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Project InfM  
SoSe 24  
Group C



# Team



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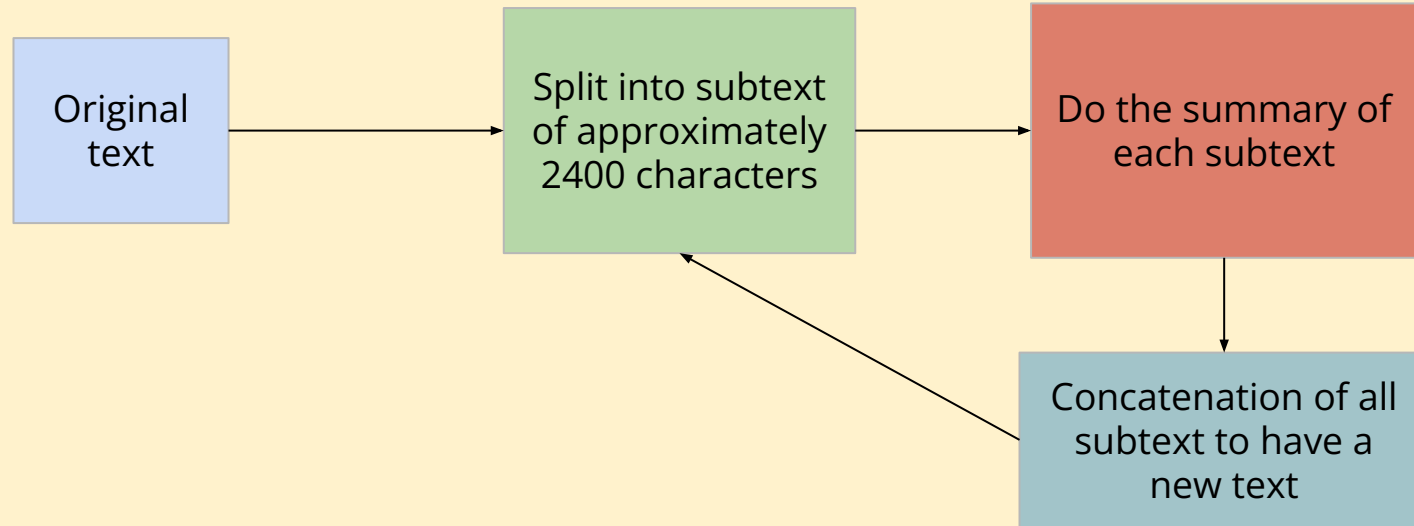
# Tasks

- Create a program for summarizing a text using LangChain ( on Google Colab)
- Create a program for text-to-speech to speak the summarized text aloud. Preferably in multiple languages ( on Google Colab)
- Create a user interface allowing one to download a pdf and directly get a .pdf and .mp3 file

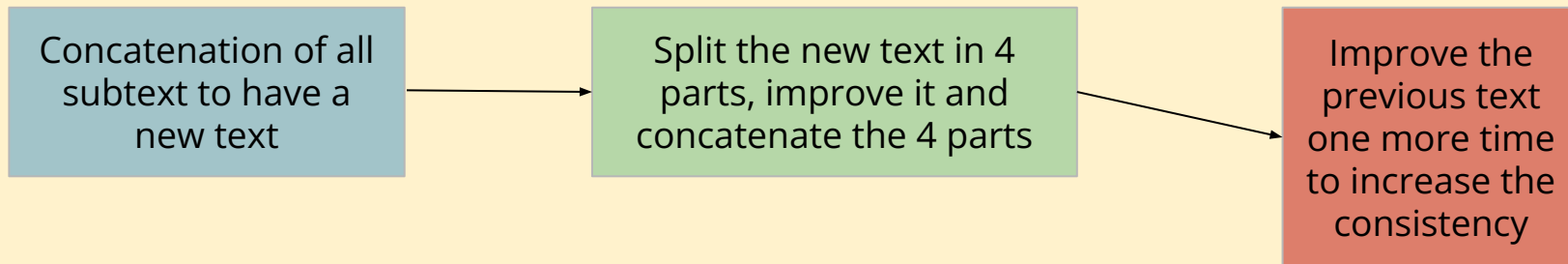
# LLMs, what are they ?

- A large language model (LLM) is a type of artificial intelligence model designed to understand and generate human-like text based on vast amounts of data.
- They all follow the transformer architecture.
- They have an incredibly large number of trained parameters. Often several billion.
- Ex : BERT, GPT series.

