Generating a Refactoring-Story with AI



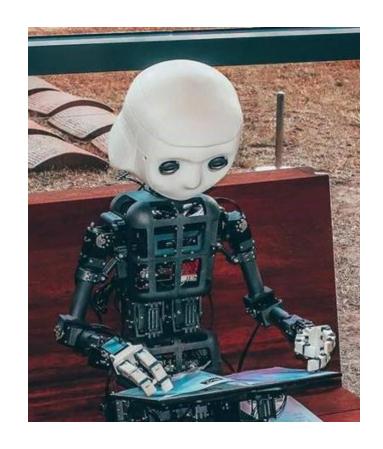
My Idea

Why work something hard when someone else can do it in seconds.

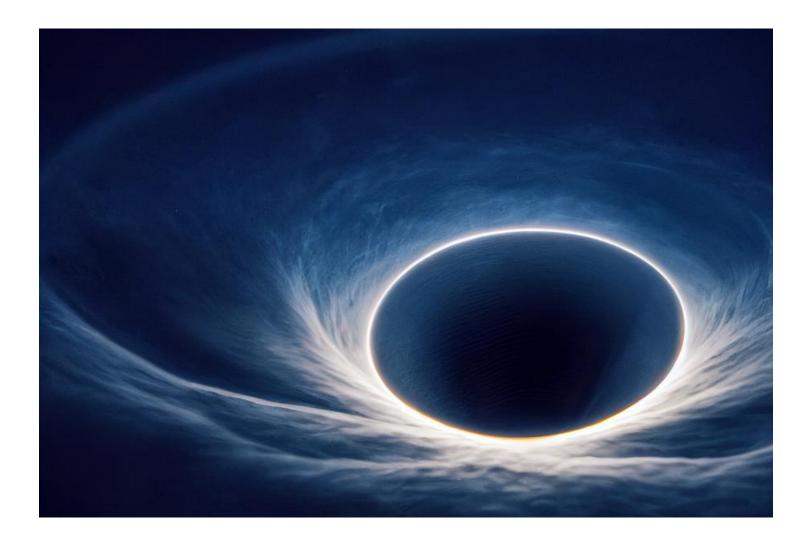
Creating a

Presentation on software refactoring in Java

with the use of AI (Artifical Intelligence)

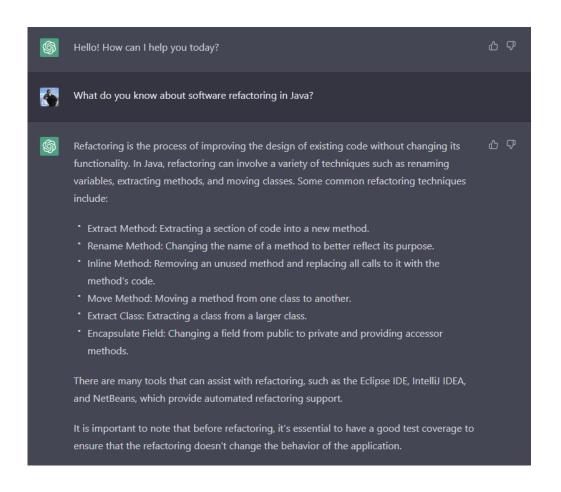


My knowledge of Al



Starting using ChatGPT

ChatGPT (Generative Pre-trained Transformer)



ChatGPT

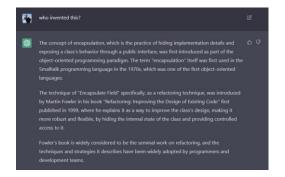
How does the technic Encapsulate Field works?

Can you reveal more details?



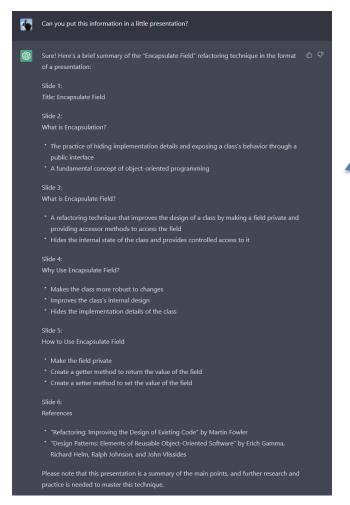
How does the technic Encapsulate Field works? The "Encapsulate Field" refactoring technique in Java involves making a field (i.e., a variable) private and providing accessor methods (i.e., getter and setter methods) to access the field. This technique is used to hide the implementation details of a class and make it more robust String name; field, and the 'setName()' method sets the value of the 'name' field. details of the 'Person' class are hidden from other parts of the program. This makes the class more robust to changes, as the internal representation of the 'name' field can be

Who invented this?



