



le wagon

Not a LW student?
Register and get the workshop resource
info.lewagon.com/tokyo-linebot

Build your first Line chatbot.



le wagon

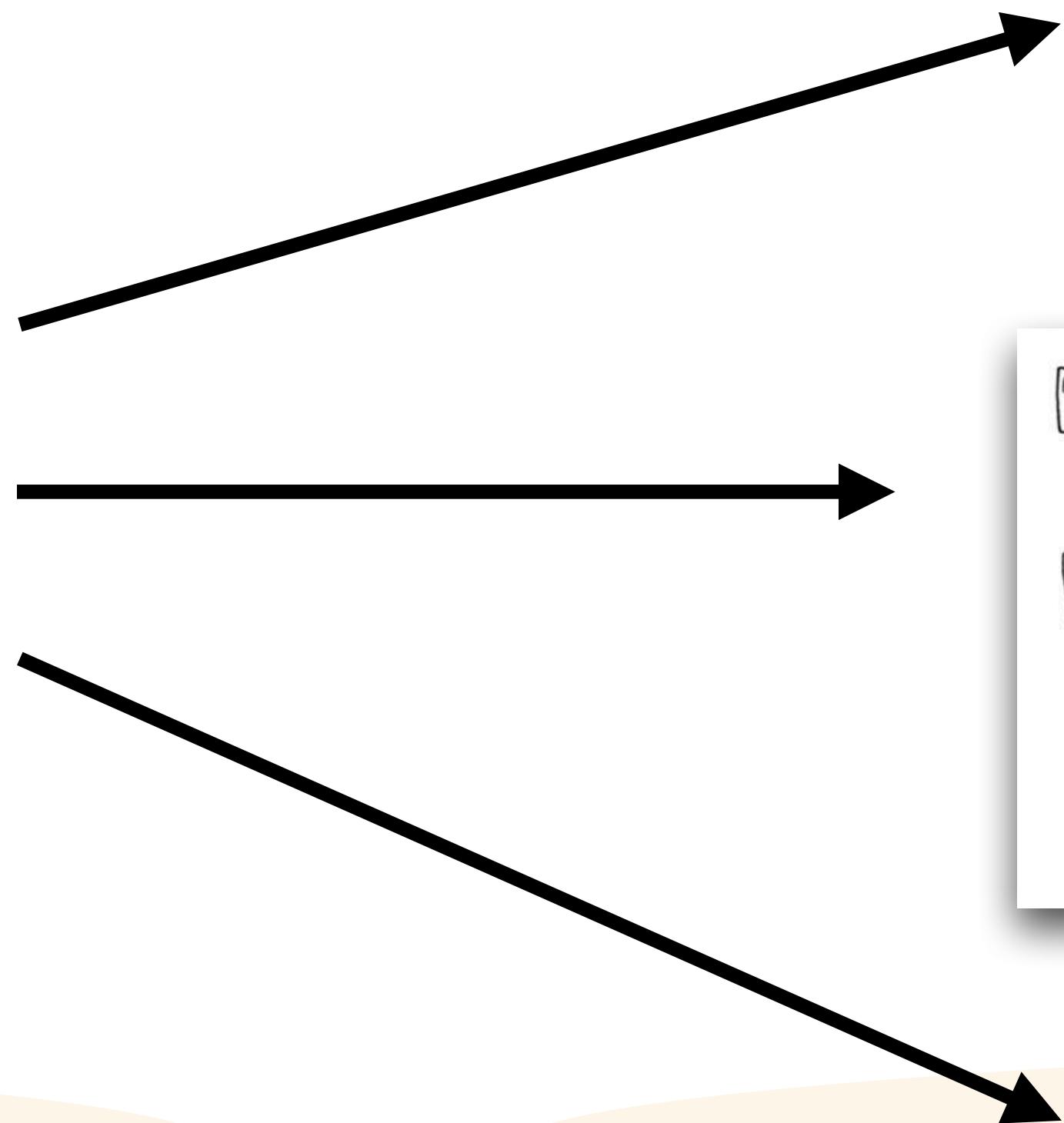
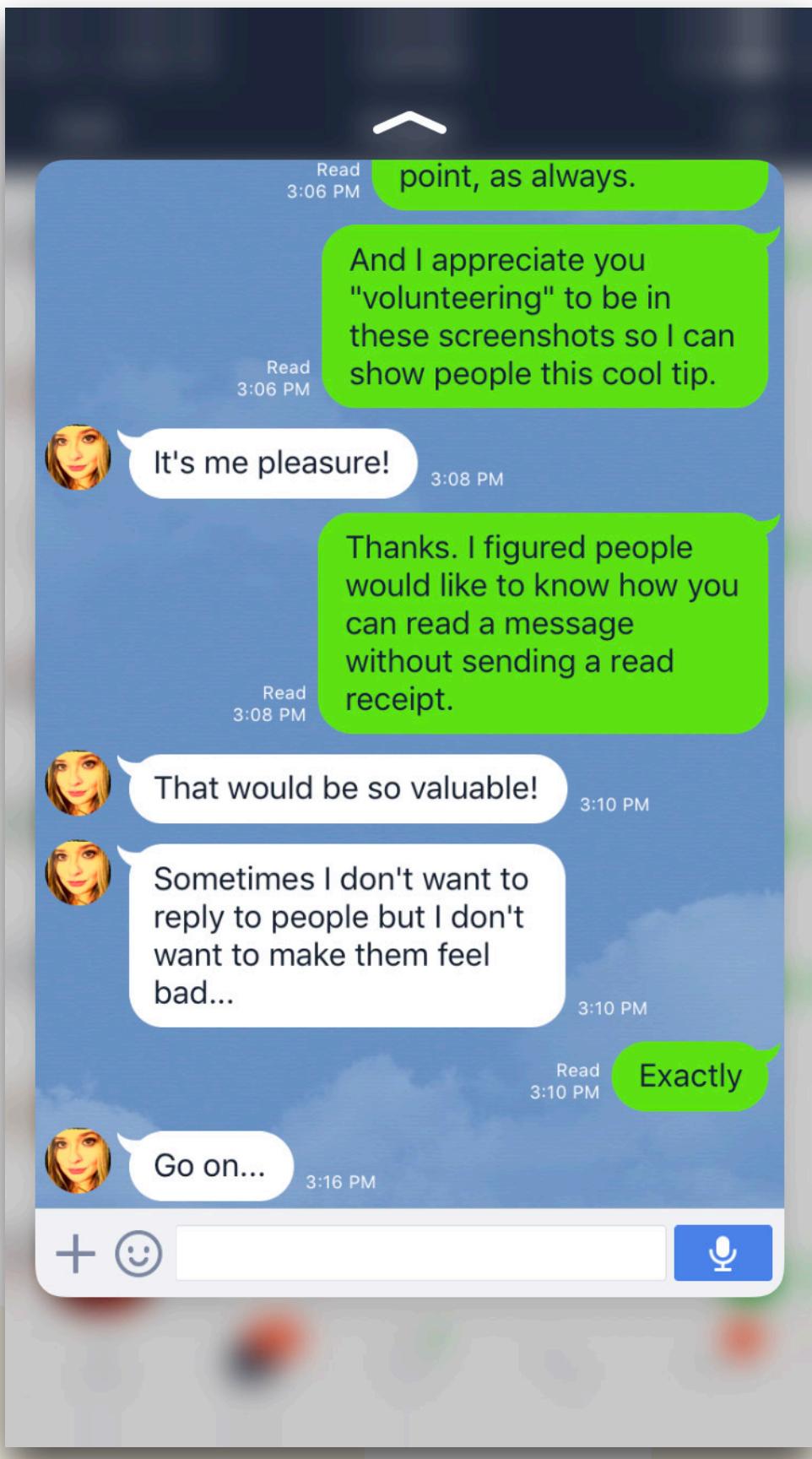
Workshop **steps**

