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ISTE 252: Foundations of Mobile Design

Professor Cady

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## Project 2: Web App

### Design/Implementation Process:

1. Select “Top 10 Rochester, NY” subject matter
  - a. Breweries
2. Research Rochester, NY breweries
  - a. Self-knowledge of local breweries
  - b. Breweries when searching breweries in Rochester, NY
  - c. Breweries on pre-existing “Top 10” lists
  - d. Selection of 10 breweries for site
  - e. Visit brewery websites
3. Select the Data
  - a. From research, consider the common details all brewery websites display
  - b. Choose the details for each brewery to display on web app
  - c. Create JSON file containing the data
4. Wireframing
  - a. Search top 10 lists online to gather ideas for layout
  - b. Choose multi-card layout
  - c. Figma – use for wireframing:  
<https://www.figma.com/file/66nj5Yo14ZsNwxT4EMCCJU/ISTE252%3A-Project2-Wireframe?type=design&node-id=0%3A1&mode=design&t=13QSdEOYt8q1as5E-1>
    - i. Desktop/large screen main page view
    - ii. Desktop/small screen main page view
    - iii. Favorites list view
    - iv. Details view
5. Coding
  - a. Create index.html file
    - i. Use hard-coded data for a couple cards
  - b. Create CSS file
    - i. Style the hard-coded cards to mimic the wireframe layout(s)
  - c. Create Template
    - i. Create template literal for cards based on hard-coded card layout

- ii. Remove data specific to each brewery and replace with \${variable} placeholder
- d. Create script.js file
  - i. Function to populate page on load by looping through data.json file objects
  - ii. Function for modal open/close
  - iii. Function for overlay (gray-out main page when detail modal opens)
  - iv. Function for handling toggle of favorites icon
  - v. localStorage functionality
    - 1. Store ids of selected favorite icons
    - 2. Populate favorites page using number from favorite icon id to grab id of entire favorited brewery object
  - vi. Function for clearing content on page and repopulating with only favorited breweries

### Design Decisions:

1. Navigation
  - a. Decided to forgo traditional navigation bar
    - i. Only a details and favorites view were required in addition to the main page view.
    - ii. Since I chose to use a popup/modal to display the details for each brewery and was not redirecting to a new page, I decided to not create navigation for a single scenario of navigating to a favorites page.
    - iii. I chose to clear the content on the current page and re-populate the page in a similar manner as the original population, but with only favorited items.
  - b. Did not want dummy features in the web app with no functionality
2. Layout
  - a. Multi-card layout
    - i. Already had experience with card design from prior class exercises
    - ii. Found multiple examples online of listing information via cards and switching out data on each card
    - iii. Felt this layout would adapt well to different screen sizes
      1. Display a certain number of cards per row based depending on screen size
3. Colors
  - a. Started with a color that appealed to me – the blue color #30A5DB
  - b. <https://coolors.co/>
    - i. Entered the blue I chose
    - ii. Cycled through generated color suggestions and locked in colors I felt went well with the blue

- iii. Wanted a red or pink color for the favorites icon and other accents
- iv. Did not want all text in black and found a gray/charcoal color to use for text

#### 4. Typography

- a. Searched for fonts that pair well together
  - i. <https://99designs.com/blog/tips/font-pairings/>
  - ii. Chose Vidaloka & Roboto
    - 1. Vidaloka – serif typeface for headings
    - 2. Roboto – sans serif typeface for content