

Cards & Data Team Internship - Hackathon

Problem statement

This project involves developing a financial analysis model and creating a web application to utilize it.

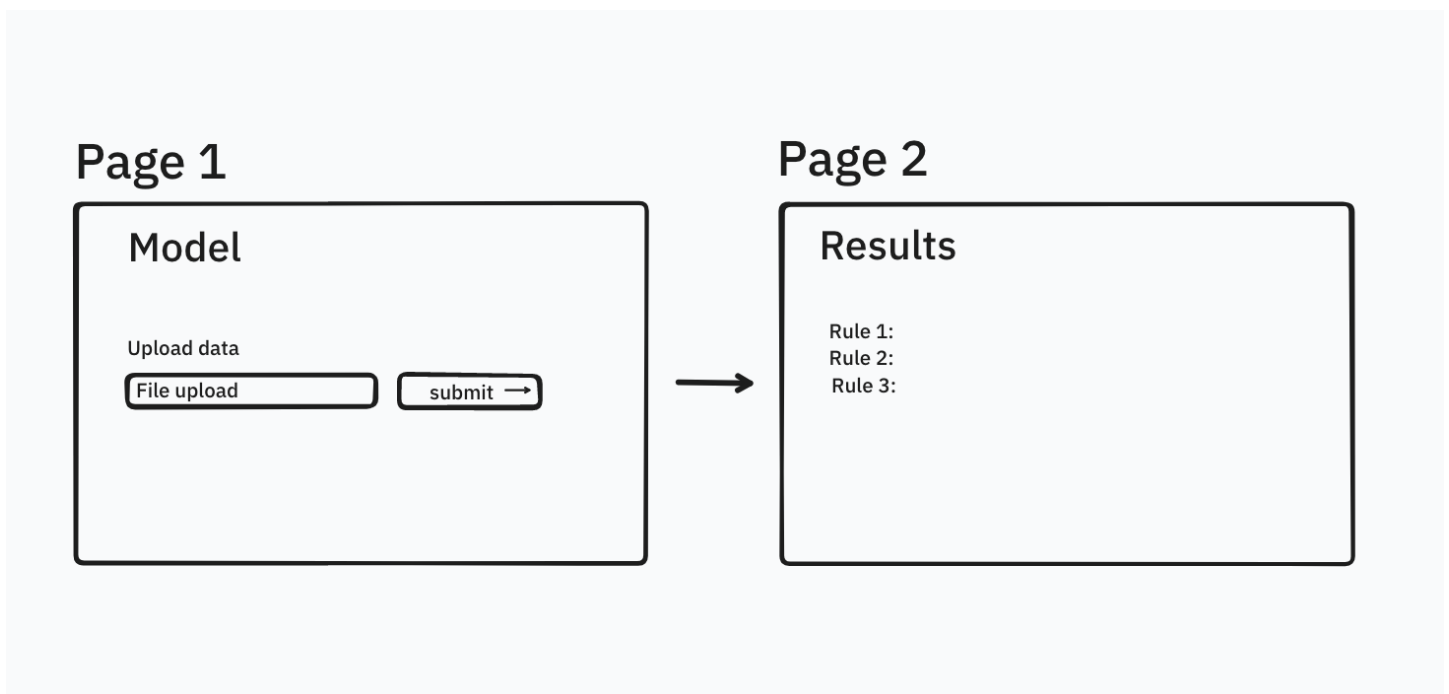
1. Module 1 - Create a simple financial analysis model. (1 hour)

You have been given 3 files -

- a. `rules.py` -> Financial analysis model uses rules defined in this file. Please read the function comments and write your implementation. Please check the example rule `latest_financial_index` for your reference.
 - b. `model.py` -> uses rules defined in `rules.py` to output results in json format.
 - c. `data.json` -> This is data file used in rules.
- ### 2. Module 2 - Create a Web App that uses the `model.py` defined in module 1. (Any framework/ Nocode tool will work) (30 mins)

This web application will have two pages-

- a. Page 1 - On this page, you can upload the data file `data.json` and click on submit. After clicking submit, you have to use `model.py` to get the result in json.
- b. Page 2 - On this page, you have to display results that you got from `model.py`



3. Module 3 - Share code via github. (10 mins)

4. **Module 4** - Deploy the application and share link. (you can use anything such as Vercel, Netlify, Firebase etc) **(20 mins)**

How will evaluation work?

1. If you complete all 4 Modules, you can share -
 - a. Github link for full code.
 - b. App link from Module 4 for evaluation
2. If you are unable to complete all the 4 Modules, you can share -
 - a. Github link for code written.
 - b. A video explaining your progress, which will be used for evaluation. You can use loom to create your video and share links. (<https://loom.com/>)