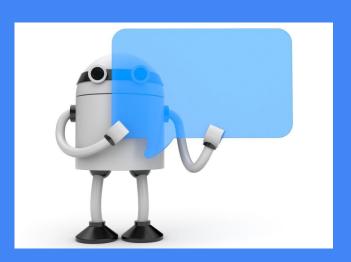
# How to Build a Chatbot under 30 minutes



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Powered with <3 by GitHub

## Chatbots, huh!





# The Motivation

## Movies







# That Dumb thing

# Build bot in 15 mins with nodejs Link

#### Problems:

- It's stupid -\_-
- 2. It's really stupid, it just gives text to specific replies.
- 3. Making it smart required me to use NLTK.
- 4. Too many lines of code.
- 5. I'm lazy

# Risky Dumb thing

### DoNotPayBot

A chatbot programmed by a British teenager has successfully challenged 160,000 parking tickets since its launch last year.

About 250,000 people have used the free service so far, said its creator, Joshua Browder.

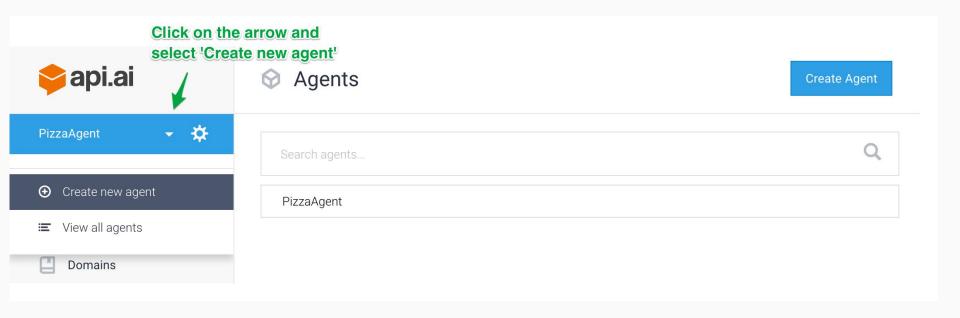
The Do Not Pay bot currently works in the UK and New York in the US. It asks a series of questions to determine the validity of a penalty notice. It can also be used to work out compensation for delayed flights. Mr Browder told the BBC he hoped it proved bots could be useful.

trains and claiming PPI. Talk to me by typing in the message box below or ask "what can you do" for a list of i got a parking ticket **(3)** Was your car stolen then? **(3)** here to generate your appeal.

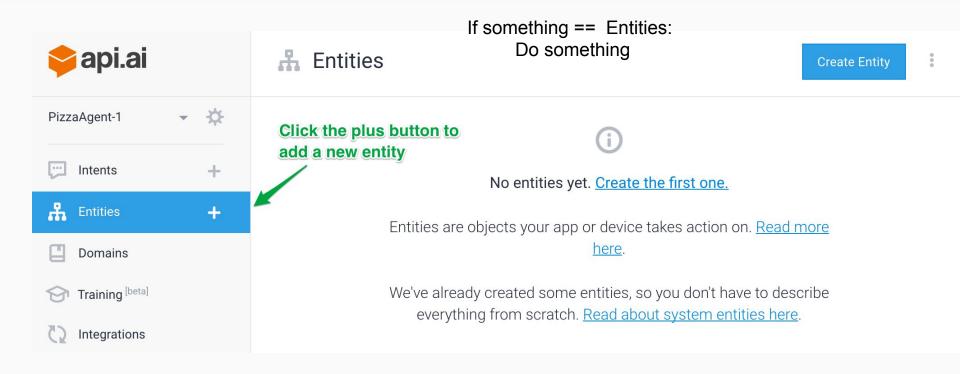
http://www.bbc.com/news/technology-36650317

