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CS499

Mod 3

Milestone 2

**Describe the artifact.**

The original artifact is an inventory app that allows a user to add an item name and quantity to a SQLite database. It is from CS360 from February of 2025.

**Justify the artifact for my portfolio**.

This artifact matches all three items for the eportfolio through its new navigation enhancements, dark mode features, sorted item grids, and interactive search bar. For this software development phase of the application project, I created a navigation bottom bar that changes the page with its fragment pages and a dark mode that changes the color themes for a darker screen. The navigation bar enhances the application by adding more interactive elements and guides the user to more screens within the fragment. This enhances the application greatly because it adds multiple pages within the main page. The previous application was one still page. The dark mode takes the design into account. All colors need to be re-imagined for the opposite colors. Everything from the color of the text to the search bar must be considered to successfully have a cohesive design.

Also, I have struggled with this course a lot and want it to show my growth in learning the material.

**Did I meet the course outcome I planned?**

Yes, within this submission you will see two versions of the project, RecipeZsaver and recipez. “RecipeZsaver” is the project in full and has the other elements I am currently working on for the other artifact submission enhancements. “Recipez” has only the base layout, navigation, and dark mode. “Recipez” is my testing version. Both the navigation and dark mode elements are fully implemented and functioning. Next, I need to finish the base database for the items, after implement the search bar, and lastly the different sorted grid per fragment page.

**What challenges did I face?**

I get distracted easily and forgot the testing phase. To take advantage of this, I made two different versions of the application, one that I can work on the code for the other elements and the other that fully functions to test. My biggest current challenge is balancing time with my current job. To balance this, I am trying to get ahead with the application and finish as much as I can before the required module time frame to help with future challenges with code. My current code challenge is not quite understanding the image being added to the SQLite database. I am starting the functioning version without is and will add it after to be sure the rest works.