

Tools Used:

Figma

HTML

CSS

mySQL

PHP

Timeframe: 10 Weeks

## OVERVIEW

This case study outlines the process I went through to create a mockup recipe website using PHP and mySQL. As this was my first time using both mySQL and PHP, I was required to combine my existing knowledge of HTML and CSS with these new languages to create a comprehensive recipe layout. As I developed and approached the final result, I was able to learn a lot about these new coding languages and apply them to creating and calling to a database.

## CONTEXT AND CHALLENGE

### Background

This project was started as a task designed to teach on how to effectively use PHP and mySQL. In this class we learned how PHP can make code much more efficient by acting as fail-safes for file paths, structuring for database linking, and allowing for components to be called without repeating large blocks of code. To ensure we understood, I was tasked with creating a recipe site with a searchable database where an admin can add a recipe, delete a recipe, add a recipe and view the recipe's details all with information provided from the database.

### The Problem

PHP is very different than the other languages I'd learned before; in an environment where scripting has already been a tricky process, learning how to use PHP for something very new in order to expand my skills was going to be a challenge on its own. Knowing the basics of PHP will expand my ability to provide an ideal user experience on a website, and make my code more efficient in the future.

### Goals and Objectives

Create an appealing recipe site where:

- Recipes from a newly created database can be viewed
- Recipes can be deleted, edited, and created

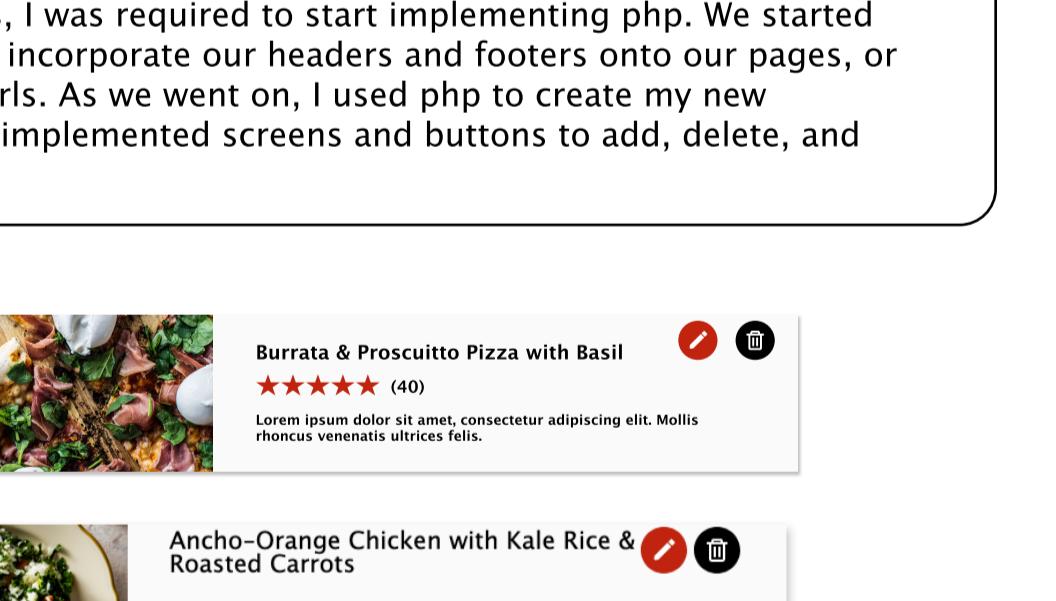
Create and retrieve information from a database



## PROCESS & INSIGHT

### Styles

To drive my decisions for this project, I started by laying out the aesthetics and styles I wanted to stick to when creating this site. I very much wanted an American bistro sort of vibe, something laid back but still involved.



### Layout & Planning

Once I laid out my styles, I started to design what my pages would look like in an ideal state. I knew that since I was learning something new, it was unlikely that I'd be able to match my designs one for one, but it gave me a great goal to aspire towards.

**Planned Edit Card**

**Local Host**

**Online**

### Adding PHP

At this part of the process, I was required to start implementing php. We started slow at first, using php to incorporate our headers and footers onto our pages, or using it to echo our site urls. As we went on, I used php to create my new database for recipes, and implemented screens and buttons to add, delete, and edit recipes.

View the Site Here: <https://www.karajbutler.com/idm232/final/>

**mySQL**

Once we added php, we had to use mySQL to call to our database, and input information into our recipe descriptions based on the information we had put in. Putting in 40 recipes manually was a lot of work, by mySQL grabs the information on its own by id and places it where the variables are called.

**Final Results**

As I reached the end of this process, I found myself wishing I had more time, and a more thorough understanding of the code in order to bring my vision of this site to life more accurately. I was proud of myself for being able to bring in all of the functionality, but some bumps along the way have cause things to look less than the way I planned it. I plan to continue working on this project to improve the design elements, but this project was successful in teaching me more about PHP and mySQL and how they can be useful for managing databases.