

## AI4DM project2 | Milestone1 | Chengzhi Zhang

1. Github link:

[https://github.com/chengzhiz/F24\\_AI4DM](https://github.com/chengzhiz/F24_AI4DM)

2. Design processes:

There's two steps I need to achieve: generating an yes/no question and providing the answer. For question generation, I chose the Llama model from Hugging face <https://huggingface.co/meta-llama/Llama-3.2-1B>

For providing answers, I chose OpenAI's ChatGPT-4o model due to its efficiency and it's the most popular model that everyone uses.

### LLM of Truth

Is Atlanta in France?

**Yes - General Knowledge and Fact Verification:** LLMs are highly effective at answering general knowledge, fact-checking, and basic logic questions.

1. **\*\*Personal or Contextual Information:\*\*** LLMs don't know personal details about you or your life, so they can't give advice based on your specific situation.

2. **\*\*Personal Opinions:\*\*** LLMs don't have personal feelings or opinions, so they can't answer questions about what someone might like or prefer.

3. **\*\*Predicting the Future:\*\*** LLMs can't predict the future. They only know things that have already happened, so they can't tell you what will happen later.

4. **\*\*Deep Personal Issues:\*\*** LLMs aren't able to help with very personal problems. These kinds of questions need a deep understanding of emotions, which LLMs don't have.

5. **\*\*Medical or Legal Advice:\*\*** LLMs shouldn't be used for advice on health or legal issues. You should talk to a doctor or lawyer for these kinds of questions.

6. **\*\*Questions Using Senses:\*\*** LLMs can only understand text, not things you can see, hear, or feel. They can't answer questions that need sensory information like sounds or images.

7. **\*\*Emotions or Relationships:\*\*** LLMs don't understand human emotions or relationships well. They can't help with questions about feelings or personal connections.

8. **\*\*Art or Literature Interpretation:\*\*** LLMs don't have personal insight, so they can't really interpret art or literature in a deep, emotional way like people can.

9. **\*\*Speculative or Theoretical Questions:\*\*** LLMs can't answer questions about things that haven't been proven yet or are just theories. They stick to facts that are known.

10. **\*\*General Knowledge and Fact-Checking:\*\*** LLMs are really good at answering general knowledge questions and checking facts, as long as the information is something they have learned before. They're great for questions about history, science, and technical details.

3. Artistic Statement:

**LLM of Truth** is an installation inspired by the Rome tourist spot Mouth of Truth, with the LLM as its backbone. The user can ask a yes/ no question and the model would answer it with yes/ no based on its knowledge. For instance, if the participant states "I feel good today", the LLM is unable to distinguish whether it's true or not due to a lack of participant's information.

It has 10 categories for stating why it is true/false:

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4. Youtube Video:<https://youtu.be/YnNIEzbKPkQ>