Advanced Programming C#

Lecture 13

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Project

Project part III

- Final Date: <u>24.01.2020</u> (next week!)

- Presentations (max 5 min per project!):

  - 1 poster/slide that advertises your project

  - 1 slide listing implemented functionalities

  - presentation of the program

    - real-time presentation of the application

  - to be shown to the whole group

- Code will be evaluated

  - Project **<u>must</u>** be shared via git repository as well

  - If application does not meet basic requirements/functionality, the project is not graded

Push project into github

VS with GitHub

- https://learn.microsoft.com/en-us/visualstudio/version-control/git-with-visual-studio?view=vs-2022

chat GPT

Chat GPT

- **https://chat.openai.com/**

  - Create account

  - Log-in, and start chat

- Chatbot GPT (Generative Pre-trained Transformer) refers to a chatbot that is powered by the GPT architecture developed by OpenAI. GPT is a type of artificial intelligence model designed for natural language processing tasks. It has been trained on a diverse range of internet text data and can generate human-like text based on the input it receives.

Chat GPT for coding

- **Code Assistance:**

  - Developers can use a chat GPT to get assistance with coding problems or debugging. By describing the issue or the code snippet, the chatbot can provide insights, suggestions, or solutions.

- **Code Generation:**

  - Chat GPTs can generate code snippets based on high-level descriptions or requirements provided by the user. This can be helpful for quickly prototyping or exploring potential solutions.

- **Learning and Documentation:**

  - Developers can use chat GPTs to ask questions about programming concepts, language syntax, or any other coding-related topic. The chatbot can provide explanations or point to relevant documentation.

Chat GPT for coding

- **Code Reviews:**

  - Chat GPTs can assist in code reviews by analyzing code snippets, identifying potential issues, and suggesting improvements in terms of best practices or optimization.

- **Idea Exploration**:

  - Developers can use chat GPTs to brainstorm ideas or discuss architecture decisions. By describing the requirements or constraints, the chatbot can provide suggestions or help in refining ideas.

- **Language Translation:**

  - Chat GPTs can assist in translating code from one programming language to another. Developers can describe the functionality they want, and the chatbot can generate equivalent code in a different language.

- **Code Snippet Search:**

  - Developers can ask chat GPTs for specific code examples or solutions to common programming challenges. The chatbot can provide relevant code snippets or point to external resources.

Chat GPT for coding

When using Chat GPTs for coding, it's important to be

clear and specific

in your queries, providing **as much context as possible**.

While these models are powerful, they may not always understand ambiguous or vague requests, and their responses should be carefully reviewed and tested before implementation.

Additionally, relying solely on a chatbot for critical coding tasks might not be recommended; it's always a good practice to understand and validate the generated code.

Chat GPT

- **<u>Write a c# windows forms code for a paddle game:</u>**

  – Create new project

  – Fix the issues

  – Add additional questions

    - "how to add an image as resource in vs 2022 project"?

    - "code to create a picturebox with ball image in windows forms"

THE END

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