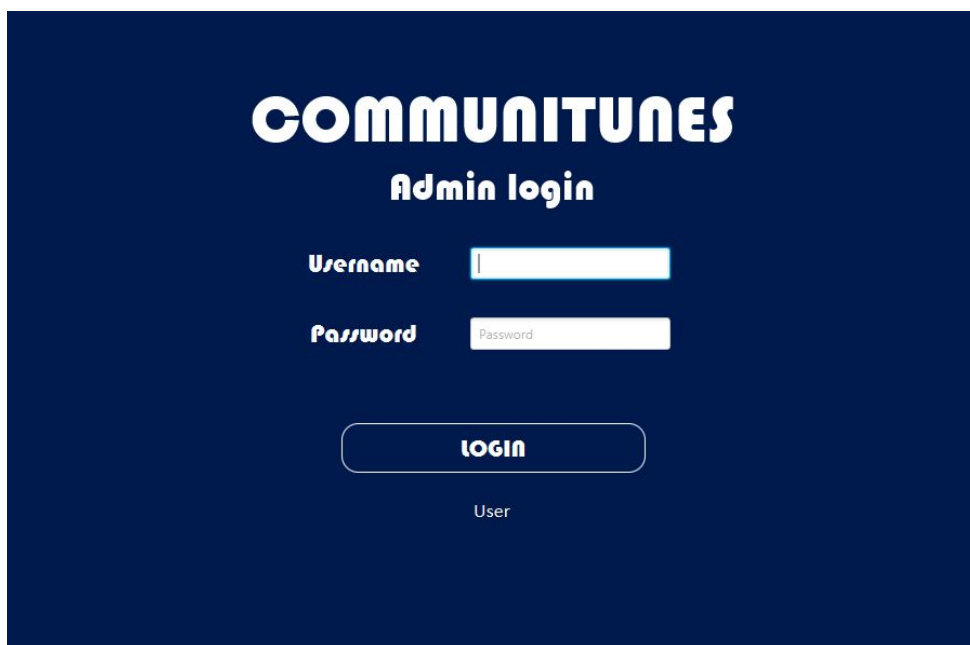*FRANCESCO DEL TURCO*
EMILIO VALLATI

How to use CommuniTunes

In the following document are shown all the pages and functionalities that a User, Artist or Admin can use in our application.

User Login page and Admin Login page

The login page is used by Users and Artists to log in the application using the credentials that they choose during the registration phase. Unregistered Users can open the registration page clicking on "Register", while Admins can access the Admin login page clicking on "Admin".