- 1. Robots on the web?**
- 2. Code together**
- 3. Set things up on LINE**

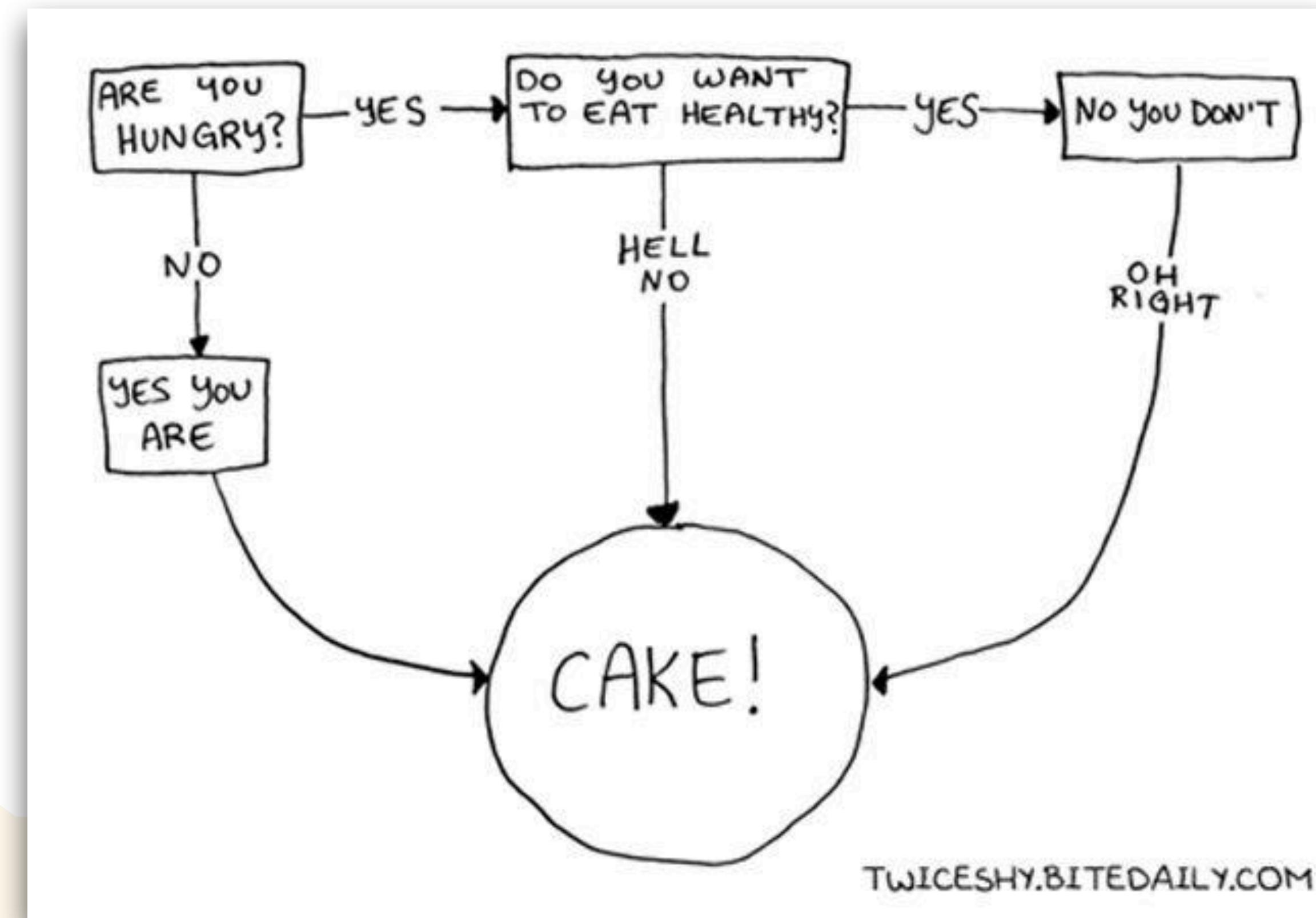
Robots on the web



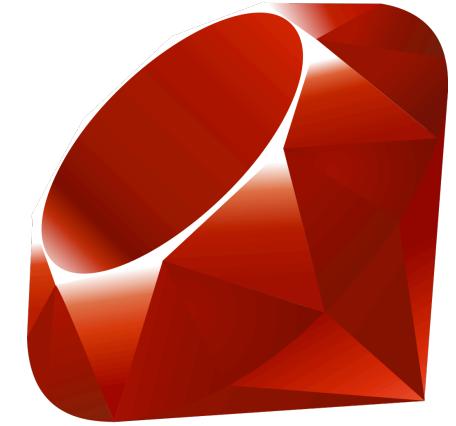
Who are we chatting with?



