**Evaluation Assignment for Internship with DataPOEM**

**Instructions:**

* **Strictly use FastAPI framework to develop the APIs**
* **Submission : Please provide the link of github repo/link of the website if you have hosted it for submission to** [**bibek@datapoem.com**](mailto:bibek@datapoem.com) **and** [**veerender@datapoem.com**](mailto:veerender@datapoem.com)

**Deadline : 7 days.**

**1)** Create a Full stack CRUD application that must fulfill three technical requirements.

1. Divide the application into separate microservices.(Backend and frontend)
2. Git should be used to track the project and the github link can be submitted.
3. Deploy the application onto any web hosting.

**Functional Requirements**

Create a product list API that must return X number of products. It should include name, price, description, date of manufacture,stocks and any other fields that you might think are relevant. The products can be stored in any DB of your choice (Must have at least 200 products). And develop a web-app that must reflect the contents of the product list API and must fulfill three basic functional requirements.

1. Create a login system where users can signup or login. On logging in, it shows them their profile and wallet. They can add money to this wallet using an API. (Dummy transaction.)
2. In the profile screen, users can enter a location and it will show the weather in that location.
3. The user should be able to view the dummy products in a dashboard and can buy them using the money in the wallet. This should cause his wallet to be updated along with the stock of the product.

Beside the basic requirements, one can also try to implement the following requirements for extra points.

1. Using encryption for logging in.
2. Creating an admin screen to view all the products.
3. Admin can upload an excel sheet with product information and then store it in the database.
4. Searching for a specific product.
5. Sorting the product based on parameters (low to high,high to low)