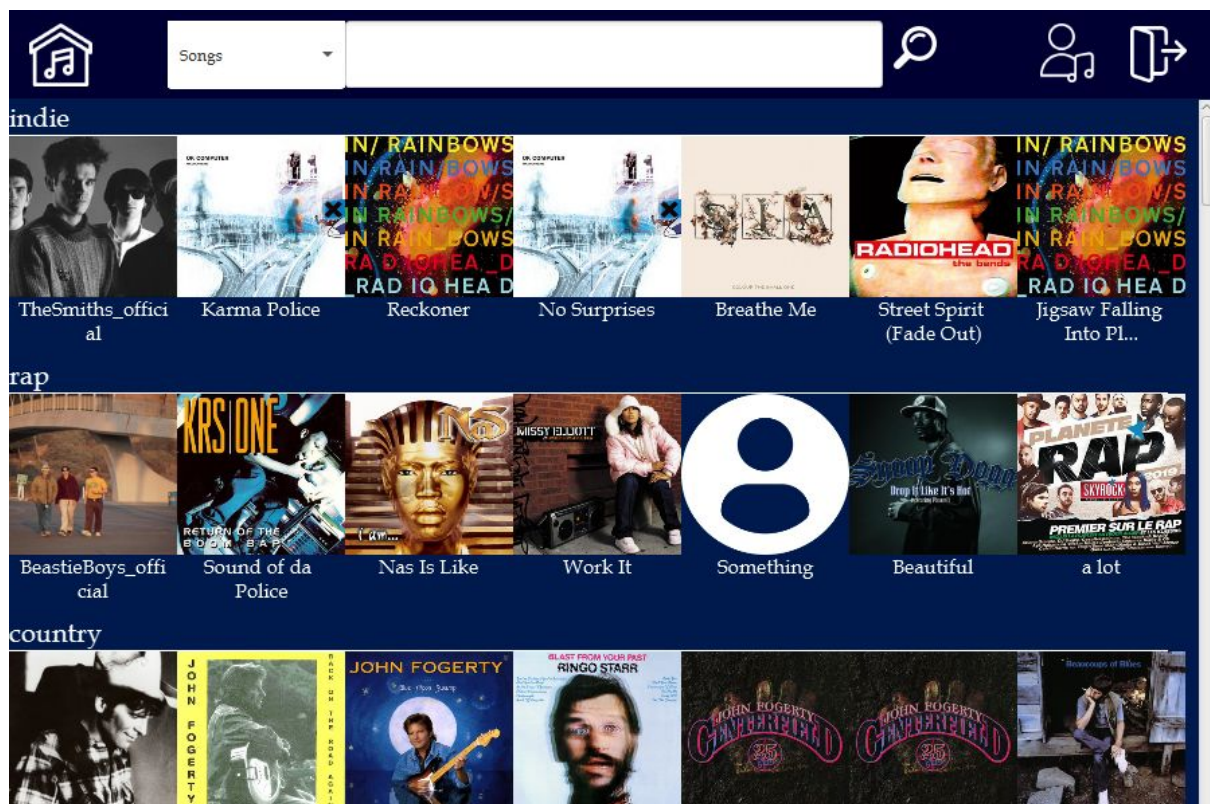**Registration page**

In the registration page, the Unregistered User can insert the fields to complete the registration or open the login page or the admin login page.
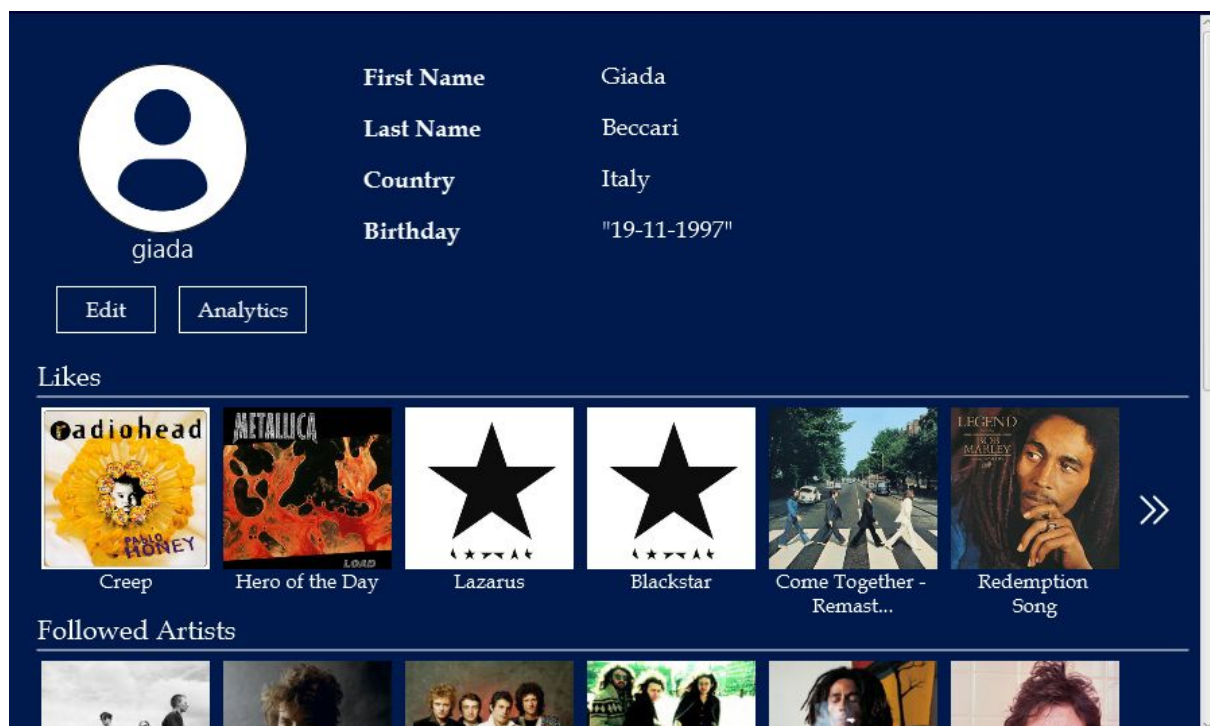
Homepage

Inside the homepage, the User can see lists of songs and artists for each genre, representing the most representative artist (first of the list) and the trending songs (rest of the list) for that genre. The User can scroll up and down to see all the different genres and the associated songs and artist: clicking on one of the artists will bring the User to the artist's profile page, while clicking on a song will bring the User on the song's page (this happens in all the pages where previews are shown, and clicking on a user's preview will bring the User to the user's page).

Inside the application, we'll always have a top bar with the following fields (not included in the following pictures):

