Michael Kellems

CIT 312

Prof Kane.

3/14/25

Midterm Project

Abstract

For my midterm project, I decided to create a website/webapp called Meals by Michael. This subject comes to me easily because cooking is a large passion for me. I love food and my love of food induces pride in the ability to share that love via cooking for others. My website includes three pages: Home, Recipes, and Request Services. The Home page contains an article called “About” that gives basic explanation of the website’s purpose as well as my contact information. The Recipes page contains flip-cards. On the front of each flip card is a picture of a recipe and its title. On the back is the recipe, including ingredients. Lastly, the Request Services page contains a form for requesting services such as catering or private cooking.  
  
Instructions for Use

1. The website automatically opens to the Home page. To navigate to the recipes page or service request form, use the navigation bar.
   1. For wider resolutions, the navigation bar will be at the top of the page just below the header.
   2. For more narrow resolutions, the navigation bar becomes a hamburger menu. To open the menu, click on the three-bar icon on the top left of the screen just under the header.
2. On the recipes page, to flip cards you must hover over the card. The front face will be shown again once you stop hovering on a card.
3. To submit the Request Services Form, be sure to click the submit button on the bottom right corner of the form

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| **Web Design Tenet** | **Implementation** |
| Github & Github Pages | -Page will be hosted in Github Pages via the root directory.  -Folder(s) will be used to hold stylesheets (may be separate for Less and CSS, may not)  -Folder for images used on the web-pages |
| Flexbox & how to use flexbox to display information effectively | -Flexbox will be used to implement flip-cards, which will exist in a flex-container.  -I like to use Flexbox to make inline-style Nav bars where each <a> element is evenly spread on the line and will probably employ this technique. |
| Using advanced CSS selectors | -Use of descendant selectors will be heavy for items containing other items (nav, body).  Ex: #navbar>a  Body>#flip-card  -For items like nav bars I like to separate alike items by using the sibling selector:  Ex: #navbar>a~a: border-left: 2px solid black; (creates a divider between each link) |
| Interactive flip-cards in a flex container | -Recipes page will contain flip-cards for each recipe  -Flip-card fronts will contain a photo of each recipe and a title for the recipe  -Flip-card backs will contain ingredients and instructions for each recipe.  -The flex container will be set to row flex direction on wide screens and column on thin screens |
| Forms | -There will be a page called “request service” containing a form for requesting services such as private chef or mentoring.  -At least one selected field will be in the form, at least one date field, and at least one text area. I may end up using some extra selections or some radio style buttons. |
| Visual Techniques and Responsiveness | -Nav bar will change to hamburger menu when webpage width is small  -Will use favicons for vegan and vegetarian on recipe titles. Also, I will use a favicon for the website  -Recipe cards will switch from row to column flex direction on smaller screens.  -Home page styling will change on smaller screens, the form probably will too but I’m still working on how I want that to look. |
| The Less CSS Pre-Processor | -Will use variables for my unique colors in my theme  -Will use classes to create specific presets for things such as centered margin, etc to apply to things with alike styling. |

Github Repository:

https://github.com/MichaelLee44/CIT312\_midtermproject\_MK/

Github Pages:

https://michaellee44.github.io/CIT312\_midtermproject\_MK/