Decision tree



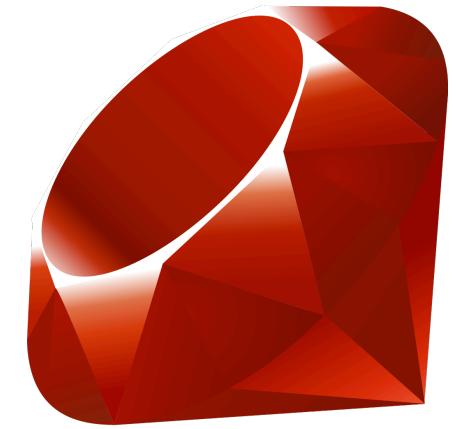
Conditional statement



if the user says something
the bot responds to that
elseif the user says something else
the bot responds to that
else
the bot says it doesn't know that
end



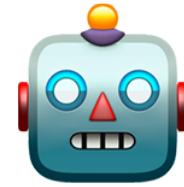
Get Creative



if



Hello



Hello

elsif



What's
the weather in
Tokyo?



Tokyo is
rainy now.

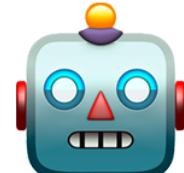


...

elsif



What
is your favorite
color?

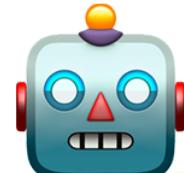


Good
question.

elsif



???



???

...



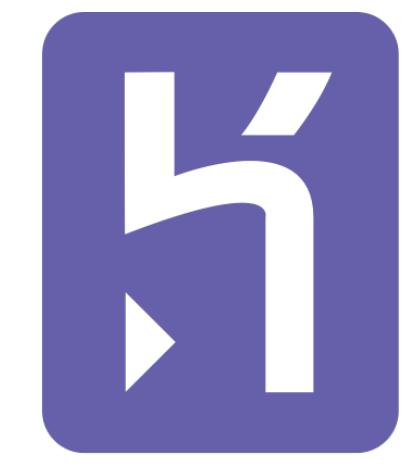
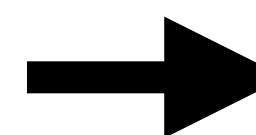
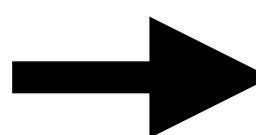
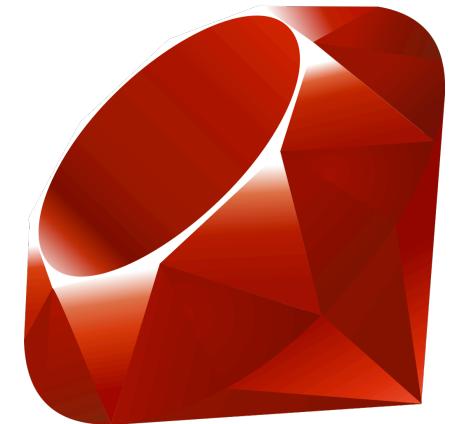
Let's build the with ruby!

brain

repl.it/languages/Ruby



Now the bot



heroku

Sinatra

<http://sinatrarb.com/>



Check out the **repo**

info.lewagon.com/tokyo-linebot

The screenshot shows a GitHub repository page for the user 'lewagonjapan' named 'bob-the-bot'. The page includes a search bar, navigation links for Pull requests, Issues, Marketplace, and Explore, and a user profile icon. Key statistics shown are 0 stars, 9 forks, and 1 watch. The 'Code' tab is selected, showing the 'master' branch with 2 branches and 0 tags. A message indicates the branch is 37 commits ahead of 'yannklein:master'. A recent commit by 'dmbf29' is listed, showing a merge from 'https://github.com/lewagonjapan/bob-the-bot'. The repository description is: 'A Line chatbot for Le Wagon workshop (Sinatra/Line API/IBM Watson API)'. Other visible sections include 'About', 'Readme', and 'Releases'.

Search or jump to... / Pull requests Issues Marketplace Explore

lewagonjapan / **bob-the-bot** forked from [yannklein/bob-the-bot](#)