- Homepage button: on the top left, that brings the User to the homepage when clicked;
- Search bar: where a user can write the title of a song, a username (of either an artist or a user) or the stage name of an artist to be searched (or a portion of them), selecting also what they are searching from the dropdown menu on the left of the bar;
- Search button: starts the search process when clicked;
- Profile button: sends the User/Artist to their profile page;
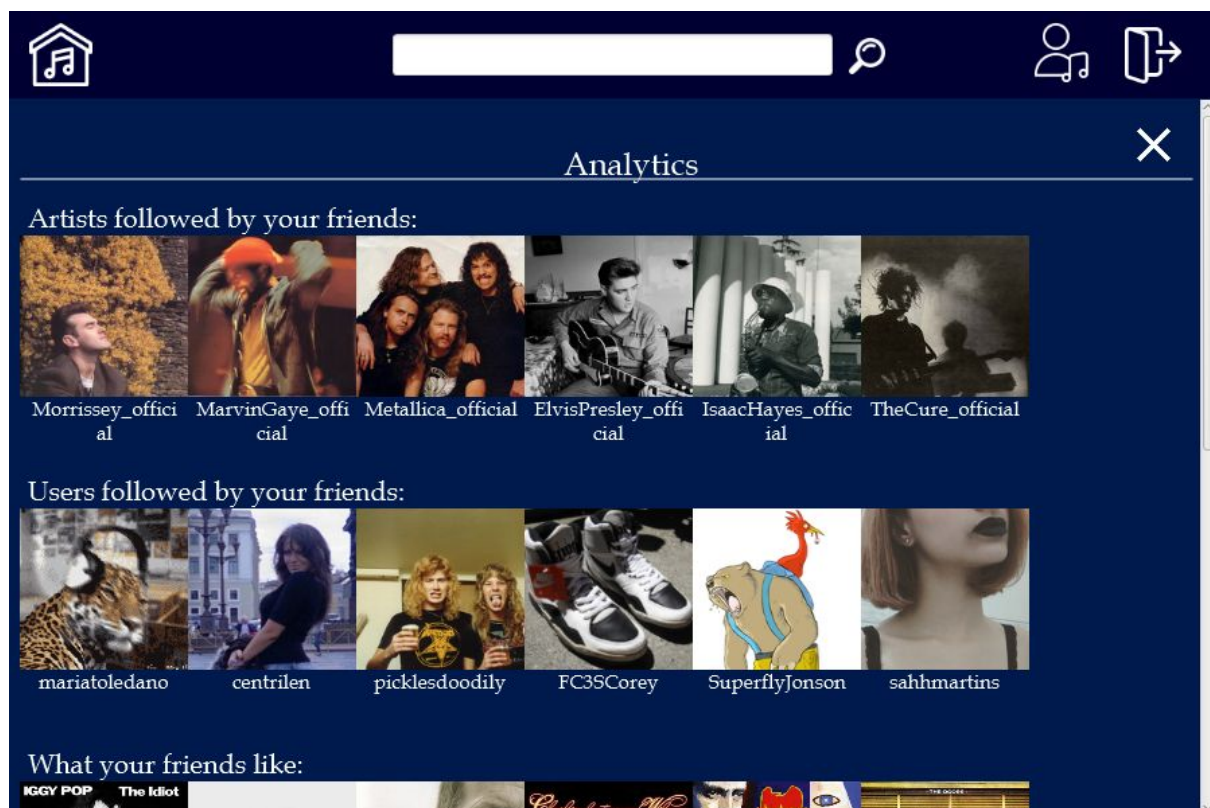- Logout button: logs the user out of the application.

User's profile page

Inside the User's own profile page, the User will be able to see its own image and the information they decided to show. The User can open the analytics page clicking on the "Analytics" button or the page to change profile information by clicking on "Edit". In this page, the User can also see some lists, in particular a list of liked songs, a list of followed users and artists and a list of artists and users that follows the User. By clicking on the arrows on the right

of the list, the User will be able to see the full corresponding list.

Inside another user's profile, the User can see all the previous information, except that the button "Edit" and "Analytics" are substituted by a "Follow" button, in case the User is not following the focused user, or an "Unfollow" button if the User is already following the focused user. Following a user/artist will make them visible in the corresponding list of followed and the analytics will be computed considering their presence as well. On other user's profiles, a "Report" button is shown to report that user.
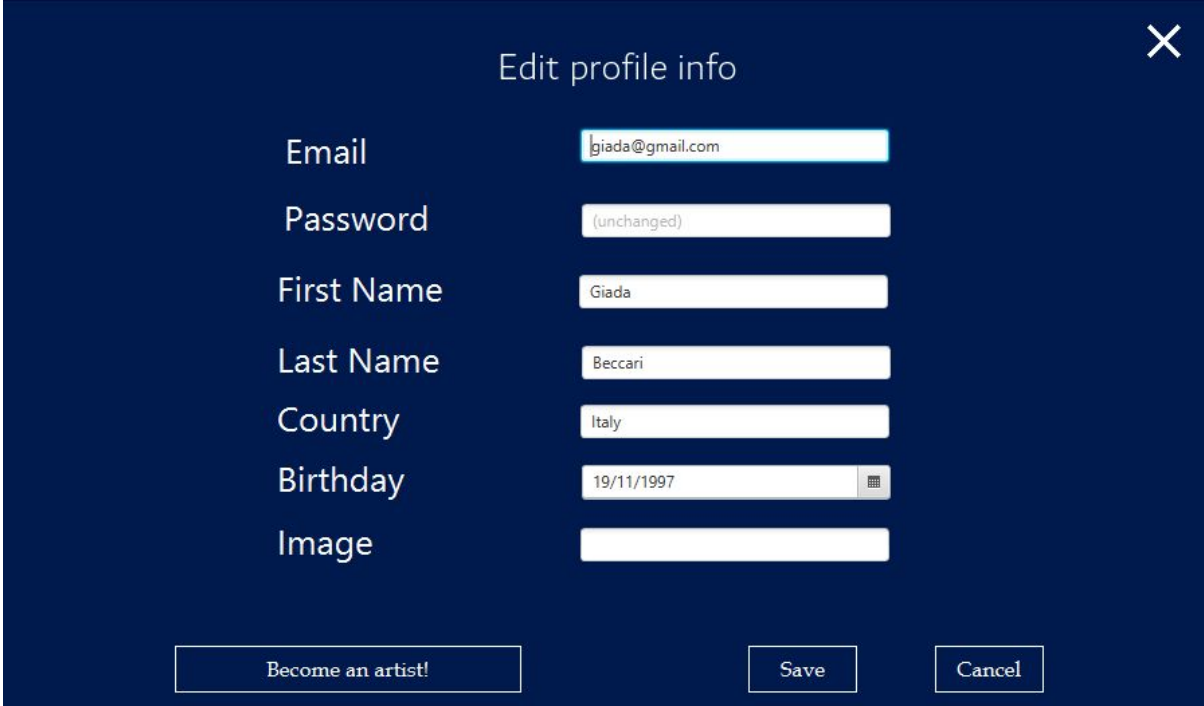
User's analytics page

