

# Guru To Go

A portable Guide through all situations in Life



# Structure

FAQ Mode	Buggy but Largely working. Prob: Rephrasing impossible
Meditation Mode	Working
Emotion Journal	Mostly Working
Library	Working, could use more links

# Technique

## Frontend: Dialogflow

- Custom Entities (Meditation types, Sentiments, ...)
- Intents (First-Level-Conversation directions)
- Contexts (Conditions for further conversation directions with Variables)
- Backend Communication

## Backend: Custom Server

- Receives JSONs with conversation states
- Database for users, emotions, ...
- Sending & storing the meditations
- Everything that's more than Q&A

# Technique

Users, Sessions & Sentiments:

```
<User(id='1', name='chris', created at='2020-02-13 19:38:35.811912')>
```

Sessions:

```
<Session(user='chris', starttime='2020-02-13 19:38:35.820253', length='None', id='projects/gurutogo-1d66d/agent/sessions/efe06c99-7ed2-f0d6-81c4-7e2bc63218f8')>
<Session(user='chris', starttime='2020-02-13 19:45:14.044061', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHEhEC28y9-5cl-H0jd8h5tGfyDyUvLAHq5JIg8c8C-GdY7jHgbZehvch0Tes-7uvw5daSQF0-cQ018')>
<Session(user='chris', starttime='2020-02-13 20:16:12.800362', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHGtDC7LbeJtSp8sufLh0PgPwhl-buHPhiB0zJgqck1hsC1InZ02fwsW6ZRTn-Li6x1laxx8-buvn9Y')>
<Session(user='chris', starttime='2020-02-13 21:11:32.793467', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHFVLSakfbxwEeQVcXllecbyLodrbZxkF2-EiCjd-97sAfunIGB8P1asChzMd4Nu2ZugBXne3KTby2Y')>
<Session(user='chris', starttime='2020-02-13 21:17:39.508621', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHFBV37uu9llaDBtVdsxu45XvEK7zKZocLatYgKzWpga2Jb40IScPlQkz ANnjwHvP4l20qVK3j0HE')>
<Session(user='chris', starttime='2020-02-13 21:25:31.800410', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHH5fUVHGlcTvSGo3fiWrywDCYZ34JoExyWQPWBoZc06x6nVGpjtTnELyQUD_7Nvr_cs2D16HwoPo')>
<Session(user='chris', starttime='2020-02-13 21:27:00.323939', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHGP3JsfuXyS8-V7y4Gd_73vQYgQmfpY_Z3DwOn6iHjuRTTY9CEqNIfeVoDsZkeRxtt7qV3VRd6HvI')>
<Session(user='chris', starttime='2020-02-13 21:28:09.683748', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHFxvOy0QFgw1VDrLkfxVCudnQEItCJAfZcbPTUNz43I6lgYnQfcIwz5bpqaXe4zFs9wABiZu98L068')>
<Session(user='chris', starttime='2020-02-13 21:30:19.340747', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHes2UY30pxrpVjyZPhEp1EMsAHw0t_yEqg_7ZLaMUKlTrdJxcTME_BPKwZqZ0IK0gzZWHHy5XhFJT')>
<Session(user='chris', starttime='2020-02-13 21:32:24.503509', length='None', id='projects/gurutogo-1d66d/agent/sessions/ABwppHF5vLvae0Cj0GFV0AUUvWGeCOUJdcpPGT7K9Zo2Ydd0PR9FwxeuyRkEfTgJ2HQW9DUet1BC1ft-5g')>
```

Sentiments:

```
<InitialSentiment(user='chris', recordtime='2020-02-13 19:40:43.496354', sentiment='relaxed', strength='5')>
<InitialSentiment(user='chris', recordtime='2020-02-13 19:44:05.294546', sentiment='relaxed', strength='5')>
<InitialSentiment(user='chris', recordtime='2020-02-13 19:45:37.605046', sentiment='happy', strength='5')>
<InitialSentiment(user='chris', recordtime='2020-02-13 21:03:48.179032', sentiment='happy', strength='5')>
```



# Test our app

<https://assistant.google.com/services/a/uid/00000049f9090d12?hl=en>

<https://dialogflow.cloud.google.com/#/agent/d74d7e87-3830-4101-a890-8c3516dbbae3/intents>

<https://console.actions.google.com/project/gurutogo-1d66d/simulator>

[https://github.com/cstenkamp/medibot\\_pythonbackend](https://github.com/cstenkamp/medibot_pythonbackend)



## Eine neue Option für Ihr Google-Konto

Wir haben eine neue Option für Ihr Google-Konto eingeführt. Diese gibt Ihnen mehr Kontrolle über die Daten, die Google erfasst, und über deren Verwendung. Darüber hinaus hilft sie Google dabei, Ihnen passendere Werbung zu zeigen.

Was ändert sich, wenn Sie diese neue Option aktivieren?

1. In Ihrem *Google-Konto* werden zusätzliche Informationen verfügbar sein. Sie können diese Informationen dann leichter prüfen und bearbeiten.



Wenn Sie Google-Dienste wie die Google-Suche und YouTube nutzen, erzeugen Sie Daten. Darunter fallen zum Beispiel von Ihnen verwendete Suchbegriffe oder Videos, die Sie angesehen haben. Sie können diese Daten in *Mein Konto* in den **Web- & App-Aktivitäten** einsehen und bearbeiten.

