Rasa Intermediate course session 2



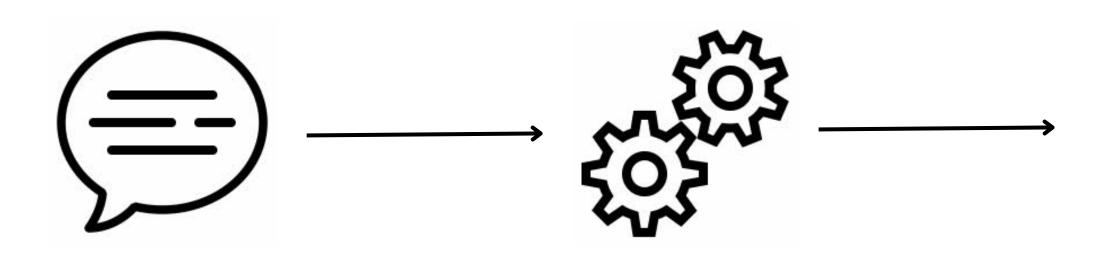
What we will learn?

- What is NLU
- Understanding intents
- Understanding entities
- What is NLP
- Adding intents
- Adding support for entities
- Training nlu model and testing
- Best practices for NLU

Different kinds of bot Level 5 Level 3 Level 1 Hi Dishant, how many hours of exercise you do daily? Hi, a friendly reminder that your I probably workout around 1hr a day insurance expires in 2 days Great, would you like to have a diet **Notification Assistants Contextual Assistants** Level 4 Level 2 **Autonomous** Hi Dishant, we have lunch a new Organization range of products, based on your purchase history would like to have how much does a shipping cost? some suggestions? of Assistants You can check out our shipping policy here: https://amazon.com/shipping <DC/> Personalized Assistants FAQ Assistants