In this page, the User can see some lists with suggested artists, users and songs, based on the User's followed users, liked songs and followed artists.

User's edit page

In this page the User can change the information connected to their account. The fields are automatically filled when opening the page with the current values they hold. The "Save" button saves the inserted profile information: if a field is blank, the corresponding information is not shown and erased from the database if present. The "Cancel" button reset all the fields to their default value (equal to the starting value) and has the same use in all the following pages. The "Become an artist!" button allows the User to request an upgrade of their account to

become an artist account, passing through the Request page. The "X" button on the top right brings the User back to their profile and is used in this way in all the following pages.
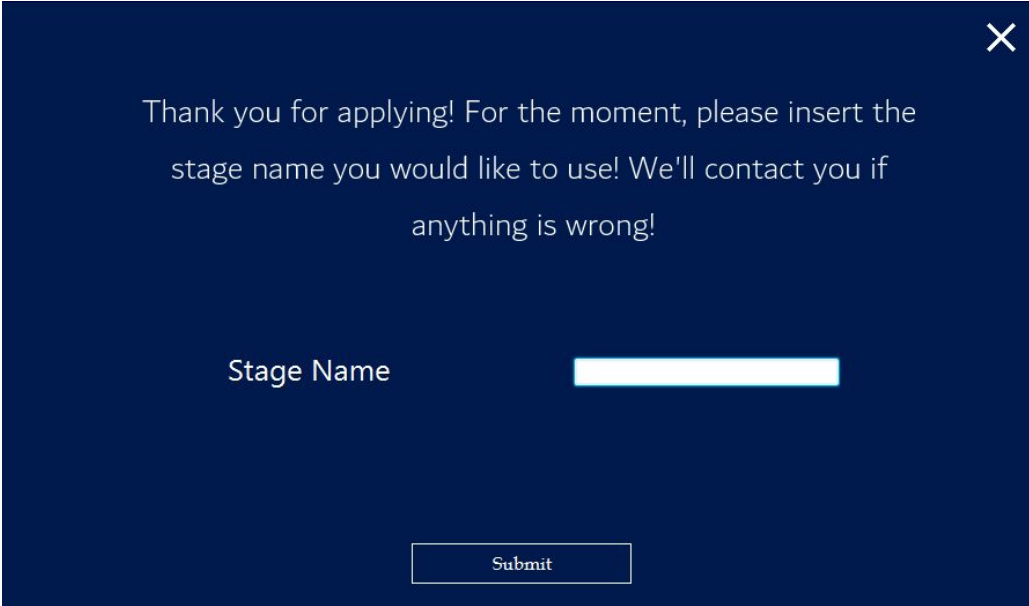

Request Page

In this page, the User can fill a field with the desired stage name they want to use and send a request clicking on the "Submit" button: if the stage name is already used, if the field is left blank or if the User has already sent a request to become an artist, an error message appears.
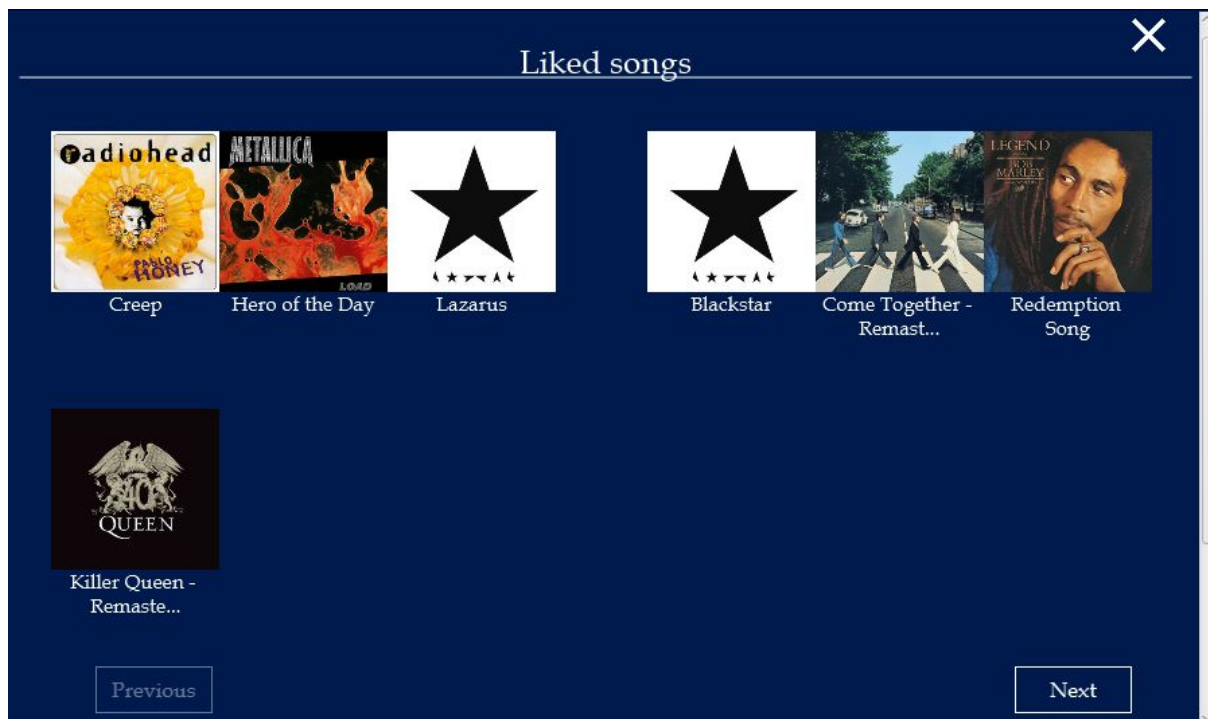

