

HERU Technical Challenge

Petter wants to travel to Europe during his vacations, but Petter knows that the weather is going to be something to have in mind throughout his time there, what Petter needs is to do some possible travel schedules and choose the better one based on the weather.

Design a personal travel planner that integrates weather data from an external API. Functional requirements for this planner should be the following:

1. A travel should be specified by planned travel departure date, planned travel arrival date, origin in a standard format (ISO), origin name, the destination in a standard format, destination name, forecasted weather at the departure and arrival city, the whole trip cannot be longer than 8 days, as well as any additional data that you consider should be important for the project or which would introduce interesting enhancements.
2. Forecasted weather data should be retrieved from the OpenWeather API (<https://openweathermap.org/api/one-call-3>).
3. Travel data should persist in some databases. Feel free to choose the database you consider the most appropriate for this project. Model data the way you consider most appropriate. We will appreciate it if you explain why you choose that database and modeling in the README.md file.
4. All the personal travel planner functionalities should consist in API REST endpoints.
5. There should be an endpoint that creates a new plan trip.
6. There should be an endpoint that retrieves all travels for a single user.
7. There should be an endpoint that gets information from one travel.
8. Feel free to use any backend framework in Python (we do recommend fast API).

Take into consideration:

- Dockerizing is a plus but not mandatory.
- Unit testing is a plus but not mandatory.
- The user management does not necessarily have to have an auth integration, it can be just a database field.
- This has to be an API Rest, if you build a UI it won't be considered.

Once you receive this document, have 72 hours to deliver the project. This gotta be in a public Github repository.

Thanks for taking the time to participate in this process, and so much luck!