Full-Stack Developer Application / Examination

Context:

Companies invest millions of dollars in ***projects*** to achieve their objectives. However these projects can go awry for very many reasons, some of the most common reasons are ***actions*** (a small task related to a project e.g. Purchase supplies) are not completed on time, ***issues*** are not resolved/dealt with (something that prevents the project from moving forward e.g. supply store closed down), and ***risks*** (something that can go wrong) and not properly tracked and dealt with.

Project managers exist to (as the name implies) manage these projects and the things related to them (e.g. actions, issues, risks).

Task: You are to build a **simple** project management web application where a user can create projects, and add related actions, issues, and risks.

A project should **at least** consist of an identifier, name, budget and description (you are free/encouraged to add any other metrics you think should be useful)

Actions, Issues and Risks, should all have **at least** the following fields:

    - Name, Description, Status, Created date

You are again encouraged to think about what other fields each of these should have and add them in

Objectives:

    - Project [CRUD]
    - A list of all projects [View]
    - Action [CRUD]
    - Issue [CRUD]
    - Risk [CRUD]
    - A 'project overview' page that displays related information (actions, issues, risks) [View] - Some aggregated visual of how the project is doing (take this into consideration when doing your data models)
    - ...Anything else you would like to include

Important:

    - **DO NOT** build any login / authentication (needless in such a short time)
    - Use **react** for the frontend
    - Use **a python backend framework**
    - Use git / public repo with guidelines on how to run your app

Would be good:

    - Use of **redux**
    - Use of **flask** (same backend used)

Date of final submission: **Thursday 30th March 2023**

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