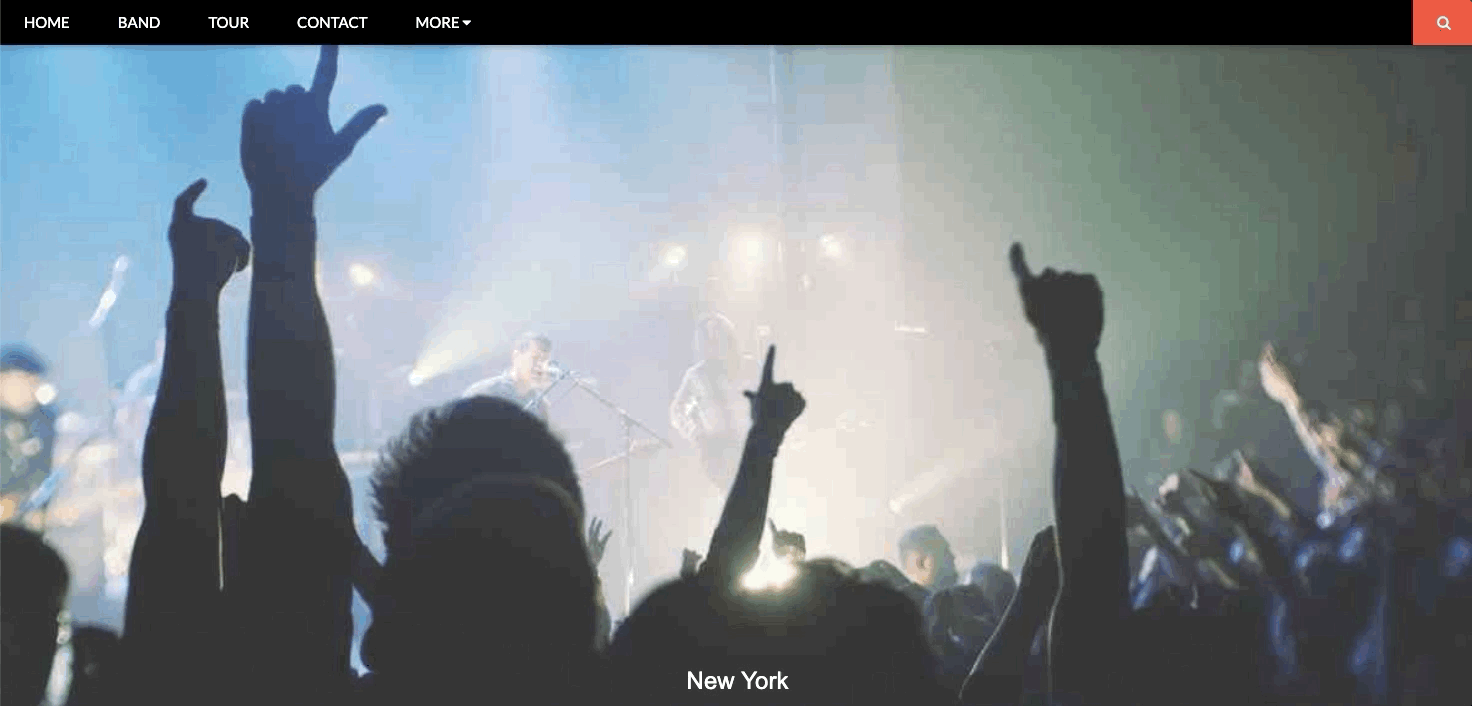
## Overview

During this activity, you’ll create a drop-down menu that contains a search form.

This animation can be very easily modified to contain other elements—such as a navigation menu—or modified so that it doesn’t take up the full screen—that’s up to you.

## Instructions

**Animation preview:**

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1. Continue to work on the same index.js file you opened in the first activity located at Band\_Animated/unsolved/js/index.js.
2. In your index.js file, create a click function that targets the class of searchButton.
   1. If you need a reminder of how to create a click function, see the skeleton of our event listener below.   
      Resource: <https://www.w3schools.com/jquery/jquery_events.asp>

| $("your selector here").on("event listener type", function(){  // Write code to run here  }); |
| --- |

1. Create a jQuery selector that targets the class of searchButton.
   1. Attach the jQuery function toggleClass with the parameter of active.  
      Resource: <https://api.jquery.com/toggleclass/>.
2. Create the skeleton of an if-else statement. If you need a refresher of what an if-else statement looks like, look at the skeleton below.

| if () {  }  else {  } |
| --- |

1. Inside your newly created if statements brackets, you need to add a parameter to check. Add:
   1. A jQuery selector that targets the class of searchButton.
   2. At the end of your newly created jQuery selector, add the jQuery function .hasClass(); with the parameter of active.  
      Resource: <https://api.jquery.com/hasClass/>
   3. This if-now statement now says “if our searchButton also has the class of active, run the code in our if block.”
2. Inside your newly created if statement, you need to create three jQuery functions to modify our HTML.
3. Create a jQuery selector that targets the class of searchBar.
   1. At the end of your newly created jQuery selector, attach the jQuery function .css(); with the parameters of "height", "100vh".  
      Resource: <https://api.jquery.com/css/>
4. Under your previously created function, create a jQuery selector that targets the id of searchForm.
   1. At the end of your newly created jQuery selector, attach the jQuery function .css(); with the parameters of "opacity","1".
5. Under your previously created function, create a jQuery selector that targets the class of searchIcon.
   1. At the end of your newly created jQuery selector, attach the jQuery function .removeClass() with the parameters of "fa-search".  
      Resource: <https://api.jquery.com/removeClass/>
   2. At the end of .removeClass(), attach the jQuery function .addClass(); with a value of “fa-times”.   
      Resource: <https://api.jquery.com/addClass/>
6. Inside your else statement’s curly braces, create a jQuery selector that targets the class of .searchBar.
   1. At the end of your newly created jQuery selector, attach the jQuery function .css(); with the parameters of "height", "0vh".
7. Under your previously created jQuery function, create a jQuery selector that targets the id of #searchForm.
   1. At the end of your newly created jQuery selector, attach the jQuery function .css(); with the parameters of "opacity","0".
8. Under your previously created function, create a jQuery selector that targets the class of searchIcon.
   1. At the end of your newly created jQuery selector, attach the jQuery function .removeClass() with the parameters of "fa-times".  
      Resource: <https://api.jquery.com/removeClass/>
   2. At the end of .removeClass(), attach the jQuery function .addClass(); with a value of “fa-search”.   
      Resource: <https://api.jquery.com/addClass/>
9. And that’s it! You're ready to test out your new animation. Reload your page and click on your search icon to trigger this function.

**Student Tip:** Study the HTML/CSS of these classes and functions when you get home from class tonight (or tomorrow). Seeing how everything connects will help you understand how to build these types of animations.

**Bonus**If you finish this activity early, try to build a drop-down menu that contains more than a search bar. Think back to the UI design section or Google drop-down menu design for inspiration.