Pages with lists (of songs, artists or users)

The pages as the one above, that can be opened from a user's profile by clicking on the ">>" button on the right of the "Likes" list, all share the same behaviour, so they're all summarized here. In these pages, the User will be able to see a list of songs, users or artists, depending on the list they chose to open: in this page, the User will be able to see up to 54 previews and travel to the corresponding pages when clicking on one of them. If there are more than 54 entities connected to that list, the User is able to see all of them by clicking on the "Next" button, that will show other (up to) 54 previews. If the User is in a page that is not the starting one, he can go back and see the previous previews by clicking on the "Previous" button.

Artist's profile page

Inside the Artist's own profile page, the Artist can see the information inserted, in particular the active years (if present), the websites and a biography (for this one, clicking on the button "Read more" will show the full biography). In this page, a User will be able to see the Releases of the artist and all the information displayed for a normal user as well. Clicking on the arrows to the right will show the full list of songs released by the artist. In their own profile, an Artist will be able to see three buttons other users can't see:

- The "Edit" button allows the Artist to go to the Artist's edit profile page, in which they can change the information connected to their account;
- The "Analytics" button will open the artist's analytics page, having the same analytics that the a normal user have plus some more that are shown later in this document;
- The "+" button next to the "Releases" list, allowing the User to upload a new song.

Other users are not able to see these buttons, since they will just see a "Follow" or "Unfollow" button where the "Edit" button is placed.

Add new song page

On this page, an artist can add a new song to their releases. To add a new song, it is mandatory for the Artist to add at least the title, that does not have to be unique inside the database: all the other information can be added in a second moment. The song is added by clicking on the "Add" button.