Watch 0 Star 1 Fork 9

Code Pull requests Actions Projects Wiki Security Insights Settings

master 2 branches 0 tags Go to file Add file Code

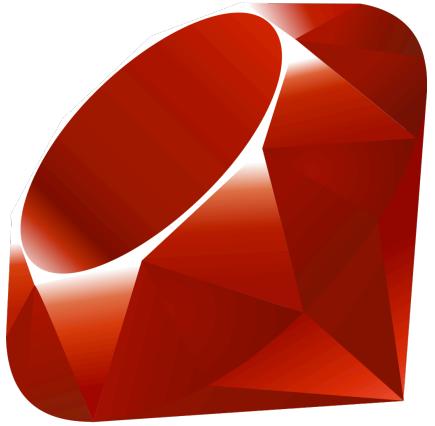
This branch is 37 commits ahead, 7 commits behind yannklein:master. Pull request Compare

dmbf29 Merge branch 'master' of <https://github.com/lewagonjapan/bob-the-bot> 621325f on Jul 22 175 commits

images add image qr 16 months ago

About Readme Releases

Download the app



1. Clone the app from Github

```
git clone https://github.com/lewagonjapan/bob-the-bot.git [CHANGE_THIS_TO_YOUR_BOT_NAME]
```

2. Move into the folder

```
cd [CHANGE_THIS_TO_YOUR_BOT_NAME]
```

3. Login with Heroku

```
heroku login
```

4. Create your Heroku app

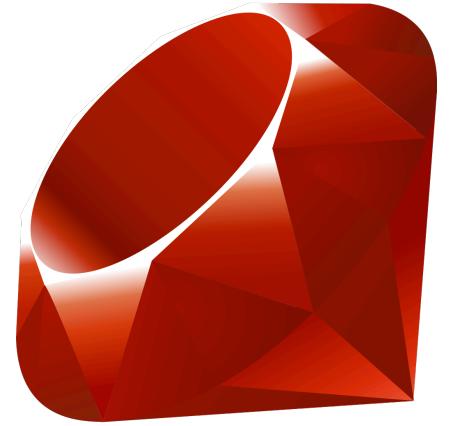
```
heroku create [CHANGE_THIS_TO_YOUR_BOT_NAME]
```

5. Push your code to Heroku

```
git push heroku master
```



Find our “if” brain



```
app.rb — bob-the-bot
• 20 def bot_response(the_question, user_name)
21   # If you want to add Bob to group chat, uncomment the next line
22   # return '' unless the_question.downcase.include?('bob') # Only answer to me
23
24   if the_question.downcase.include?('hello')
25     # respond if a user says hello
26     "Hello #{user_name}, how are you doing today?"
27   elsif the_question.end_with?('?')
28     # respond if a user asks a question
29     "Good question, #{user_name}!"
30   elsif the_question.downcase.include?('weather in')
31     # call weather API in weather_api.rb
32     fetch_weather(the_question)
33   elsif the_question.downcase.include?('events')
34     # call events API in tokyo_events.rb
35     fetch_tokyo_events
36   elsif the_question.match?(/([\p{Hiragana}\p{Katakana}\p{Han}]+)/)
37     # respond in japanese!
38     bot_jp_response(the_question, user_name)
39   else
40     ["I couldn't agree more.", 'Great to hear that.', 'Interesting.'].sample
41   end
42 end
```