ChatGPT

Can you put this information in a little presentation?



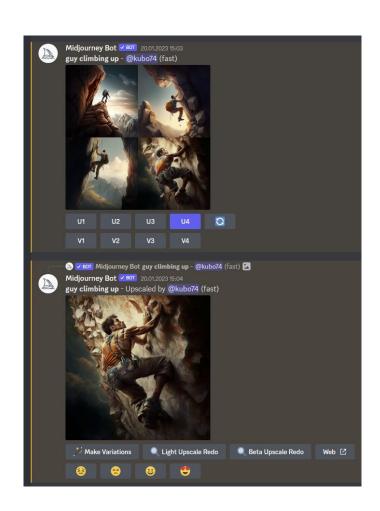
So that's my presentation

Design? Readability?



Midjourney

Text to image generator based on AI





how many arms does this climber have?

Cool

I can create a picture of Alex and Marco

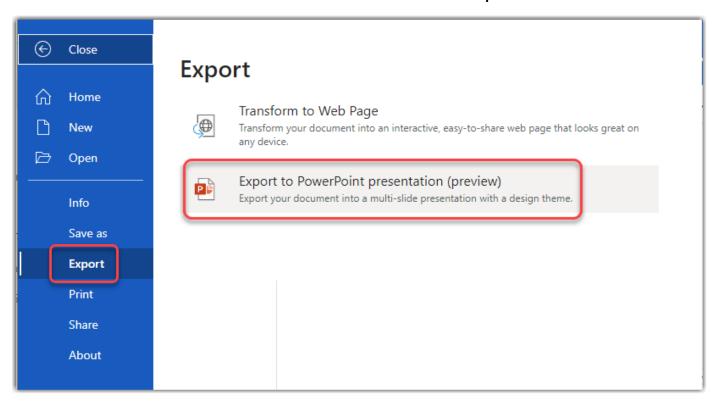


But i still have not my presentation!



Microsoft Al

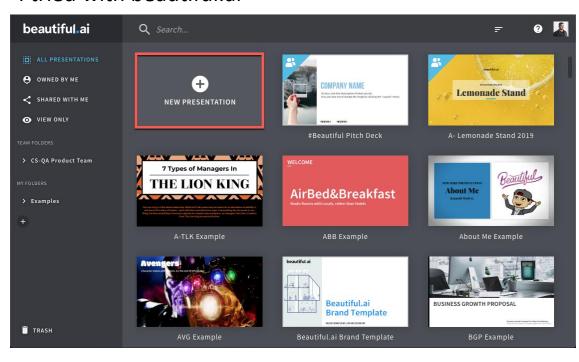
Transformation of a Word-File in a Power-Point presentation



For unknown reasons it didn't work

Beautiful Al

I tried with beautiful.ai

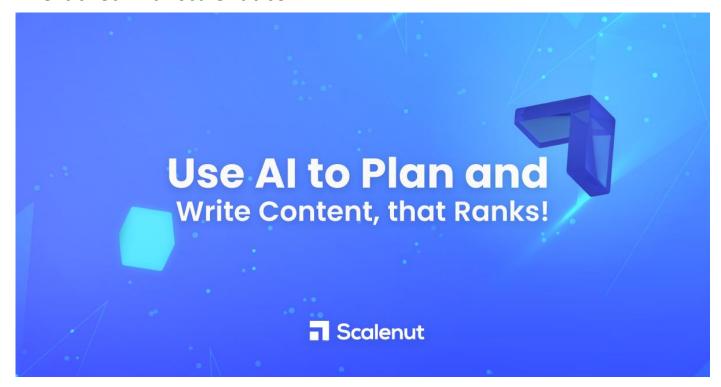


- good tool to create presentation
- automated design suggestions

 but still no generator to create a whole presentation

Scalenut

Next tried with scalenut.com



Al support when creating a product presentation, for example. But not in a presentation about software refactoring

Time is over



Unfortunately, the time for my research is already over.

