

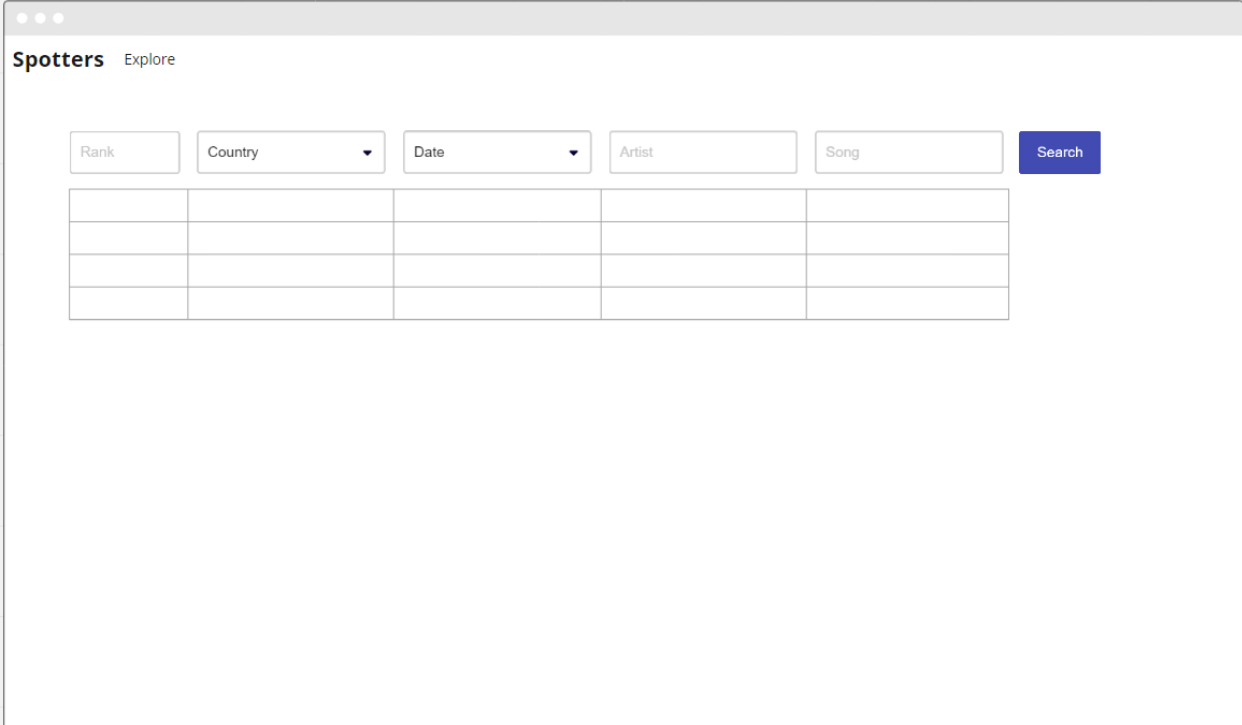
Sprint 2 Artifact

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Features:

- **Feature 1:** as a user, I want to search for songs in the Spotify's Daily Top 200 charts given its rank, country, and date
- **Feature 2:** as a user, I want to search for an artist or song title to see when it was #1 on the charts

GUI design:



The GUI design shows a web application window titled "Spotters Explore". It features a search interface with five input fields: "Rank", "Country" (a dropdown menu), "Date" (a dropdown menu), "Artist", and "Song". A blue "Search" button is positioned to the right of the "Song" field. Below the search fields is a table with five columns and four rows, intended for displaying search results.

Test cases:

- **Feature 1 Test Cases:** as a user, I want to search for songs in the Spotify's Daily Top 200 charts given its rank, country, and date
 - **Test Case 1:** as a user, I search for a song by inputting rank #, selecting the country, and selecting the date of the chart, and press search
Correct Output: The website displays the song information requested from the backend and updates the table underneath with the song information.
 - **Test Case 2:** as a user, I don't provide a rank # when searching for a song
Correct Output: The website displays all 200 songs on the chart requested from the backend and updates the table underneath.
 - **Test Case 3:** as a user, I don't choose a country or date when searching for a song
Correct Output: The table doesn't update and no requests are made.
 - **Test Case 4:** as a user, I input information on all search fields

Correct Output: The table doesn't update and no requests are made.

- **Feature 2 Test Cases**: as a user, I want to search for an artist or song title to see when it was #1 on the charts

- **Test Case 1**: as a user, I input an artist into the artist search field and press search

Correct Output: The website displays all songs from the artist requested from the backend and updates the table underneath.

- **Test Case 2**: as a user, I input a song title into the title search field and press search

Correct Output: The website displays all songs matching the title requested from the backend and updates the table underneath.

- **Test Case 3**: as a user, I input both an artist and song title and press search

Correct Output: The website displays all songs matching the title by the artist requested from the backend and updates the table underneath.

- **Test Case 4**: as a user, I input information on all search fields

Correct Output: The table doesn't update and no requests are made.

To-do list:

Done list of last sprint

- Set up a simple client-server architecture to send messages back and forth
- Decides on the features we want to implement

To-do for next sprint

- Design GUI to search for songs from the Spotify's Daily Top 200 charts
 - Acceptance criteria: Options to input rank, country, date, artist, song; table to display the songs; search button
- Backend program to search for a record in csv file
 - Acceptance criteria: The program successfully and correctly returns matching records
- Backend program to convert a record into a class
 - Acceptance criteria: The class stores all information stored in the csv file