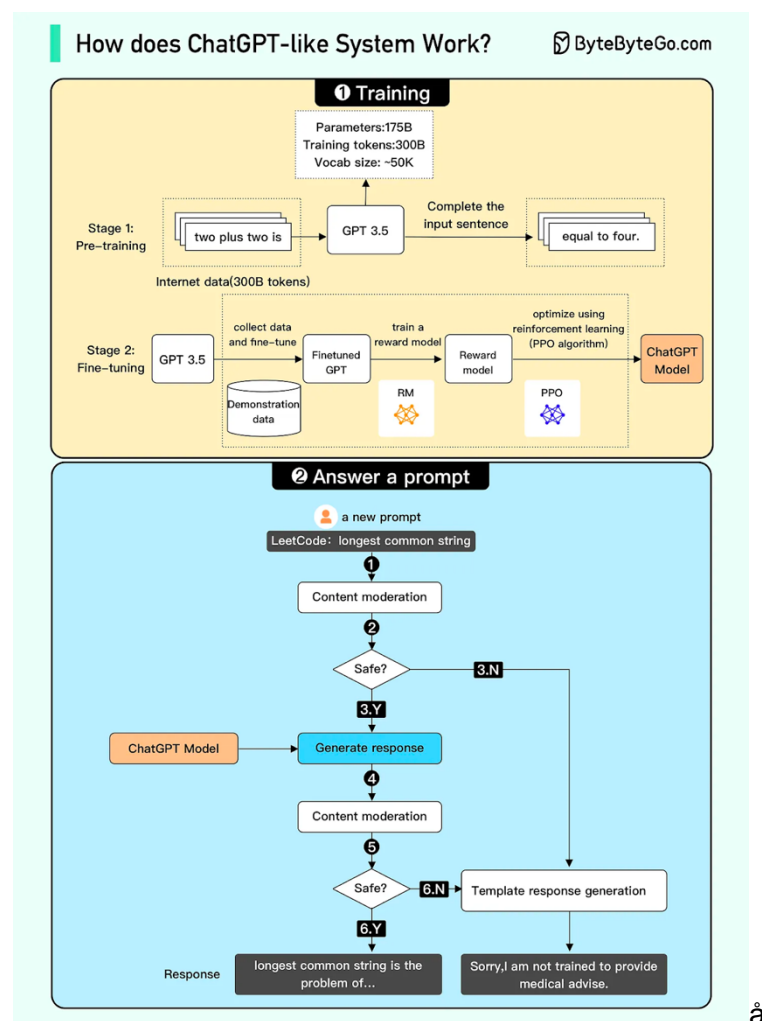# 2024-02-24 - Handout – Understanding LLMs and How ChatGPT Works
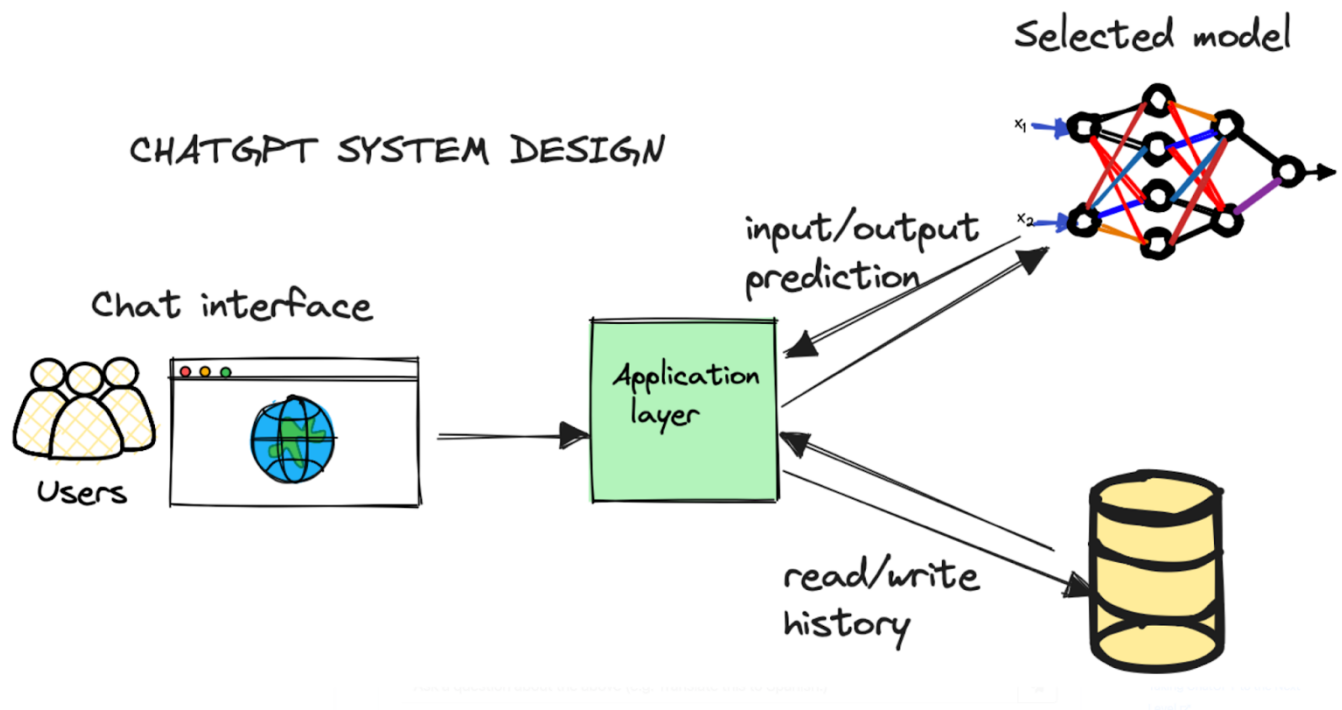
Agenda

- What is a Transformer Model?
- What are LLMs?
- What is GPT (Open AI's LLM)? How was it built?
- High Level Architecture of how ChatGPT works? What makes it have conversations with us?

GPT Training and Answering

Credit: ByteByteGo (https://blog.bytebytego.com/p/ep-44-how-does-chatgpt-work)

HLD of ChatGPT

Credit: Algodaily (https://algodaily.com/lessons/chatgpt-system-design)

Functional Requirements:
- Support natural language conversation.
- Handle millions of users
- Low latency response
- Moderated response without bias, explicit nature of content or misleading information
- Secure storage of all the data.
- Interpreting requests and selecting the appropriate model - Text interpretation and generation, Image interpretation and generation, Code interpretation and generation