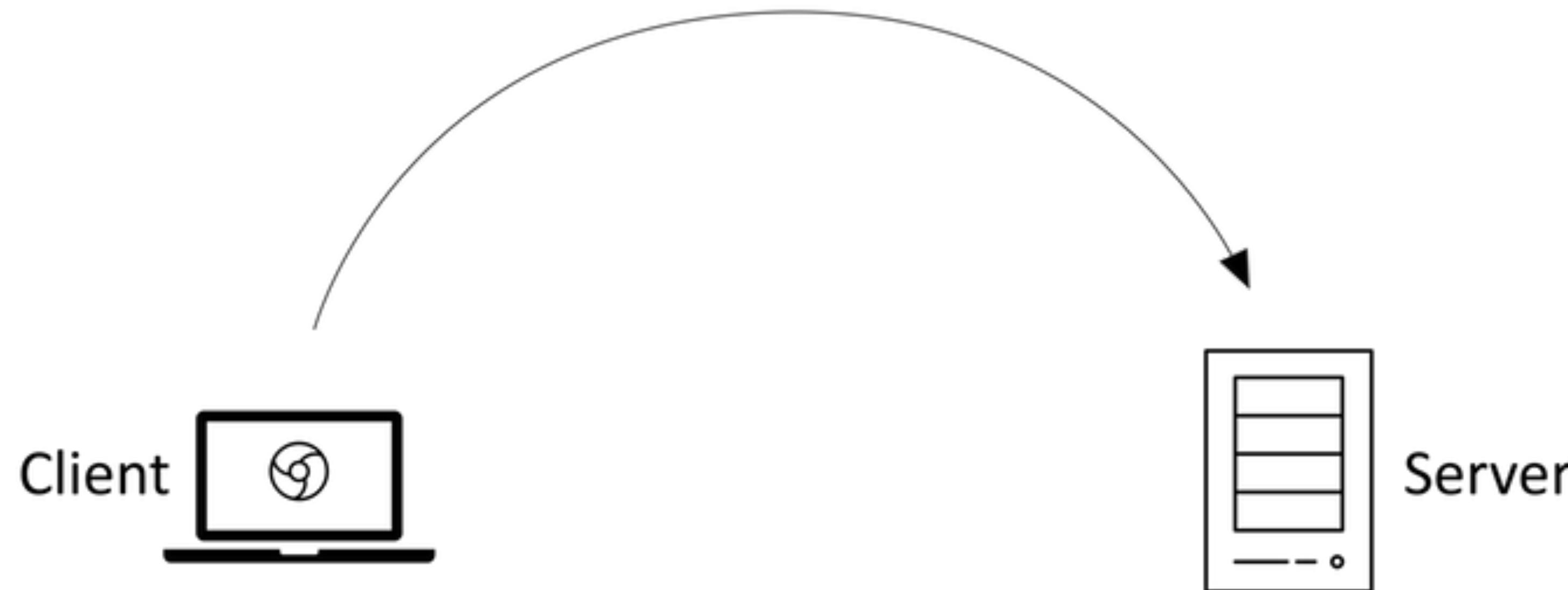
Talking to

Line



HTTP request with URL

GET "http://lewagon.org/program"

