IDM-232

Overview

IDM-232 is a scripting course that requires students to program a recipe website using Java, PHP, MySQL, HTML, and CSS. In order to develop, create, read, edit, and delete data on multiple pages from my hosted site, I mostly used the PHP language. I was also introduced to databases. The project was finished during the 2022 Fall term and took 3 months to complete. However, php is the most challenging programming language I've ever encountered.

Context and Challenge

Background

Creating a recipe website in PHP and MySQL was the sole purpose of this solo project. I worked on developing the final website from September to December, which was almost 10 weeks. I also learn the foundational skills necessary to integrate PHP and MySQL into my recipe website. The four functions of create, read, edit, and delete were the main priorities for this project.
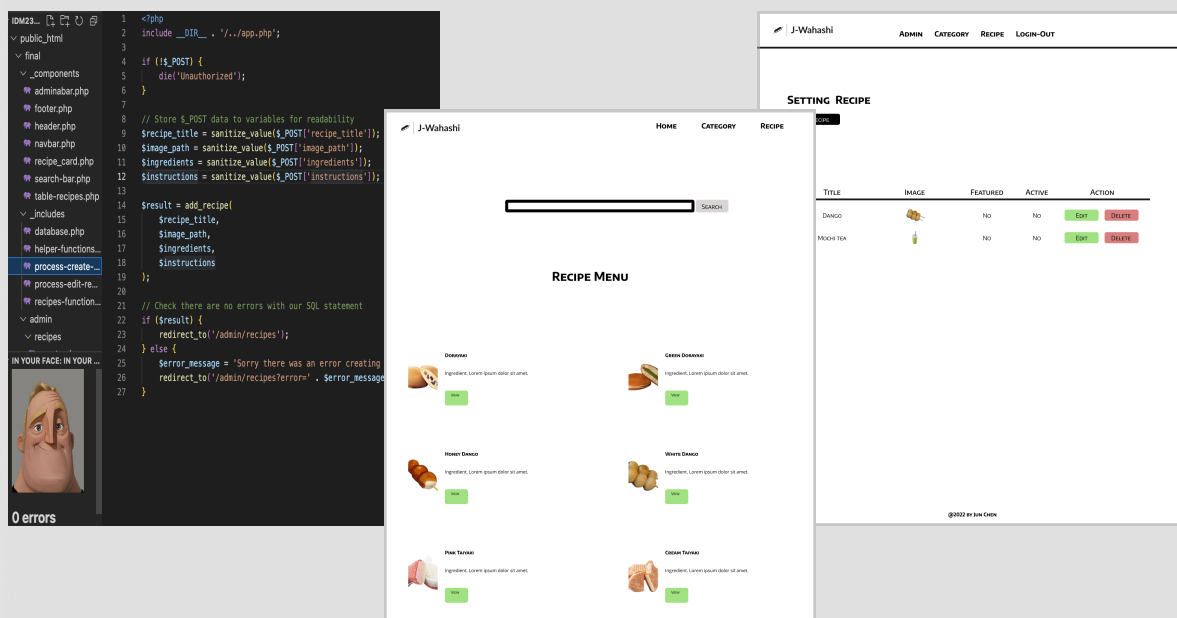
Problem