Artist's edit profile page

Artist's analytics page
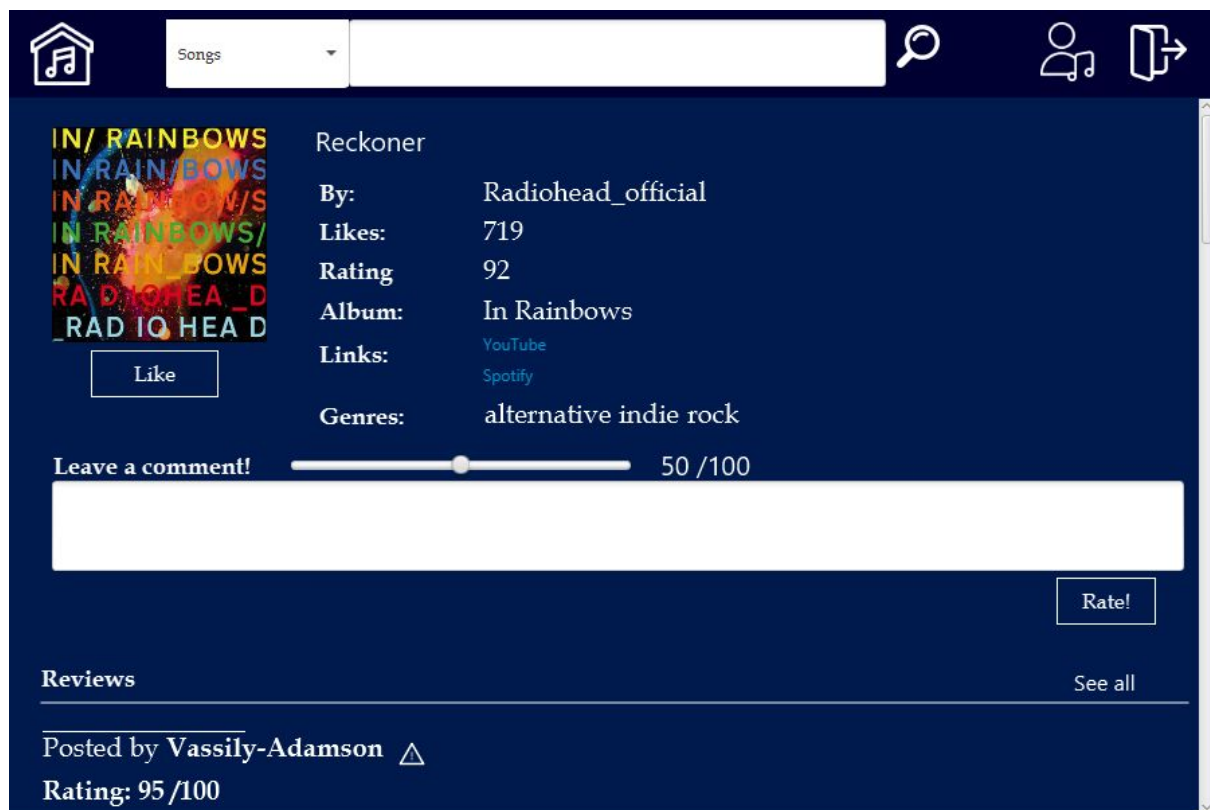

In this page, the Artist will be able to see personalized analytics on other artists, their top fans and their popular songs, in addition to the analytics shown also to normal users.

Song page

Inside this page, the User can see the information regarding a particular song. They can also decide to like the song or leave a review, with a numerical review from 0 to 100 (mandatory) and an optional textual review. Once the review is compiled, the User can submit it by clicking on the "Rate!" button. The User is also able to click on the "Like" button to add the song to their liked list; if already present in such list, the "Like" button is substituted by a "Dislike" button.

Under the song's information, the User will be able to see a partial list of reviews, that can be expanded by clicking on the button "See all" on the right. For each review, the User will be able to see the username of the User that posted the review, the rating given with the review and the textual comment if present. For reviews with textual comment, a "Report" button is available right next to the name of the reviewer, allowing the User to report the reviewer for inappropriate comments.

Song's edit page

In this page, an artist can change the information about a song they perform, similarly to how it is possible for a user or an artist to change their profile information in the corresponding pages. The button "Delete" allows the Artist to delete the selected song from the database.
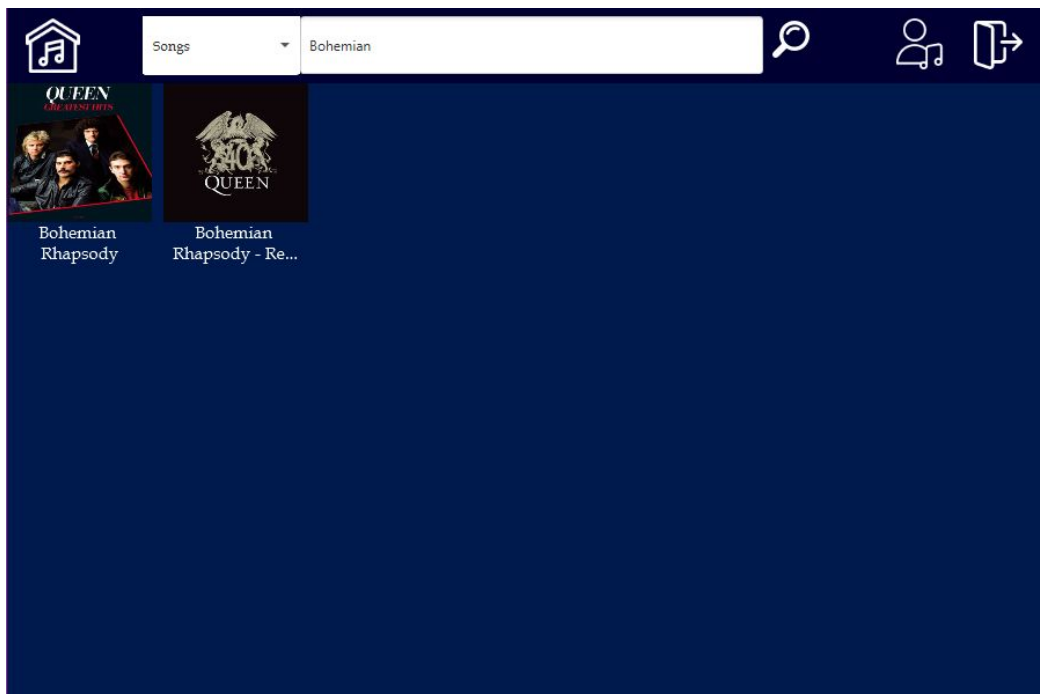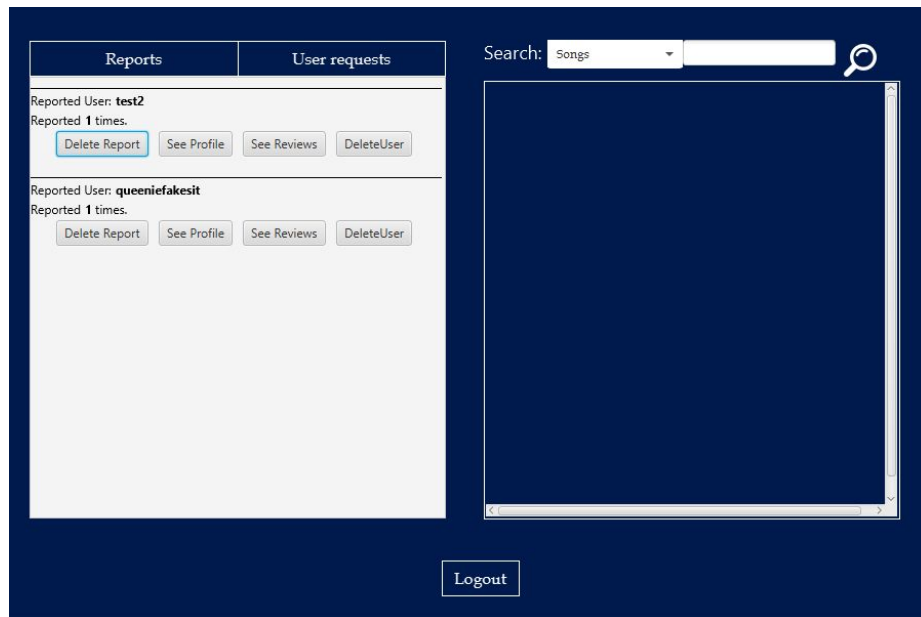
Reviews page

