



Code Project – Artist Search Engine (Front End)

Duration	~2 hours
Skills	Frontend

The goal here is for us to get a better idea of the way you approach solving problems and the technical skills you possess. We've tried to make this project enjoyable, so have some fun with it!

Requirements

The project entails build a React application for searching a database of artists via a REST API. The application should be built as a single-page app and routing should be employed so that the user may leave and return to the application via the current URL.

The applications should allow a user to:

- Search for artists who play a particular genre of music
- Add an artist from the results to a list of their favorites and then later navigate to the list
- Click on an artist to see more details about that artist as well as related artists
- Navigate between all three views

The application should have three main views, as described on the following pages. For each view there are basic wireframes showing the basics of what the page should look like and demonstrating the functionality.

There are endpoints for any of the data you might need for the application (detailed in the REST API documentation).

Feel free to be creative in your styling! Though not the primary aim of the project, CSS skills (both engaging in good practices as well as breadth of knowledge) are also something valued in this role.

Submission

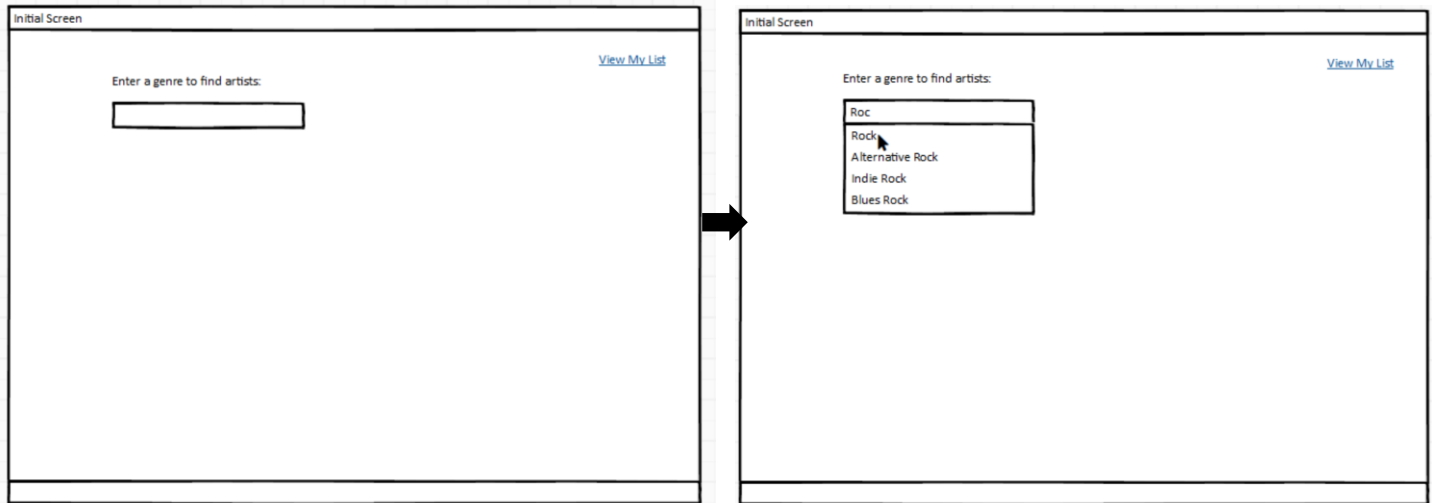
When you submit the project, as an archive (tar, zip, etc.), make sure to include a basic README that will allow us to run your app without any issues.

Additionally, please include a built version of your project that will run statically via a web server (like it would in production).

Views

Genre Search View

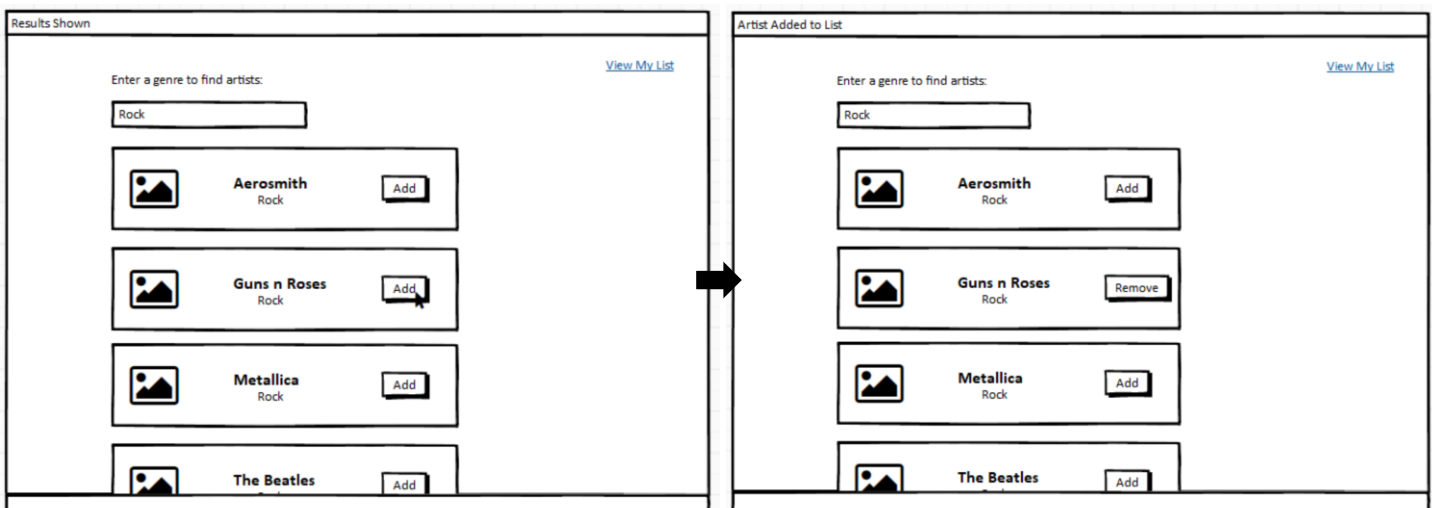
The main view should present the user with a way to search for a musical genre. Genres matching the query should then be displayed in a list.