What is NLU

• Natural Language Understanding



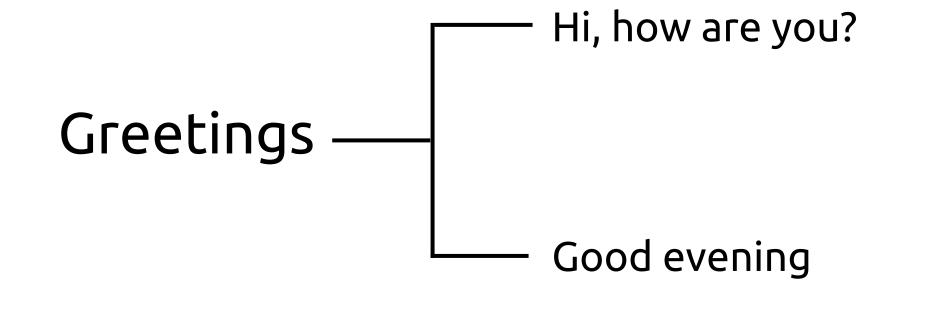
Hi, I want to deposit some money

Processes request to understand intention



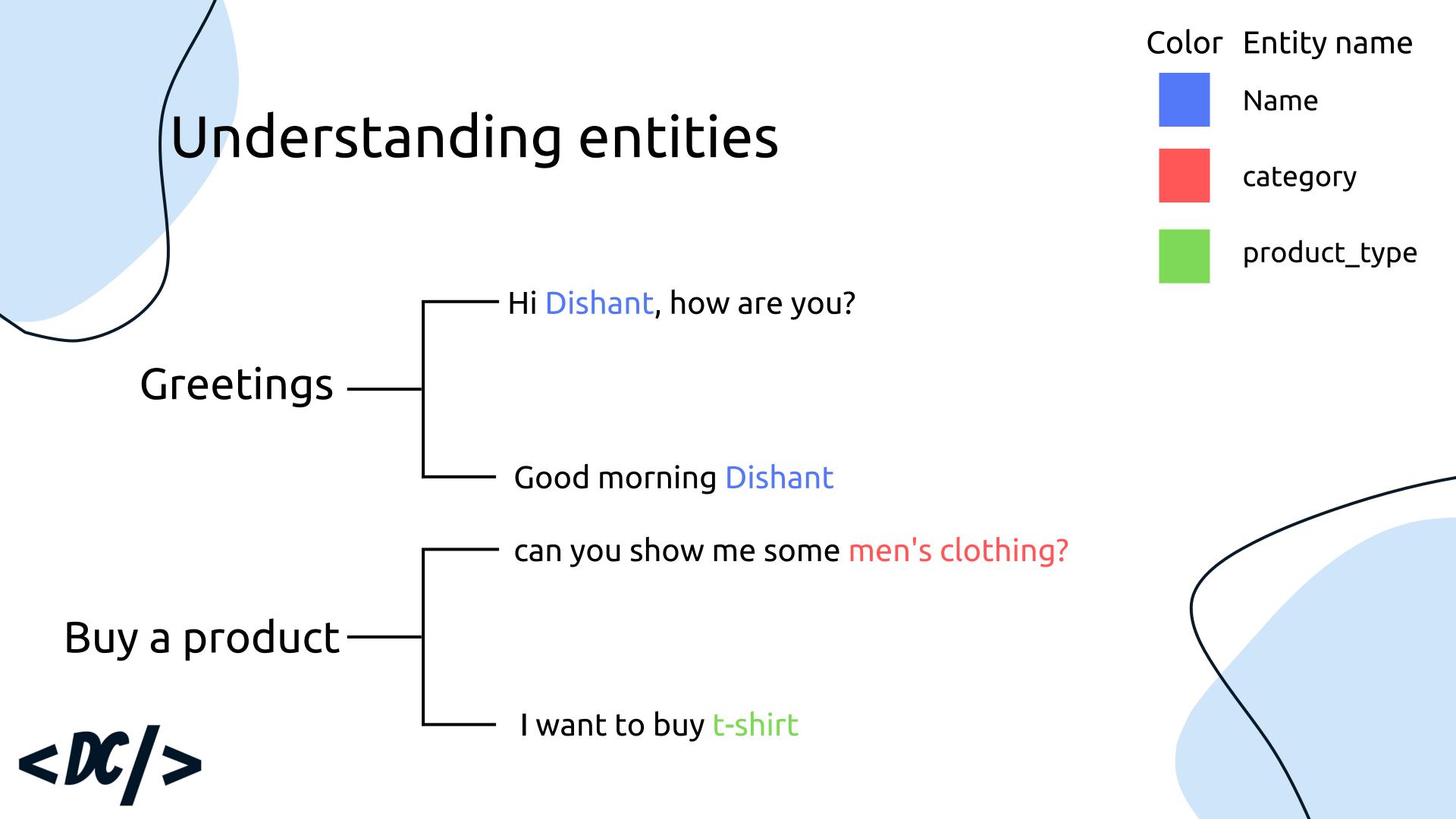
Sure, please provide amount of money

Understanding intents

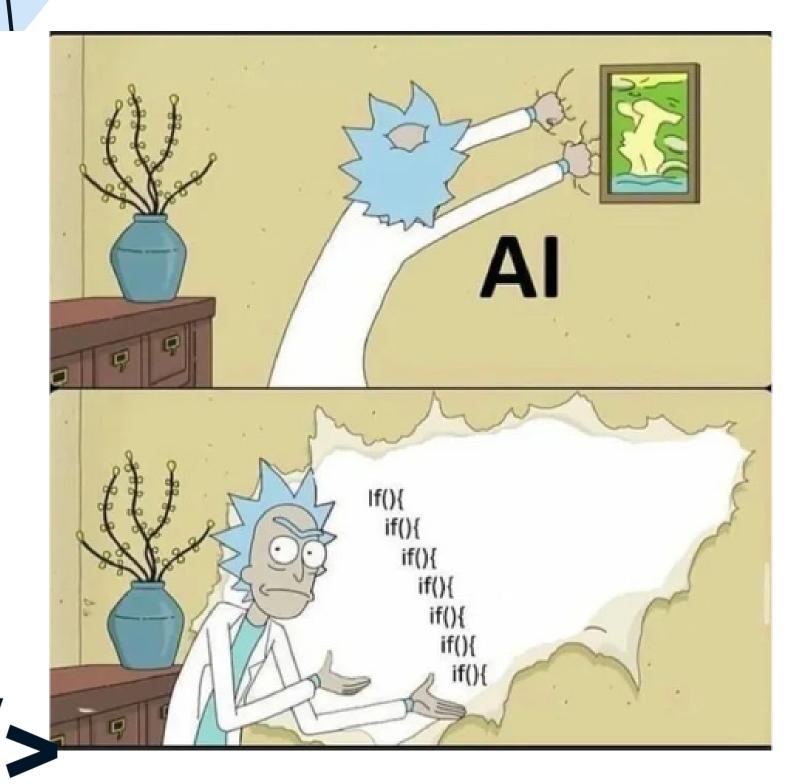


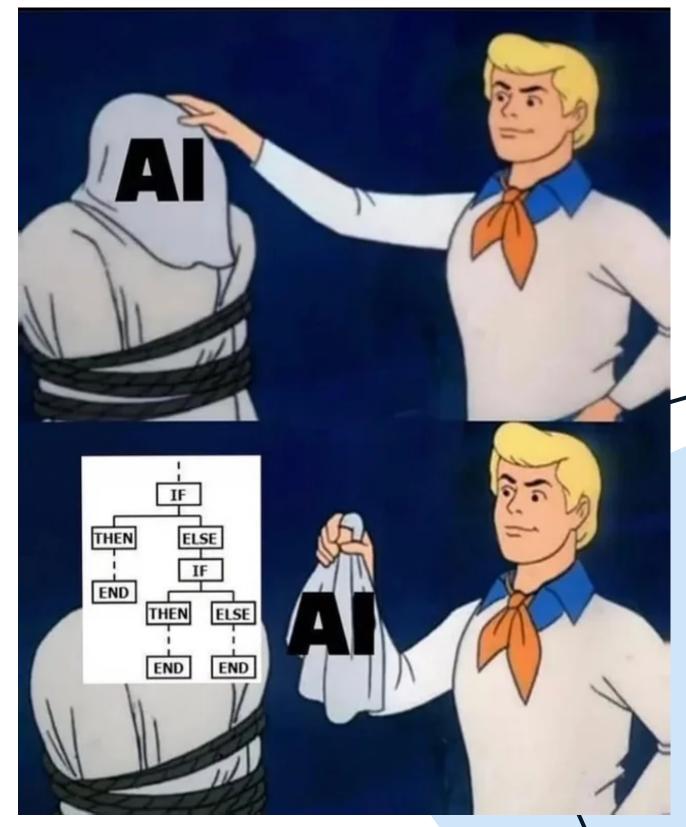
Buy a product — I want to buy t-shirt





Understanding Natural Language Processing (NLP)





Understanding Natural Language Processing (NLP)

NLP is a branch of Al

- We use different models, libraries to process text
- Neural networks are used for complex assistants,
- nltk, tokenization, bag of words, POS taging are few methods used in NLP
