

What We Learned in the PIAIC Class 2 (July 28, 2024)

Here's a breakdown of what we covered in simple terms:

1. Business and API:

- Your business is built using an API, which is a set of rules that allows different software applications to communicate with each other
- The API uses the Python programming language

2. Cloud:

- The cloud is used so that your application can be accessed by anyone in the world, making it available online

3. Frontend:

- The frontend is the part of the application that users interact with directly. It can be a mobile app, a conversational interface like chatbots (CUI), or a web application. In simple terms, frontend means the client side of the application

4. HCI (Human Cloud Interaction):

- A Public Dealing Officer HCI role involves interacting with the cloud-based applications that people use

5. Connecting APIs with Custom GPTs:

- APIs can be connected to custom GPTs (Generative Pre-trained Transformers), which are advanced AI models that you can customize for specific tasks
- For example, you can create your own application using a custom GPT, which people can download from the Custom GPT store

6. OpenAPI Specs:

- OpenAPI specifications are written to describe your API in a standardized way, making it easier for others to understand and use

7. Quotients:

- AQ (Action Quotient): This measures the ability to take actions and perform tasks that you assign to it. Sir Ameen used AQ to build a custom GPT for Exam Master
- EQ (Emotional Quotient): This measures emotional intelligence

- IQ (Intelligence Quotient): This measures intellectual abilities

8. Prompt Engineering:

- This involves designing and optimizing prompts to effectively interact with AI models like GPTs

9. Setting Up Development Environment:

- WSL (Windows Subsystem for Linux): Allows you to run Linux commands on Windows
- Docker Desktop: A tool to create and manage containers (lightweight, standalone executable software packages)
- VS Code (Visual Studio Code): A popular code editor
- Python: A programming language
- Ubuntu Image for Linux: A version of the Linux operating system that can be used in Docker

10. Installing Ubuntu and Writing "Hello, World!" in WSL:

- You learned how to install Ubuntu in WSL through command prompt and run a simple "Hello, World!" program

11. GitHub Repository:

- For further learning, you can use this GitHub repository: [PanaVersity Learn Cloud Native Modern Python](<https://github.com/panaversity/learn-cloud-native-modern-python/linux>)

Download Links

- [WSL Installation Guide](<https://learn.microsoft.com/en-us/windows/wsl/install>)
- [Download Docker Desktop](<https://www.docker.com/products/docker-desktop/>)
- [Download VS Code] (<https://code.visualstudio.com/Download>)
- [Download Python](<https://www.python.org/downloads/>)
- [Docker Hub - Ubuntu](https://hub.docker.com/_/ubuntu)

This summary should help you understand the key points we covered in today's class. Let me know if you need other details on any topic!

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