

# Lab 6: Tier List Maker

Due Date: Before Lab on Week 9

## Overview

People love rankings. They love fighting over rankings. In this lab, we're going to fight over fast food rankings. You'll be creating a site very similar to [TierMaker](#), except we're just going to have 1 tier list since the last 2 labs have been pretty involved.

## Objectives

By the end of this lab, you should be able to

1. Use the HTML Drag and Drop API
2. Dynamically change styles from JavaScript
3. Attach Event Handlers to JavaScript client code
4. Create and add new DOM elements

## Task 1: Match Layout

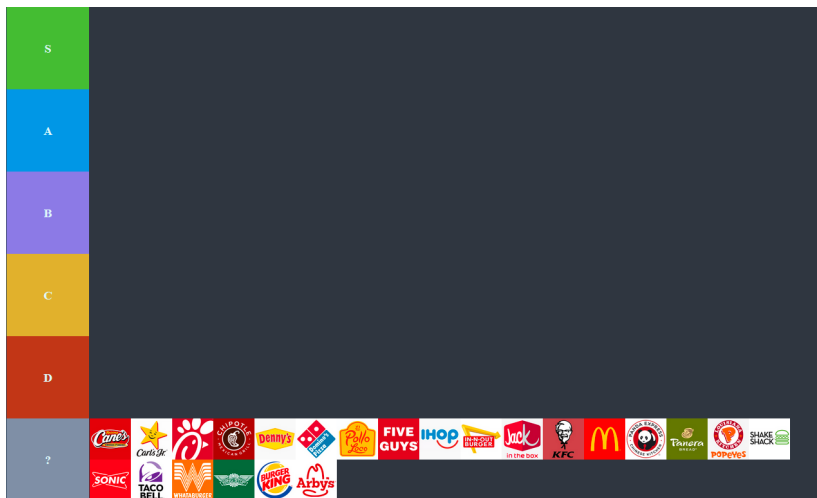
1. Load in the scripts and CSS before going too far. Make sure you can have at least one console.log show up
2. Not looking for pixel perfection, but we are looking for some amount of colors based on JavaScript. Use the [style attribute](#) to change the background color of each tier
  - a. To [access the data-tier attribute of an element, you have to use the dataset](#) property: `element.data.tier`



By the end of this step, your page should look roughly like the above.

## Task 2: Load restaurant images

1. For each of the restaurants in the Restaurants object from restaurants.js, create an img element
2. Set the src based on the path attribute of a single restaurant
3. Append all the images into the tier with the attribute [data-tier='?']



By the end of this step, your page should look like this.

## Task 3: Implement Drag and Drop functionality

For each of the images, make them draggable. You'll have to use the [HTML5 Drag and Drop API](#). Before trying to implement this for your page, you should read through the entirety of the examples. If you don't, you will most likely get lost.

1. Make sure that the first parameter for event.dataTransfer.setData() matches the first parameter for event.dataTransfer.getData().
2. You should make every image *draggable*
3. You should make every section.tier-container a drop container.

At the end of this step, you should be able to drag and drop images into each of the tiers. Also, this is Arman's tier list.



## Task 4: Reset Functionality

1. When you double click the ? tier, make all the images reset.

## Extra Credit: Persist the current Tier List to localStorage

If you're looking for some extra points, persist all the tiers to [localStorage](#). When someone refreshes the page, whatever tiers they had previously set will appear.