Conversational AI

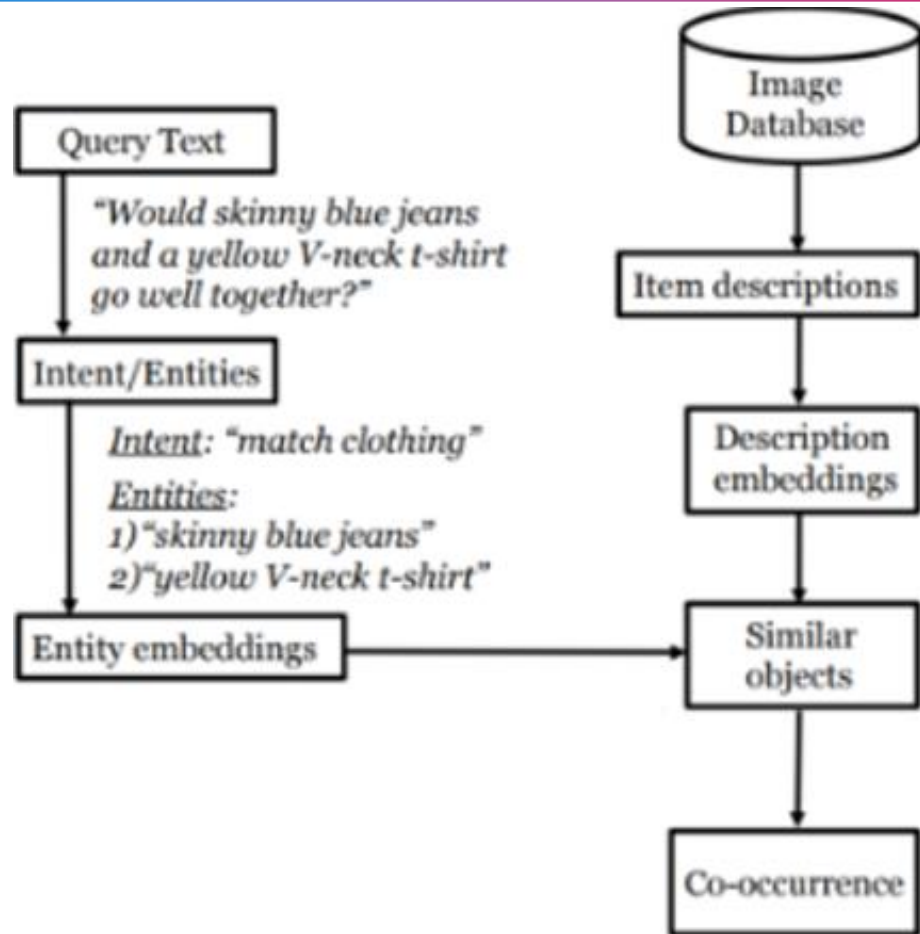**Demo presentation**
Sixth week

June 2022

Content

- Quick Recap

- Progress of the week
  - ❖ Semantic check
  - ❖ Dataset improvements
  - ❖ Similarity check / discussing new metrics

- Next steps

- Questions

Quick Recap

Progress of the week

Semantic check

```
In [5]:   classify("can I eat blue jeans ?")

Out[5]:   'Semanticly False'


In [15]:  classify("Will black boots match brown skirt ?")

Out[15]:  'Semanticly True'


In [11]:  classify("What can match my blue jean ?")

Out[11]:  'Semanticly False'


In [12]:  classify("What can I wear with my white shirt ?")

Out[12]:  'Semanticly True'


In [14]:  classify("Can I have a blue jacket ?")

Out[14]:  'Semanticly False'
```

Dataset improvements

Difficulties:

Dataset improvements

2 Different Approaches

1) Cleaning the current dataset:

We are trying to clean the images with multiple people

- Calculating the distance between items
- Calculating the size of the items

2) Changing the dataset

Similarity check / discussing new metrics

- Improving the co-occurrence matrix with similar items

- Discussing metrics to count the occurrences of similar items

- Discussing metrics to count the values of the co-occurrence matrix and give more suitable responses

Next steps

- Combine everything to have a complete telegram bot

- Test the new dataset

- Continue improving the pipeline

THANK YOU!

Time for your questions