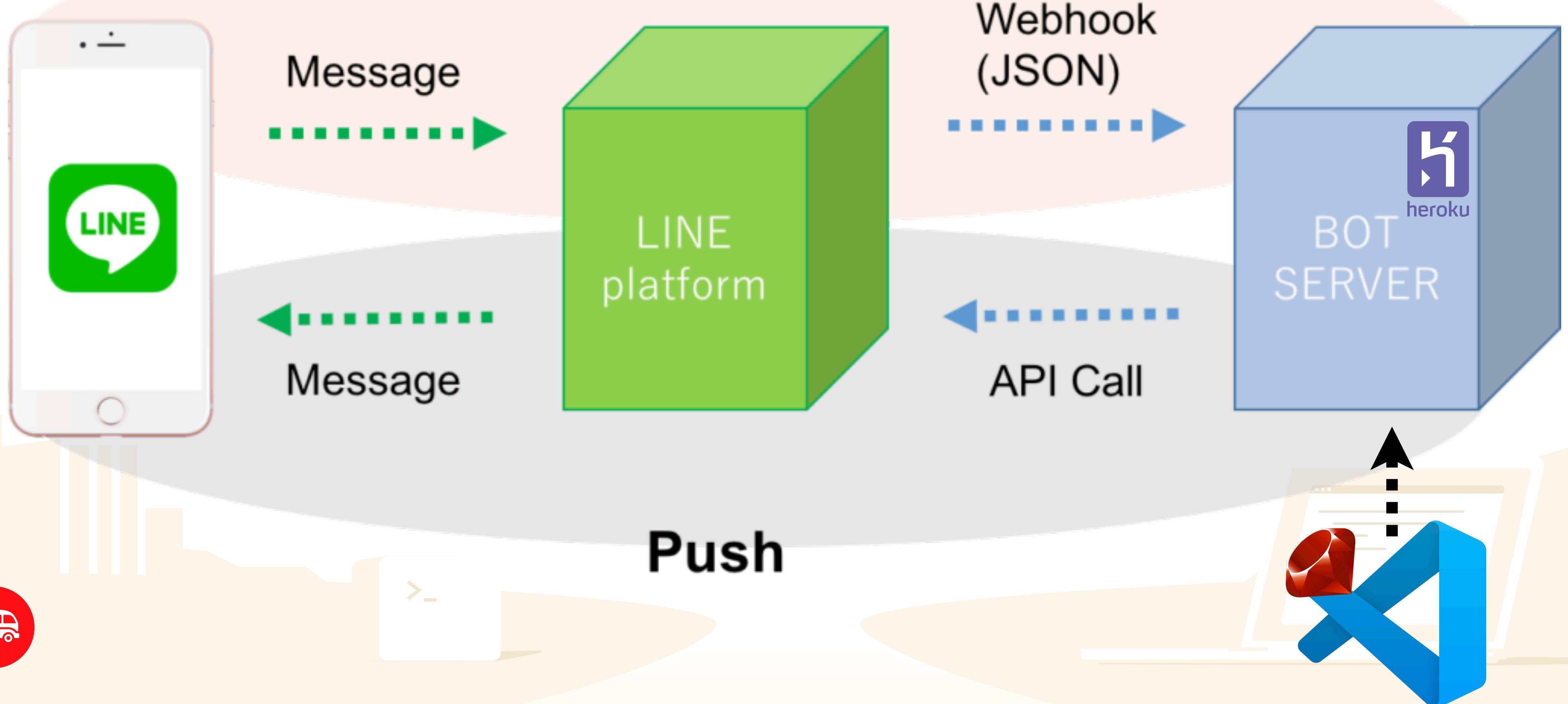


>

HTML file
+ CSS (style)
+ JS (animation)



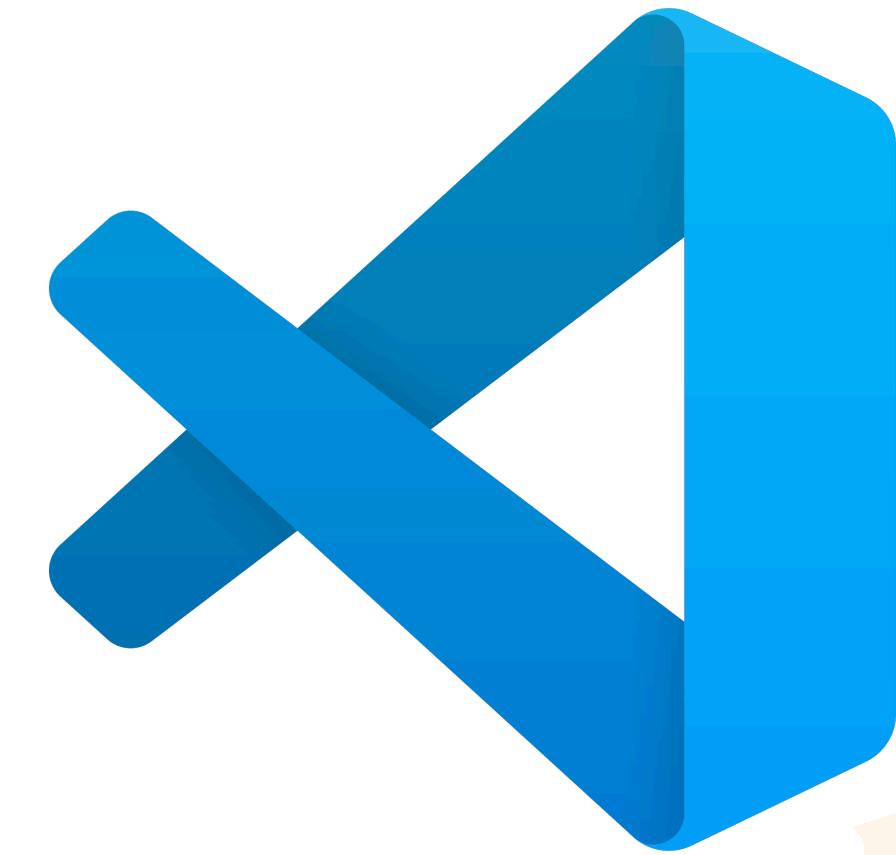
Reply



Set things up!