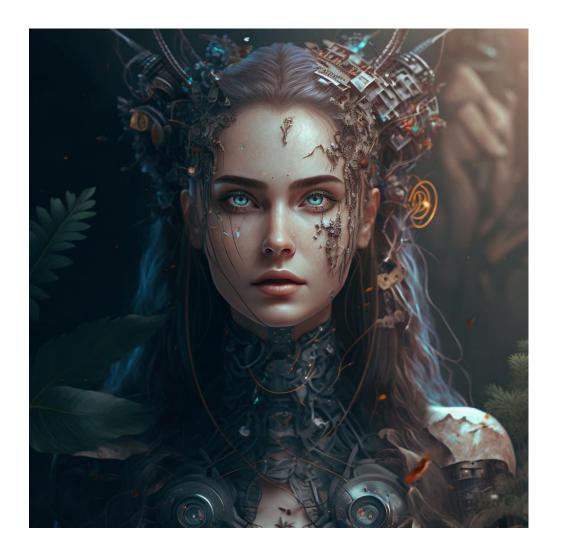
Sorry, no presentation on software refactoring in Java

Fazit

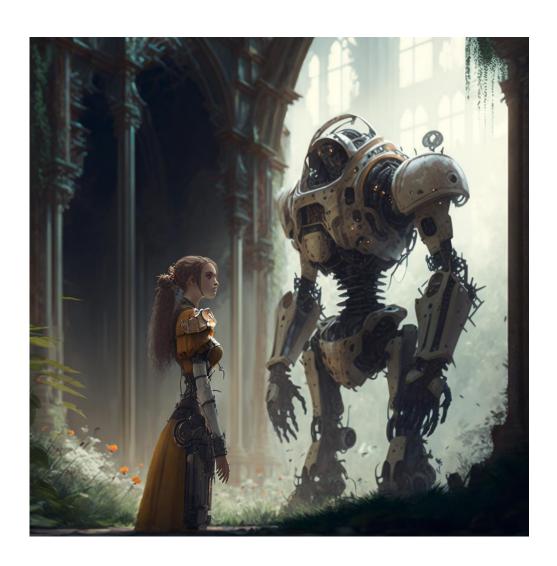
- Al tools are rarely powerful
- With the necessary knowledge, you will certainly have a beautiful presentation created in a short time.

But ...

- Although you think AI is omniscient... it does not know what you want.
- How to operate the AI is not always intuitive. It takes some experience to work with these tools.



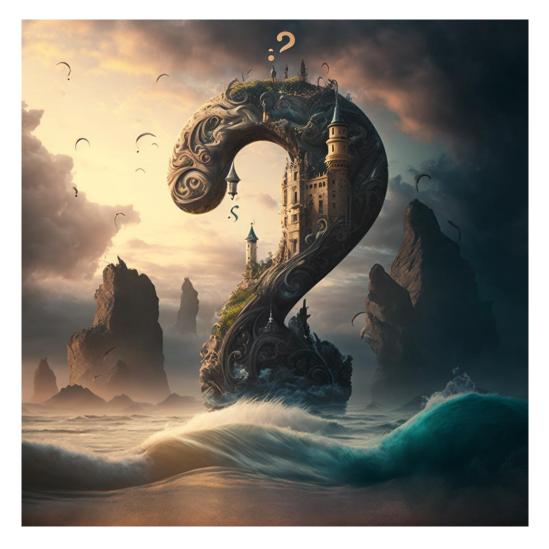
Fazit



Was it a mistake to try it?

- Definitely No
- Learned a lot
- I may use ChatGPT more often
- Creating images absolutely cool

Questions



Marc Schuler - Alcor Academy - Running - May 2022

Thank you



Marc Schuler – Alcor Academy – Walking – May 2022



References

Images:

- Midjourney
- Google search



Tools:

- ChatGPT
- Midjourney
- beautiful.ai
- scalenut.com



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