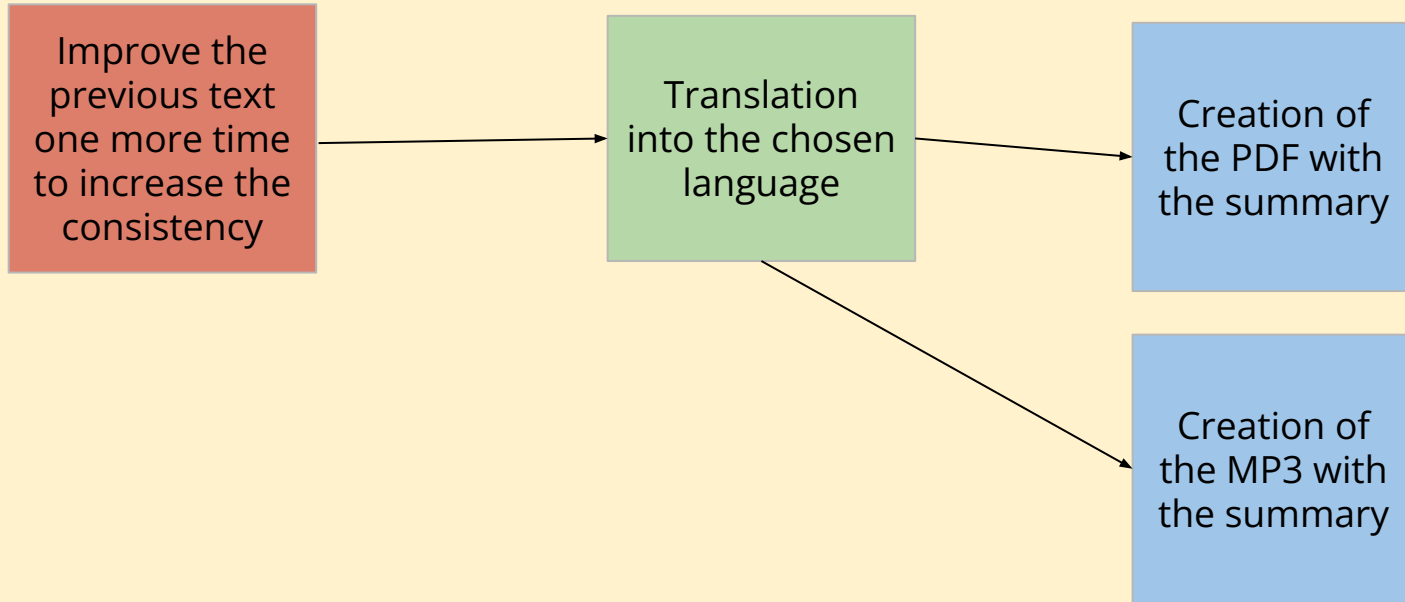
# How the summary task works



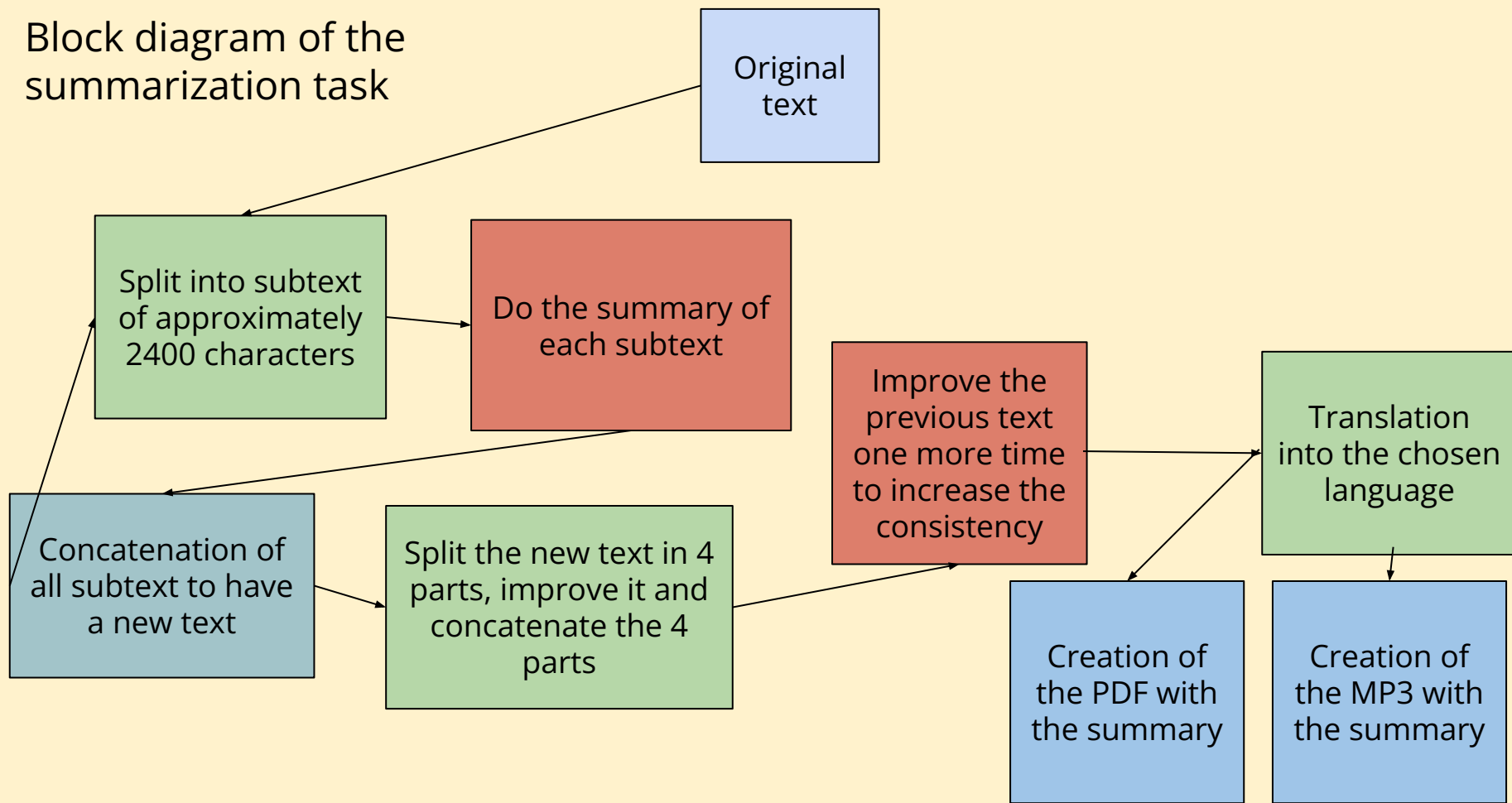
# How the summary task works



# How the summary task works



## Block diagram of the summarization task





# Results (demo)

# Conclusion