**FEATURE REQUEST: SEARCH ON “ENTER”**

**August 21, 2021.**

**OBJECTIVE**

To give the user the ability to search Spotify by pressing ‘enter’ instead of clicking ‘submit.’

**BACKGROUND**

Currently, Jamming requires that a user click the “submit” button in order to search for their desired item. However, being able to search when pressing the “enter” key is a much more acceptable user experience. The feature accomplishes the following:

* Allows the user to get search results without having to navigate their mouse to the actual button.
* Saves the user time when searching.
* The function should only start when ‘enter’ key is depressed and not when the term is updated.

**TECHNICAL DESIGN**

A new event handling method will need to be added to the **Searchbar** component that identifies when the enter key is pressed. *handleKeyPress* will trigger the *search(term)* method in the **App** component which will trigger the *getAccessToken* and/or *search* methods in the **Spotify.js**.

To implement this feature, a handler function (*onKeyPress*) that checks the event until *event.key === “enter”* has to be called. If the condition is true, then the method will call *this.props.onSearch(this.state.term)* which will initiate the Spotify Search function.

The method is then bound to “*this”* in the constructor of the **Searchbar** component. Lastly, an add (*onKeyDown)* event handler would be added to the input tag and call {{*this.handleKeyPress*}} to “listen” for the event.

The listener will activate when a pressed key equals “Enter” which will lead to the “Results” box to be filled with the search results.

**CAVEATS**

**onKeyPress**

This could be used in place of *onKeyDown* however, since we are trying to react to a single key press and not a character action, we should not consider this as a viable option.

**onKeyUp**

This could be used in place of *onKeyDown* which will take place after the enter key has been released. Since this event fires after any new characters are added to the field it is not as desirable to *onKeyDown* which will search using the current state of term when the key is depressed, which we can assume is what the user wants to search.