

Helping Eye

Accessibility

Text to speech for the visually impaired is inconvenient

Solution: a chatbot designed to carry out user instructions on any web interface

Top 10 Reasons Why Cats is... Extensions

youtube.com/watch?v=J-werwF6PQI&t=24s

Helping Eye

Enter a command

play the 4th video

hit like

Hitting the like button

subscribe

Hitting the subscribe button

Enter a command Send

watchmojo

10K 1.2K SHARE SAVE ...

SUBSCRIBED

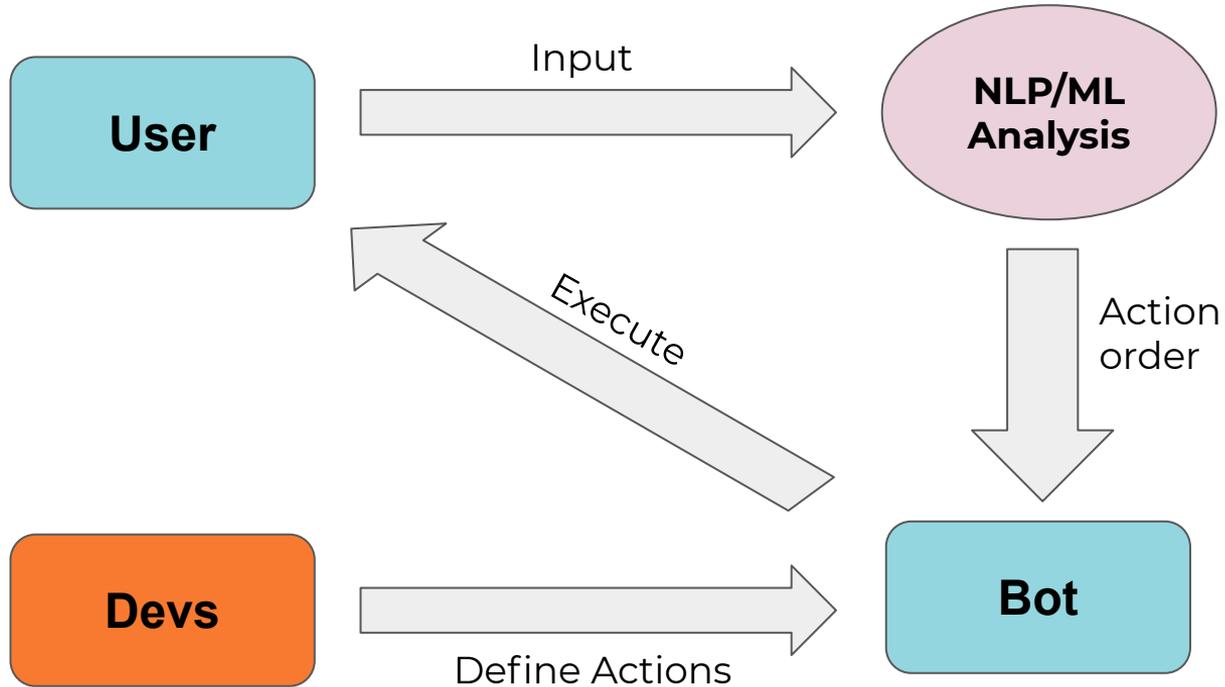
'Cats' is the WORST. For this list, we're taking a look at

Technologies

- Chrome extension with interactive chatbot built in React
- Natural Language Processing and Model Training of phrases using Azure's LUIS API
- Bot execution of input in Node.js
- Developer additions done with LUIS programmatic API



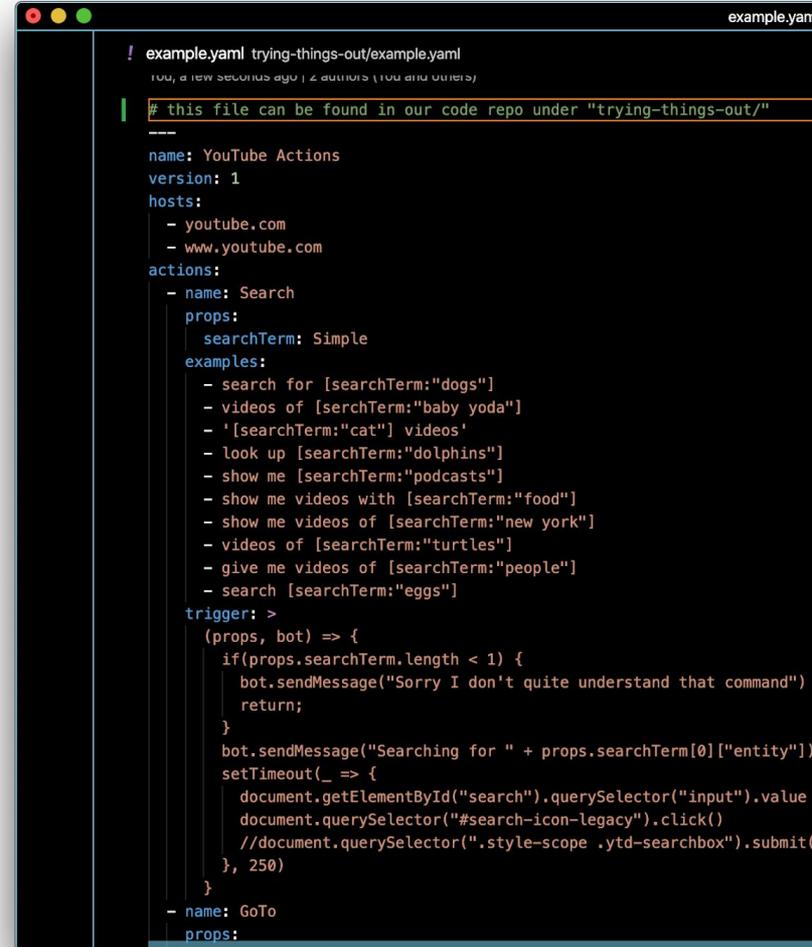
Our Process



This isn't a hardcoded bot!

We created a YAML schema that allows developers to define all the actions in their site. With this file, we automatically make calls to Azure's LUIS API which creates an NLP model.

Basically this allows web developers to get a chatbot "for free"



```
! example.yaml trying-things-out/example.yaml
100, a few seconds ago | 4 authors (100 dir outputs)

# this file can be found in our code repo under "trying-things-out/"
---
name: YouTube Actions
version: 1
hosts:
  - youtube.com
  - www.youtube.com
actions:
  - name: Search
    props:
      searchTerm: Simple
    examples:
      - search for [searchTerm:"dogs"]
      - videos of [serchTerm:"baby yoda"]
      - '[searchTerm:"cat"] videos'
      - look up [searchTerm:"dolphins"]
      - show me [searchTerm:"podcasts"]
      - show me videos with [searchTerm:"food"]
      - show me videos of [searchTerm:"new york"]
      - videos of [searchTerm:"turtles"]
      - give me videos of [searchTerm:"people"]
      - search [searchTerm:"eggs"]
    trigger: >
      (props, bot) => {
        if(props.searchTerm.length < 1) {
          bot.sendMessage("Sorry I don't quite understand that command")
          return;
        }
        bot.sendMessage("Searching for " + props.searchTerm[0]["entity"])
        setTimeout(_ => {
          document.getElementById("search").querySelector("input").value
            document.querySelector("#search-icon-legacy").click()
            //document.querySelector(".style-scope .ytd-searchbox").submit
          }, 250)
        }
      }
  - name: GoTo
    props:
```

Impact

Redefine Accessibility

Empower Creators

Include Everyone