# Problems

- API has errors, documentation bad (and mostly for v1)
- Stackoverflow doesn't help
- Frontend <-> Backend communication (gets seemingly correct backend response, uses default response anyway and doesn't explain why)
- Debugging next to impossible (jsons are sent and gone)
- Always going through everything again..
- Some stuff can only be tested in Actions on Google itself (slow and demanding)

Errors in 'meditation-length' entity: Regular expression match is too broad: [1-2] OK

# Problems

"Regular expression match is too broad" dialogflow

All Videos News Images Shopping More Settings Tools

About 33.700 results (0,71 seconds)

No results found for "Regular expression match is too broad" dialogflow.

followup\_event\_input

EventInput

Optional. Makes the platform immediately invoke another DetectIntent call internally with the specified event as input. When this field is set, Dialogflow ignores the fulfillment\_text, fulfillment\_messages, and payload fields.

<https://cloud.google.com/dialogflow/docs/reference/rpc/google.cloud.dialogflow.v2#webhookresponse>

API has errors, documentation bad (and mostly for v1)

```
1 [||||| 70.1%] 5 [||||| 74.3%]
2 [||||| 82.6%] 6 [||||| 96.2%]
3 [||||| 58.9%] 7 [||||| 63.6%]
4 [||||| 61.7%] 8 [||||| 58.6%]
Mem[||||| 12.16/15.4G] Tasks: 137, 921 thr; 8 running
Swp[||||| 16.0M/980M] Load average: 4.12 3.55 3.33
Time: 13:23:04
```

Frontend < -> Backend communication (gets seemingly correct backend response, uses default response anyway and doesn't explain why)

Questions (5)

Votes Activity Newest

4 Tensorflow: Replacement for tf.nn.rnn\_cell.\_linear(input, size,...

0 Dialogflow: Use parameters that are set in fulfillment

0 Dialogflow - MediaResponse working in Simulator but not Go...

ible (js  
ything :  
sted in

DEFAULT RESPONSE

Wonderful! Let's embark to a phantastic journey exploring the mind. Be sure you are comfortable and off we go!

nd demanding)



# Roadmap

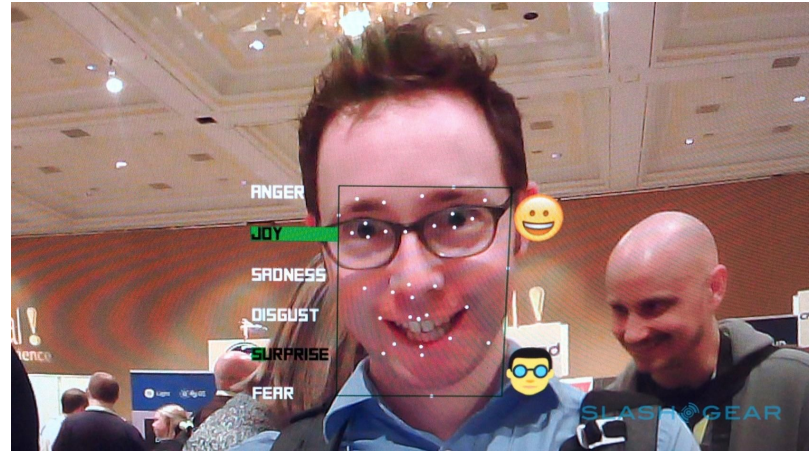
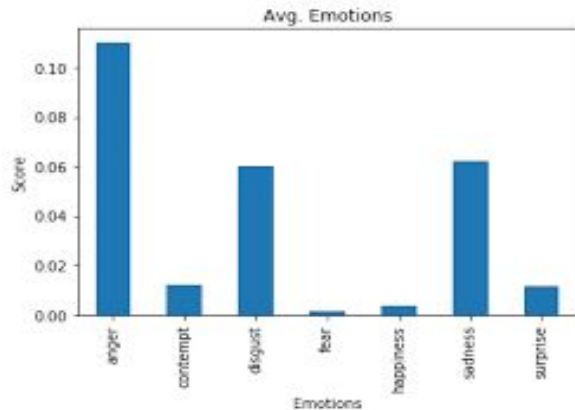
Meditations based on  
history of the user

Better conversation flow,  
not forgetting the topic

Data privacy (passwords,  
anonymization, ...)

Sentiment capture not only by user  
specification,  
but also via selfie analysis

More sophisticated Sentiment  
History Analysis



# Sources

<http://www.freemindfulness.org/download>

<https://zenhabits.net/meditation-faq/>

<https://www.reddit.com/r/Meditation/wiki/fag>

USER SAYS

COPY CURL

record my feeling

---



DEFAULT RESPONSE



Glad I could help.

---

CONTEXTS

RESET CONTEXTS

meditation-incomplete

login-incomplete

---

INTENT

*Not available*

---

ACTION

smalltalk.appraisal.well\_done

---

FAQ Mode

Okay, what would you like to know more about?

how should I sit when I Meditate?

Sit in the middle of a chair with your legs uncrossed, feet flat on the floor and hands resting on the legs or on your lap. The important thing is to set your body up in a way that your muscles are able to switch off and relax.

more

Menu

Meditation

Nachricht eingeben



Guru To Go



Hi! How are you doing?

login as Chris

Nice to see you again, Chris

want to do a bodyscan for 12 Minutes

Sorry, but I don't have a meditation of that length. Alternatively I can offer you one that is 4 or 15 minutes long.

15 minutes

Ok, here is a meditation for you.

Vidyamala Burch, Breathworks



15 minute body scan

00:00



Nachricht eingeben



Sure, who are you again?

Chris

Hello, Chris

today I feel good

And how strong would you say you feel happy on a scale of 1 to 7?

5

Okay, I noted down that feeling.

give me my sentiment history

Sure, tell me how many days you would like to look at.

7

Here's your emotional history