- NLP is also used in sentiment analysis
- Many social media apps use NLP for fake news detection, abusive language detection, etc.



Adding intents



Adding support for entities

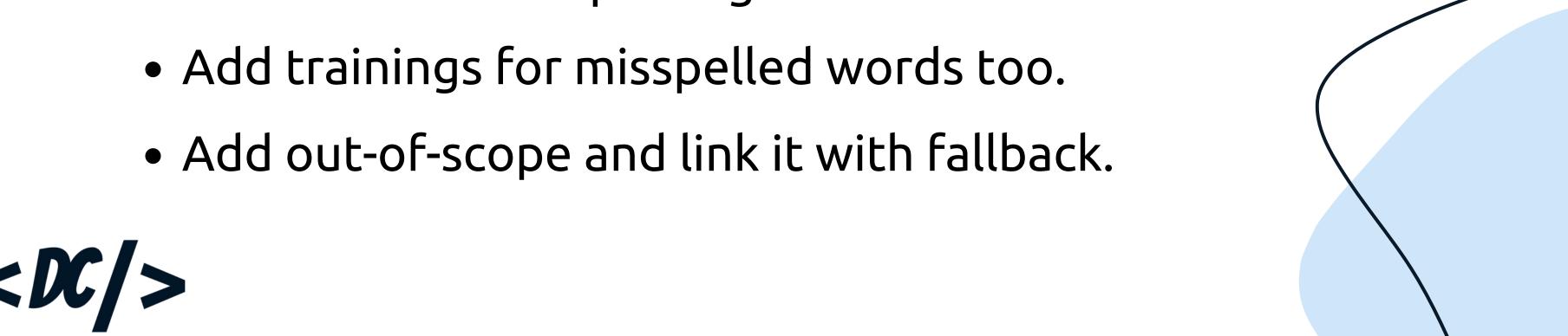


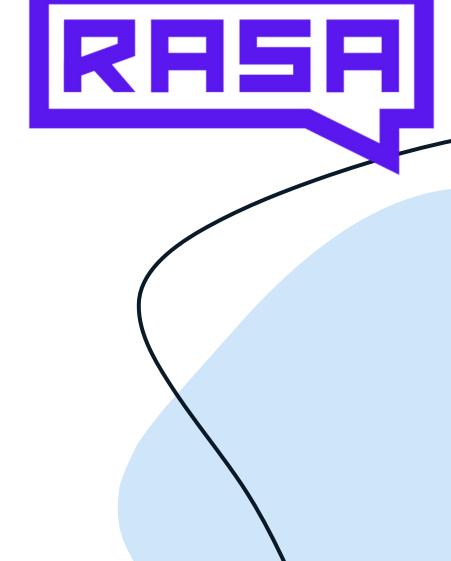
Training NLU model



Best practices for NLU

- Add minimum 10 trainings for each intent
- Distribute all intents by categories.
- Use real data
- Use Entities for capturing values





Summary

- Understood NLU
- Learned intents and entities
- What is NLP
- Implemented intents, entities
- Used and understood rasa NLU server
- Best practices for Rasa NLU



Thank you!