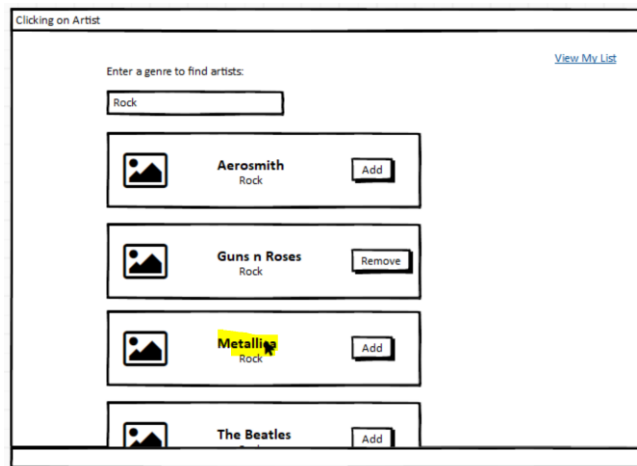
When a user clicks on a genre they should then be presented with a list of artists matching that genre. Each artist displayed should show the following information:

- Name
- Image
- Primary genre (if an artist has more than one primary genre you can choose one to display)

For each artist, there should be a **button** for adding that artist to a saved list.



Clicking on the artist name in the should result in taking a user to the artist detail view:

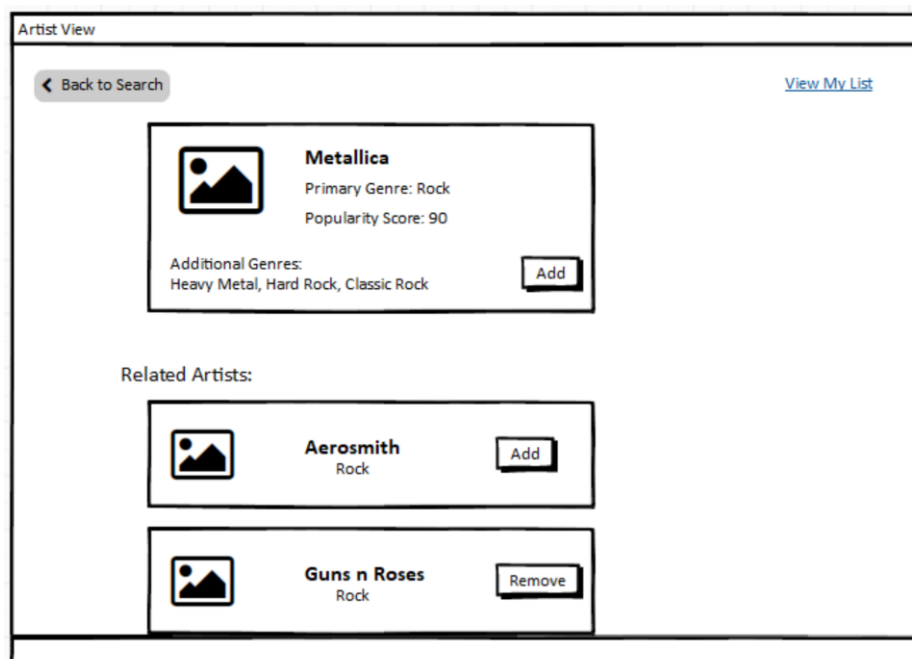


Artist Detail View

The artist detail view should show a more detailed view of the artist and include the following fields:

- Name
- Image
- Additional genres (if any others are available for that artist)
- Popularity score

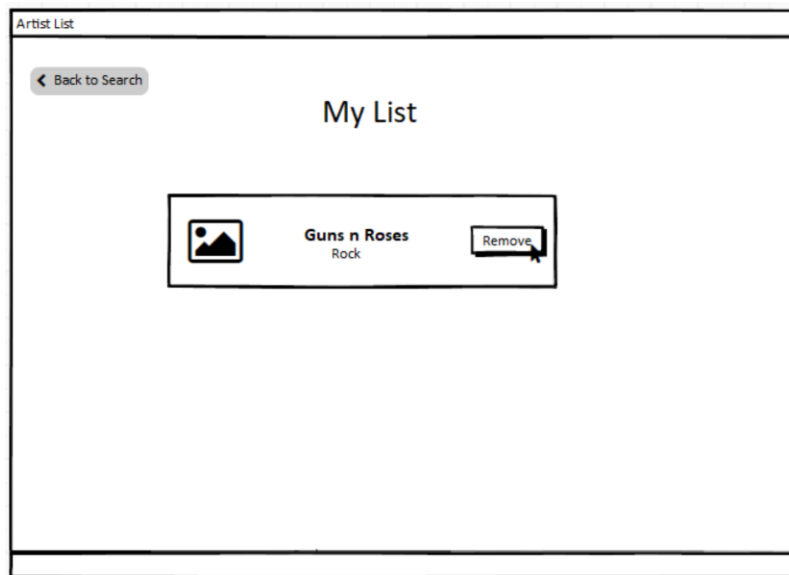
Below the main artist detail view, there should be a list of similar artists with the same set of information (name, image, primary genre) that is in the search results



Saved List View

The saved list view should display a list of artists that the user has previously added to their list. This list should be **stored client-side** and, as mentioned before, the user **should be able to leave the page and return to their list at a later time**. Each artist in the list should display the following information:

- Name
- Image
- Primary genre



The list should be able to handle being empty as well:

