General Description

The Craft Today app is useful for those wanting to find their next fun craft project. Through a simple interface, users will be able to search and filter projects based on name, category, and popularity. After narrowing down on which craft project to pursue, the user can click on the project and be given a list of supplies needed and instructions for completing the craft.

Task Vignettes

1. Homepage Interaction
    a. User opens app and sees a search box above an option for filters
    b. Beneath search bar and filtering are a list of top ten projects based on popularity
    c. Projects are displayed as cards with title and image
2. Find a project through filtering
    a. User clicks on filters sees they can filter based on category and popularity
    b. User chooses to filter by category > leather
    c. Interface shows top 5 projects within the subcategory leather
3. Reviewing project
    a. User clicks on a project card
    b. The card shows detailed instructions and materials needed for project

Technical “Flow”

Data structure: Panda dataframe loaded from projects_craft.csv that was retrieved from Instructables DIY - All Projects on kaggle. Each dataframe will contain information about the crafts category, popularity, and source url. The resulting data frame will pass to the front end for the user to view.

Final Self Assessment

1. After working through the spec, what was the biggest most unexpected change to had to make from your sketch?

Not unexpected, but after feedback the sketch has in the way a user chooses a craft project. Instead of viewing crafts based on the materials a user has, crafts will be chosen based on the criteria of its craft category and popularity.

2. How confident do you feel that you can implement the spec as it's written right now?

Well, I had trouble thinking of writing the technical flow for this project. I know that panda frames will be useful for me but I need more time to conceptualize how that is written in code.

3. What is the biggest potential problem that you NEED to solve (or you'll fail)? and 4) What parts are you least familiar with and might need my help?

Panda dataframes! My knowledge of Python comes from Codecademy and requesting explanations from Copilot. I will need to rewatch the Panda Dataframes lecture before beginning this project.