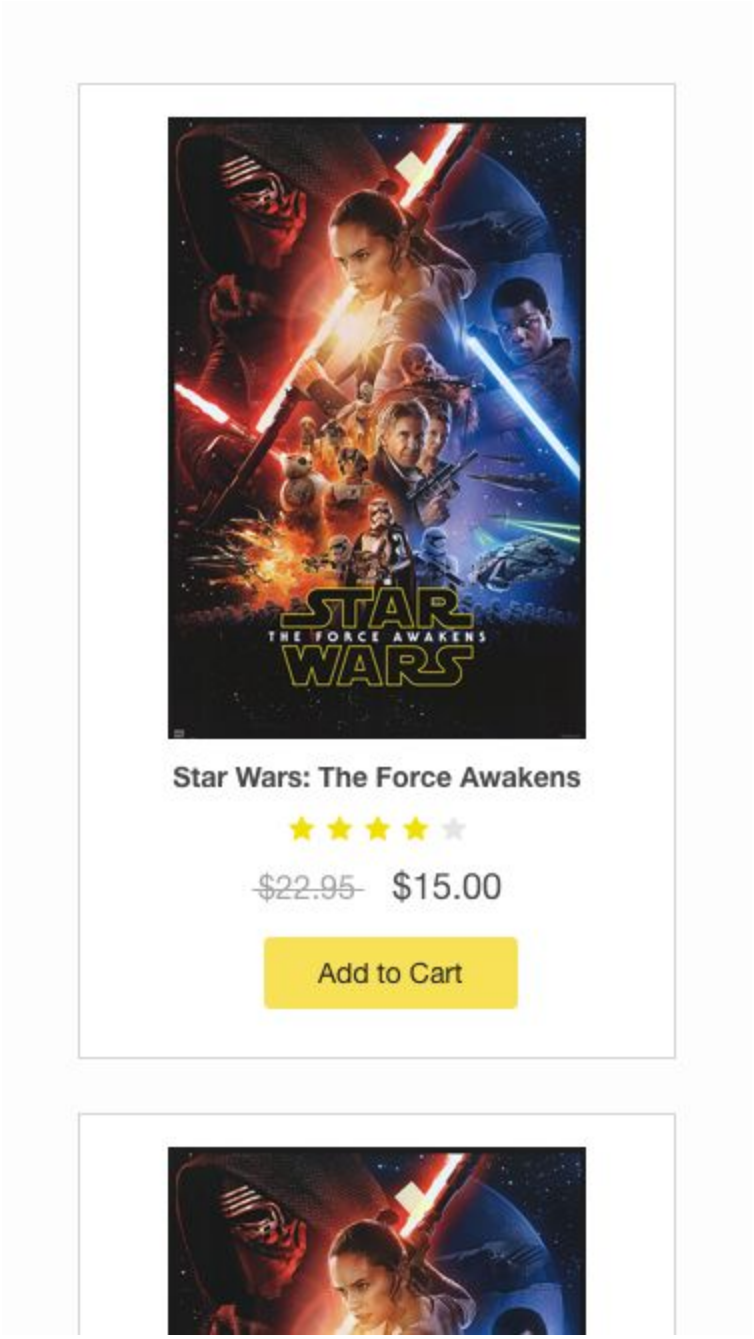
**1) HMTL / CSS Menu Challenge**

**The Scenario**
You are working for a Star Wars fan site that is launching a web-store to sell Star War DVDs. You need to develop the front end view for the store's menu. Here is the design you've been handed by the design team:



**Instructions**

1) Start by implementing the HTML / CSS for one movie only using dummy text.

2) Next iterate over this array and display an item for each film:

[‘A New Hope’, ‘The Empire Strikes Back’, ‘Return of the Jedi’, ‘The Phantom Menace’, ‘Attack of the Clones’, ‘Revenge of the Sith, ‘The Force Awakens’, ‘The Last Jedi’]

3) **Stretch goal (optional):** Use the unofficial Star Wars API (https://swapi.co/) to retrieve via an HTTP request the full list of Star Wars films. This API will not give you images for the films, so just use one image for all the films as a placeholder. You will need to use a tool like ‘http-server’ (https://www.npmjs.com/package/http-server) to serve the site to be able to make a cross origin request.

**Notes**

- For this challenge you are free to use any external libraries or frameworks (jQuery, Angular, Bootstrap, etc.). Please just import them via CDNs and not through a build process, so we can quickly view your work.

- Do not worry about the design specs (margin, padding, font sizes, colors); please just improvise to the best of your ability.
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- Clicking the ‘Add to Cart’ button doesn’t need to actually do anything, but please add a hover state.

- Implement this only for mobile web view. It does not need to be responsive for desktop view.

- User should be able to scroll up and down to view all the films in the menu.

- Don’t worry about the posters, just use the one provided as a placeholder. Also, don’t worry about the ratings. You can mark all films with a 4 star rating.

- Please send back either a GitHub repo or a folder with the relevant files.

**2) Debug Code**

**A. Please write a test suite for the function below.**

- The subtotal should be the sum of each item's price times the count of each item.
- You can use this JS Fiddle as a starting point: http://jsfiddle.net/edoecohen/zufo2om4/

```
function subtotal(items) {
    var subtotal = items.reduce(function(acc,item) {
        return acc + (item.price * item.count);
    },0);
    return subtotal;
}

e.g. subtotal([{price:1,count:3}]) === 3
```

**B. Please identify the bug(s) in this code.**

```
function checkAndUpdateStep(info) {
     switch (info.step) {
          case 'start':
               status.step = 'available';
               status.available = false;
               return status;
          case 'unavailable':
               status.step = 'available';
               status.available = true;
          case 'available':
               status.available = false;
               status.step = 'alldone';
               return status;
          case 'alldone':
               status.step = 'unavailable';
               status.available = false;
               return status;
          default:
               throw new Error('unknown step');
     }
}
```

```
function stateLoop() {
      if (info.available) {
            // this is important!
            doImportantThing();
      }
      checkAndUpdateStep(info);
      var current = { step: info.step, available: info.available };
      actOnCurrentState(current);
      setTimeout(stateLoop,500);
}

var info = { step: 'start', available: false };
stateLoop();
```