In this page, the User will be able to see all the reviews posted about the correspondent song. As in the previous page, they will be able to report textual comments if considered inappropriate. The page will show up to 25 reviews : to see subsequent reviews, the User will be able to click on the "Next" button, while to see the previous 25 reviews they can click on the "Previous" button.
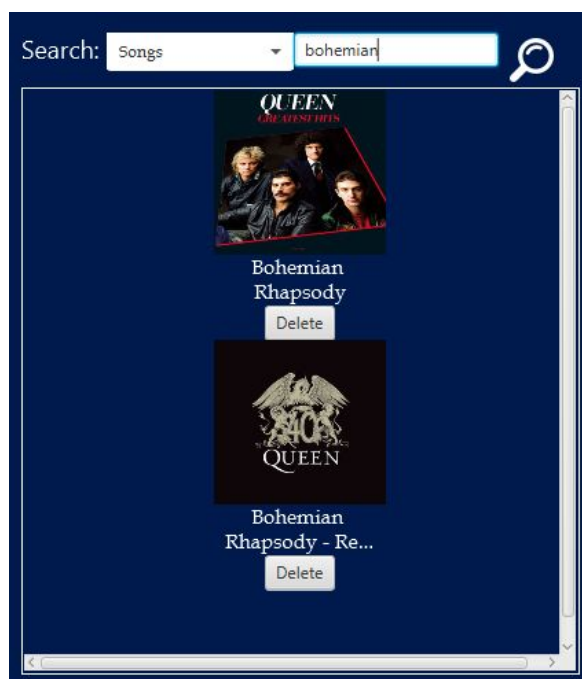
Search results page

In this page, the User will be able to see the results of the search operation requested. It is not mandatory to insert the full title of a song, as well as the full username of a user or the full stage name of an artist and the search is case insensitive. To access the result wanted, the User has to click on the correspondent preview.
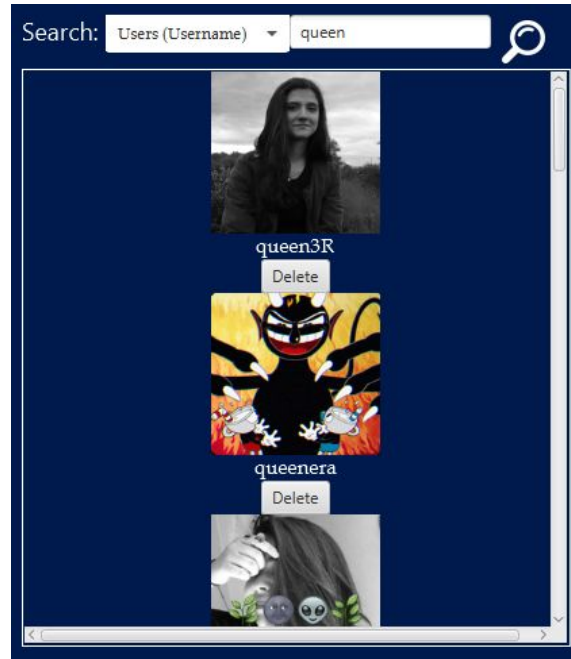
Admin Guide

The Admin homepage doesn't have the layout on the top as the normal application. It is divided in two sections: in the left section, the Admin is able to check existing reports and requests from users to upgrade their account to an Artist account; in the right section, the Admin will be able to search for:

