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CSC-240

JS Assignment

5/12/2025

1. Website Review
    a. Briefly describe the current state of your website. What pages and features have you already built using HTML and CSS?
        i. I have made 4 pages: Home, Recipes, Saved Recipes, and About. The Recipes page holds all of the current recipes as well as filters to help the user narrow down the options to what they are looking for. The Saved Recipes page holds all the recipes that were saved on the Recipes page. I am going to add a shopping cart page to hold ingredients.
    b. What is the main purpose or goal of your website?
        i. The main purpose of my website is to make a comfortable spot for college students to gain easy access to quick, easy, and affordable recipes. This means making everything easily navigable, straightforward, and consistent.
2. Identifying Interactive Features
    1. Filter Recipes by Category (covered)
        a. Purpose: helps students quickly narrow down their options
        b. Buttons will allow users to sort recipes
        c. Javascript
            i. Select all recipe cards (use querySelectorAll())
            ii. Set up event listeners on the category filter buttons
            iii. When a button is clicked, loop through the recipe cards
            iv. For each card, check if its category matches the selected filter
            v. If the categories match, display the card, if not, hide it
    2. Expand recipe details on click (covered)
        a. Purpose: lets users browse quickly, but dive deeper into a recipe only when interested
        b. Clicking a card expands it to show ingredients, and steps
        c. Javascript
            i. Select all recipe cards and add a click event listener.
            ii. When a card is clicked, find the .recipe-details within that card.
            iii. Use style.display to toggle the visibility of the details section (expand or collapse).
    3. Save a recipe to "My Recipes" (not covered)

a. Purpose: enables users to build a personalized recipe collection they can return to
b. A heart icon will let users save recipes
c. Questions
    i. How to store data in localStorage?
    ii. How to show the saved recipes dynamically on a separate page?
    iii. How to ensure that the saved recipes persist across sessions?
4. Remove a saved recipe from "My Recipes (not covered)
    a. Purpose: keeps the "My Recipes" page manageable and tailored to changing preferences
    b. Remove button allows users to remove a recipe from their saved list
    c. Questions
        i. How to remove a saved recipe from localStorage dynamically?
        ii. How to update the UI without reloading the page?
5. Responsive Navigation Bar (covered)
    a. Purpose: ensures smooth page transitions and intuitive browsing across devices
    b. Nav bar will highlight the current page and have clean transitions to Home, Recipes, My Recipes, About, and Shopping Cart
    c. HTML/CSS
        i. Use anchor tags for navigation.
        ii. Add event listeners to highlight the current page.
        iii. Use CSS for smooth transitions between pages.
6. Add ingredients to shopping cart (not covered)
    a. Purpose: allows users to prep for groceries by building a list straight from their chosen recipes
    b. Ingredients listed under each recipe can be added to a cart with a single click per item (I wanted to add them from the favorite recipes, but was not sure how to go about implementing without a backend database setup)
    c. Questions
        i. How to dynamically add ingredients to the shopping cart?
        ii. How to store the list of ingredients in localStorage for persistence across sessions?
7. Check off ingredients from shopping cart (not covered)
    a. Purpose: makes the shopping experience smoother, even on mobile devices
    b. Each ingredient will have a checkbox toggle to mark when it's been picked up
    c. Easy to figure out it turns out

8. Delete ingredients from shopping cart (not covered)
   a. Purpose: prevents clutter in the cart if ingredients are no longer needed
   b. A small delete icon beside each item will remove it from the list immediately
   c. Questions
      i. How to remove ingredients from the cart without refreshing the page?
9. Surprise me button (covered)
   a. Purpose: great for indecisive students who want a random easy recipe
   b. Clicking it will display a random card from the collection
   c. Javascript
      i. Create a surprise me button.
      ii. When clicked, generate a random index from the list of recipes.
      iii. Use that index to display a random recipe card.
10. Search bar for recipes (not covered)
    a. Purpose: makes it faster to find a recipe by keyword or ingredient
    b. Searches titles, tags, or even individual ingredients listed in the recipes
    c. Questions
       i. How to implement a search that filters recipes by title, ingredients, or tags?
11. Clear all saved recipes button (not covered)
    a. Purpose: ensures users can remove all saved recipes at once without manually deleting each one
    b. Questions
       i. How to remove multiple saved recipes from localStorage dynamically?
       ii. How to update the UI without reloading the page?