# Google acquires API.AI, a company helping developers build bots that aren't awful to talk to

#### **Create Agent**



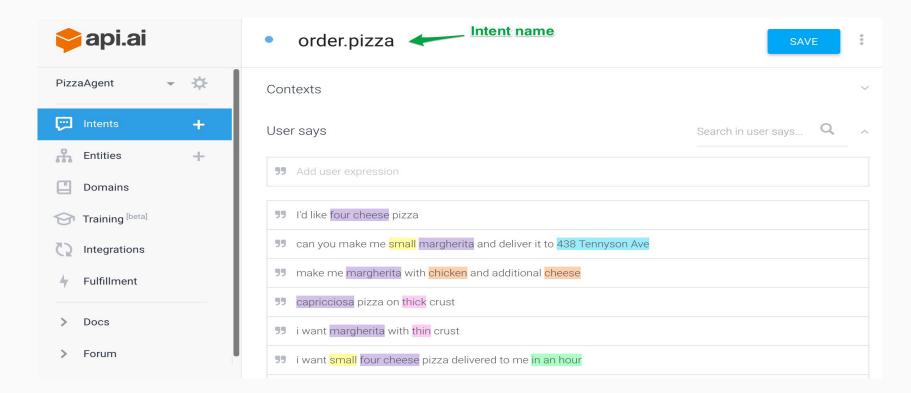
#### **Create Entities**



Entities represent concepts or objects that are often specific to a use case. They are used for storing possible parameter values (along with their synonyms) that need to be returned in the JSON response to a query.

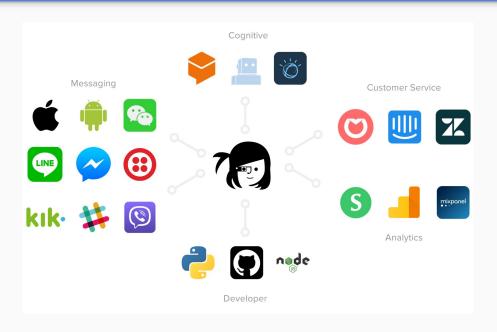
#### Create Indents

An intent determines what kind of user requests should be understood and to what actionable data (JSON response) those requests should be converted.



# Demo: <a href="https://console.api.ai">https://console.api.ai</a>

# There are many other ways





# Bots get confused a lot



# Framing the reply is the hard part



# Tips

- 1. Always use small loops of text.
- 2. Use contexts to fetch info.
- 3. Use quick replies , they are awesome

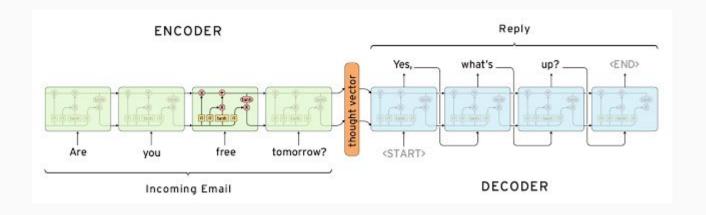
Awesome lists:

https://github.com/abdelhai/awesome-bots

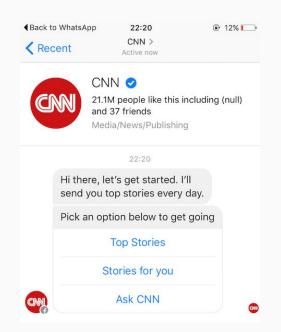
https://github.com/hackerkid/bots

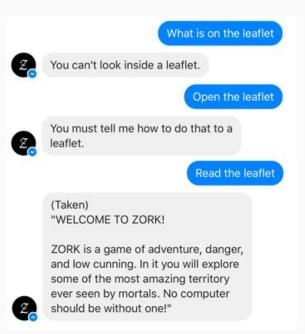
### Going deeper

**Generative models (harder)** don't rely on pre-defined responses. They generate new responses from scratch. Generative models are typically based on Machine Translation techniques, but instead of translating from one language to another, we "translate" from an input to an output (response).









# Thank You