- Songs, using the title of the song (no need for it to be the full title, case insensitive). In this case, a list of song previews with the specified portion of title will be shown inside the panel on the right and by clicking on a review a new scene will be opened with the song's page;
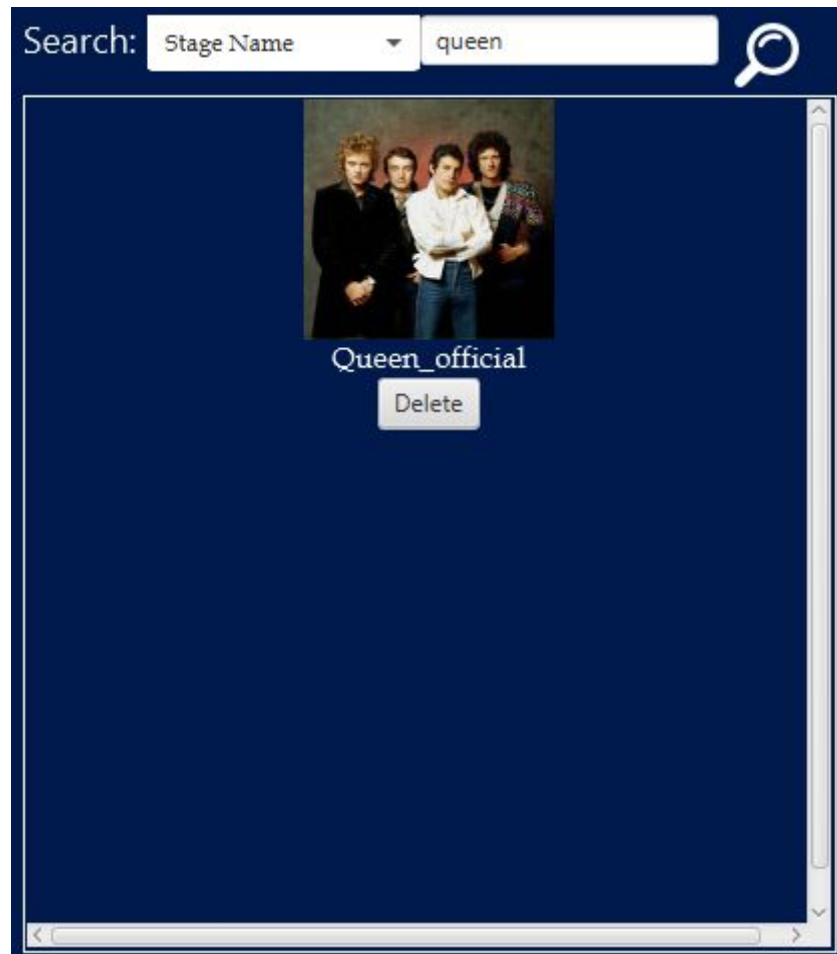
- User, using the username (no need for it to be the full username, case insensitive). A list of user previews will be shown and can be scrolled; by clicking on a preview, a new scene will be opened showing the user's profile. It is also possible for the Admin to delete a user by clicking on the delete button under the correspondent username;

- Artist, using the username (no need for it to be the full username, case sensitive). A list of artist previews will be shown; by clicking on a preview, a new scene will be opened showing the artist's profile. It is also possible for the Admin to delete an artist by clicking on the delete button under the correspondent username;

- Stage name, using the stage name of an artist (no need for it to be the full stage name, case insensitive). A list of artist previews will be shown; by clicking on a preview, a new scene will be opened showing the artist's profile. It is also possible for the Admin to delete an artist by clicking on the delete button under the correspondent username;
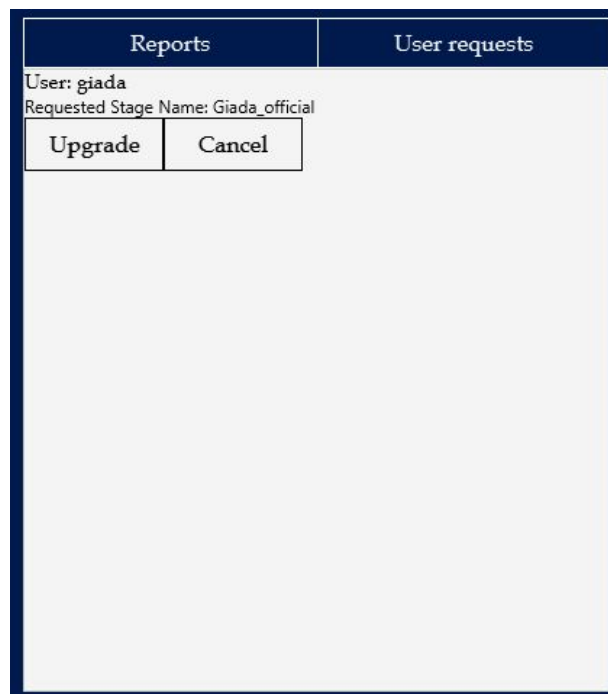

- Reviews, using the username of the user who posted the reviews. In this case, the search requires the full username and is case sensitive. A list of reviews will be shown and it will be possible for the Admin to delete a review by clicking on the "Delete review" button.

In the section on the right, the Admin can check existing reports towards users and the number of reports they collected; it is also possible to either delete a report, delete the reported user from the database, see the profile of the reported user (in this case, a new scene will be opened with the user profile) and see the reviews made by the user (that will be shown inside the right panel).

By clicking on the "User requests" button on the top of the left panel, a list of requests from users to upgrade their account will be shown.

It will be up to the Admin to decide if the request should be accepted, by clicking on the

"Upgrade" button, or declined, by clicking on the "Cancel" button.

User's page opened by an Admin

In this page, the Admin will be able to see the selected user's profile, complete with all the information that any user can see. The Admin won't be able to follow/unfollow, but they will be able to navigate inside the user profile and outside of it by clicking on the previews shown in the profile.

Artist's and song's page opened by an Admin behave the same: in the first case, the Admin won't be able to follow/unfollow an artist or check their analytics; in the second case, the Admin won't be able to access like/dislike a song or leave a review.