This project sought to understand how databases function and how programmers use them to display data on websites. But in this class, I was having difficulties because I made a lot of errors and some functions I created on my own didn't work properly. Because HTML classes are mixed up with PHP files and I haven't done any of this, it's difficult for me to use CSS to design my website. This was the first significant obstacle I had to overcome.
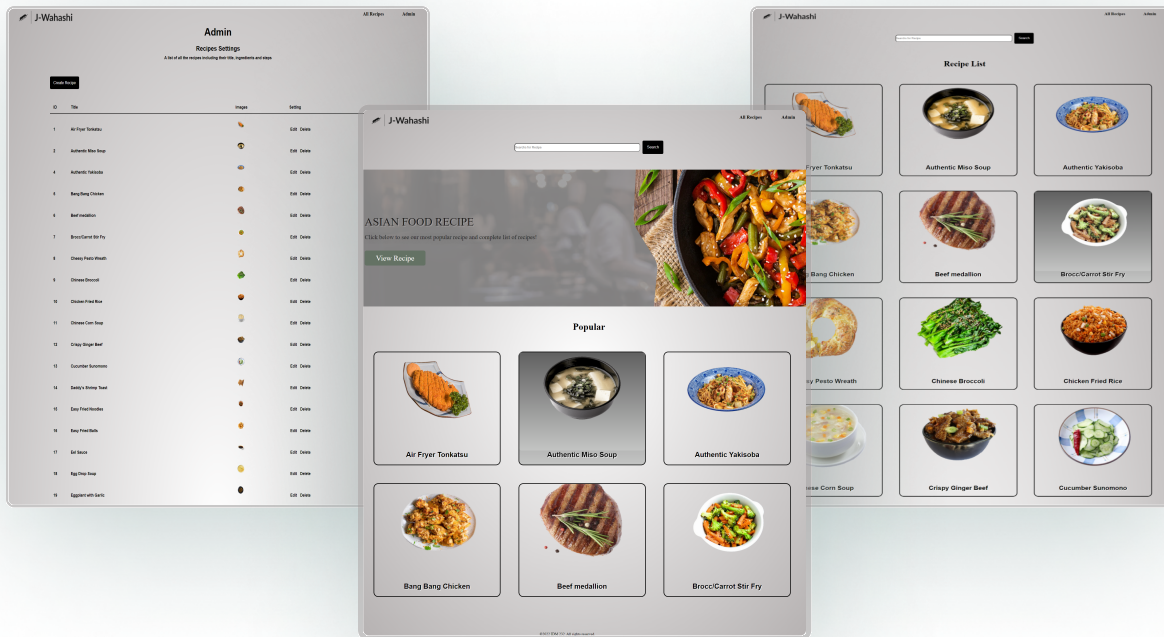
Goals

The successful completion of this project will enable users to create, add, edit, delete, search, and view recipe data through the use of MySQL and PHP. Additionally, I tried to include anything that seemed out of the question for an introductory course even though I have no prior experience with creating aesthetically pleasing cook recipe websites that use Php language.

Process and Insight

1. Before I begin coding the Php recipe website, I begin with the design phase and prefer for a straightforward layout with a white background because I wasn't confident using the new language to code the website. Additionally, this is an Alpha design, so I tried to code it out similarly to the Alpha design because I wasn't sure how the code would work until it was final.

2. After that, I keep coding the script until every function is functional, and only then can I code the HTML and CSS to create the recipe website. Basically, I had to make sure that the function worked before using CSS to make the website look tidy and appealing. Since PHP is not my best coding language, it has been more difficult for me to learn the basics of that language. I am more familiar with CSS and HTML

3. This is my finished product for the Recipe website, which I designed myself using CSS. However, the majority of developers styled the components using Bootstrap or other tools, which saved a lot of time compared to writing style designs in CSS. I don't use those tools because I prefer to design things creatively on my own to demonstrate my proficiency in HTML and CSS.

Solution

My objective was to design a straightforward, optional website that displayed the fundamental PHP features and had a clean, stylish look. Below a link to the recipe product website is the recipe site's final development. In the end, I decided to concentrate more on CSS design and responsive web design. Although the idea is very similar to storing information for recipes, I didn't add a login feature because I wasn't very skilled with PHP and it wasn't easy to create a login feature that worked. However, somehow I ended up with an error or a functional not work. I therefore decide to stick with the page I currently have. Although I would have preferred to include a dedicated page for the admin and login system, I decided to focus on functional work properties, CSS design, and database execution in order to meet the 10-week deadline.

View Site

Result

Throughout the course of the project, which lasted for ten weeks, I learned the fundamentals of PHP and SQL databases. The concepts of PHP and SQL are entirely new to me, just as they were when I first learned CSS, HTML, and Java. The courses I am currently learning in PHP, however, are still basic, and I am far from an expert in the field. This is because I have spent many hours in PHP debugging, which was a painful experience. However, I'm pleased with how the php recipe website's basic design turned out. I had a clear design that is similar to the early design phase before I started the coding phase. This project served as an excellent introduction to basic PHP language functionality on a website where users could simultaneously add, edit, create, and delete recipes.