Technical Interview Specifications

This task looks to understand your ability to structure a solution in python ,php or javascript. This task must be developed in either python ,php or javascript and should have sufficient documentation for us to understand your solution ,run it without asking you.

The goal is to build an extensible web-based workflow system. The workflow is driven by

- Human input via an HTML form.

The process you are going to build loosely reflects some of the processes we use to get data from excel into our system and render visualisations. The user must enter a customer and the information captured as follows.

- First Name
- Last Name
- Date of Birth

The user is also going to upload a excel file with that has the customer's financial income and expenses in the last 12 months. All user interaction should just be through super simple HTML forms. The user must upload the excel file when they capture the customer information. The system must render a temporal graph showing the customers income and expenditure for the last 12 months.

We will be considering how the workflows are composed, are they defined as some sort of schema?.

There is no right answer to these questions, but architectural decisions and the reasoning behind them are important. It should be clear from reading the code and any comments or (lightweight) documentation how we would extend or change the workflow. This is what we are really looking for.

Restraints and considerations

- The system can have only one user, there is no need for login or user management.
- Data storage can be extremely simple, for example: a SQLite DB, or whatever is easiest.
- The UI can be extremely simple but well styled, just use HTML forms.
- Feel free to use any web framework, like flask, bottle, Django, Laravel, NodeJS, Express.
- For submission:
  - Please use Gitlab, Github or Bitbucket public repo and share the link with us.
  - Please include a document explaining your solution in written form.
  - Document any assumptions made in the readme file