Translator

Make the database accessible to people who don’t know coding

Define your product mission

- collect text in human language X and translate this text into machine language Y

Define your users

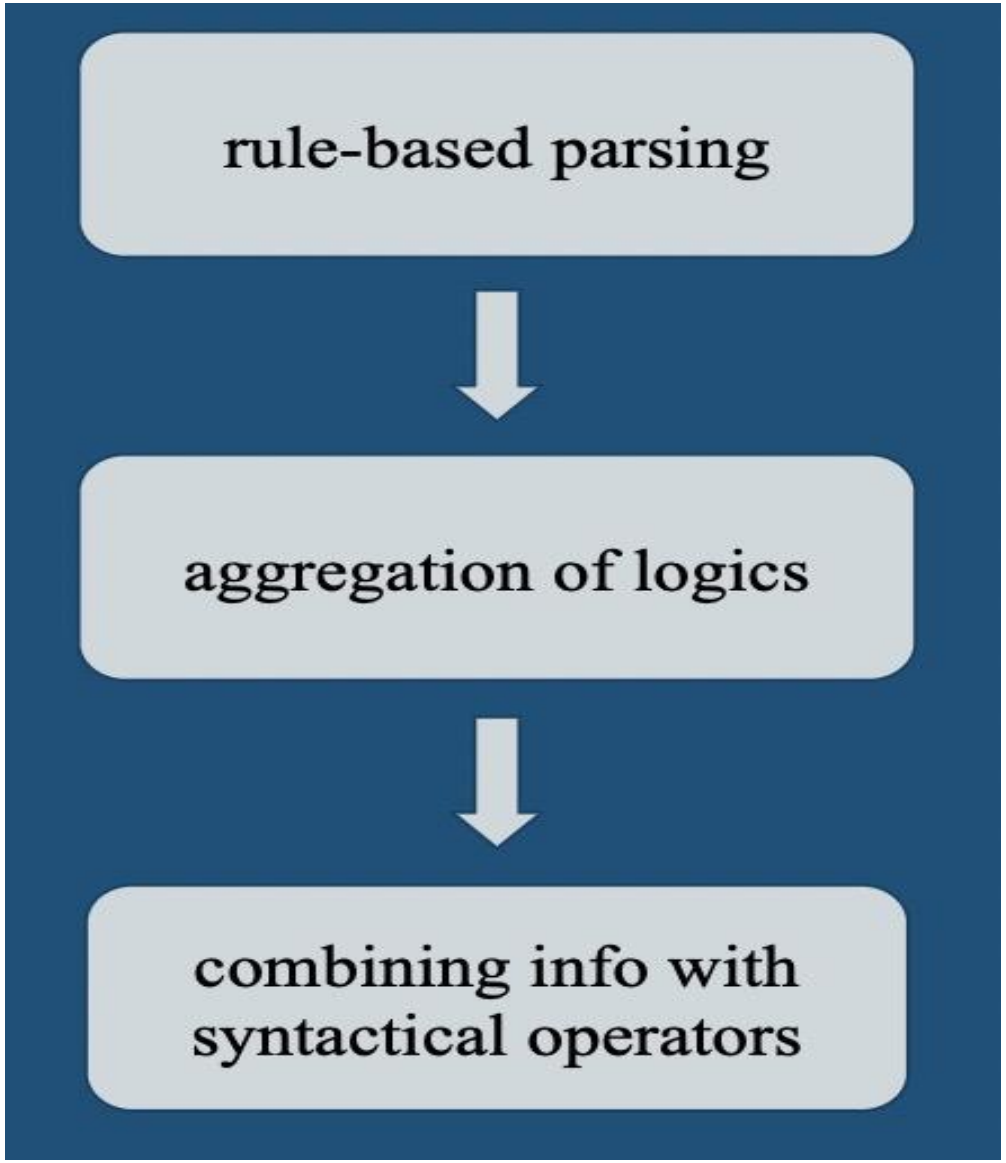
- 1.Be curious to have own translator
- 2.Want a translator for machine language
- 3.Who know nothing about coding
- 4.Or maybe some other reasons

Comprehensive literature review

- NLP: NLP(Natural language processing) refers to the branch of computer science. It’s concerned with giving computers the ability to understand text and spoken words in much the same way human beings can.

Comprehensive literature review

- SQL: The main idea is to create patterns and matches, both full and partial, and feed them into SQL schema-based rules to transform the natural text question.



Define user stories

- users input a text in human language X.
- translate this text into machine language Y

Define MVP and MVP user stories

- 1.the function of input
- 2.the function of translation

Technologies to evaluate and reason for choosing them

- Python
- Reason for python:
- Python has very strong tool box and various libraries for dealing with huge dataset. It can also do complex string operations to generate sql queries and separate logic parts from original natural language queries.
- On the other hand, many machine learning models are constructed based on python. This provide us with more methods of perfecting our projects.

Technologies to evaluate and reason for choosing them

- SQL
- Reason for SQL:
- SQL is short for Structured Query Language. SQL is the standard language to maintain and manage a database. Most of the databases' queries for retrieving, adding, or manipulating data are based on the standard SQL syntax. It is the most widely used database language over the world. So choosing SQL as our translation output will provide our projects with wide field of application.

Next Sprint goals

- Explore several open-source projects and compare their advantages and disadvantages

Thanks!