Open-Source Task #4

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Difficulty Level: Medium to hard

1. Build a CRUD application with React.js to collect basic details of members in a club.

You are a member of your university's open-source club. The club has approached you to create a CRUD application with React.js and other necessary frameworks, to collect the basic details of its members like name, age, email, phone no, skills, and interests.

Reference: https://www.freecodecamp.org/news/react-crud-app-how-to-create-a-book-management-app-from-scratch/

2. Create a Django website to make a personal portfolio/blog to showcase your projects and achievements.

You can say about yourself and add other necessary details on the home page. You need to create a separate section for showcasing your projects (if any) and embed a YouTube video for it (if you don't have any demo video for the project, then embed any other video, at least one). Also add an email contact form at the footer of the website, so that one can directly mail to you from the website.

Apart from these prerequisites, you are free to make tweaks to your portfolio.

Reference: https://www.youtube.com/watch?v=pLN-OnXjOJg

3. Build a memory card game using Vue.js.

In a memory card game, all the cards are laid face down on a surface and two cards are flipped face up over each turn. The objective of the game is to turn over pairs of matching cards until all cards are faced up. The number of times a wrong match is made should be noted, and the high score obtained should be updated along with the player name, if a player finishes the game in fewer number of turns. This task is just to introduce you to Vue.js.

Reference: https://www.freecodecamp.org/news/how-to-build-a-memory-card-game-with-vuejs/

4. Create a photo gallery app with Django.

You need to build a photo gallery app with Django, where one can upload their photos. The app should have user authentication. It should also have options to upload, rename, delete, and add description. Inside the gallery app, there should be an option to create categories like travel, food, nature, family, etc., in which the photos will be stored. By default, the "All" category will be containing every photo. The user should be able to click on a particular category, and only photos related to that category should be displayed.

Reference: https://www.youtube.com/watch?v=sSquD2u5Ie0