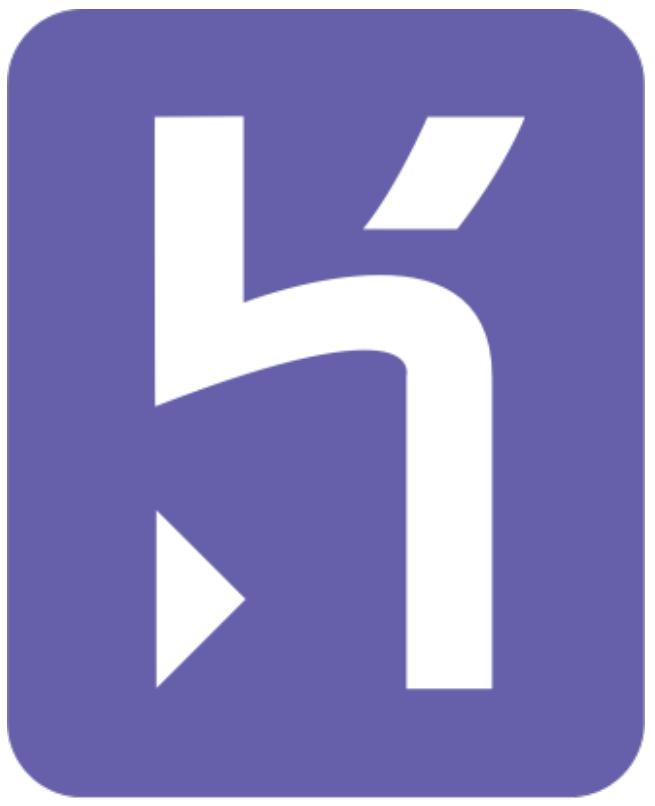


We will **use**

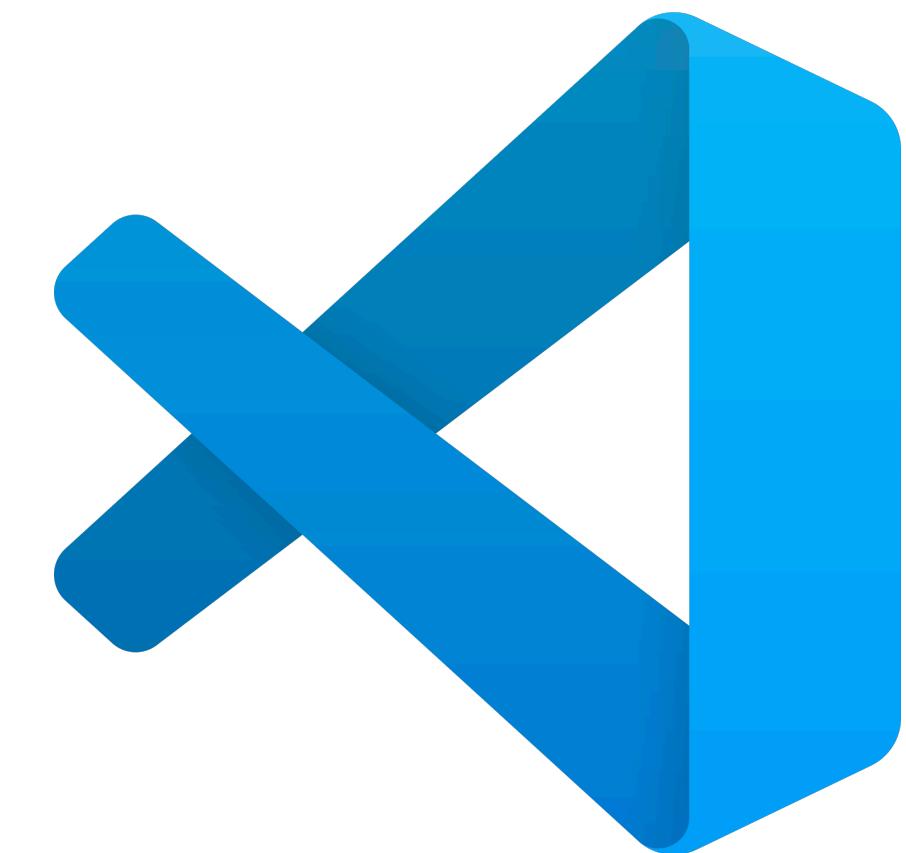




Get an account!



Create an app!



Download it!



- 1. Get the app, create an account**
- 2. Add your mail in your account**
- 3. Log in <https://developers.line.biz/en/>**
- 4. You should see...**



LINE Developers Products Documents API reference News FAQ Community Blog

Console home

Providers

Search...

TOP

Providers (2)

Provider	Role
doug the bot	Admin

Admin

doug the bot

Premier Footy



Create a new provider

Provider name ?

- bob the bot

✗ Don't leave this empty

✓ Don't use special characters (4-byte Unicode)

✓ Enter no more than 100 characters

Create





doug the bot

Channels Roles Settings

This provider doesn't have any channels yet

To create one, choose a channel type below

[Create a LINE Login channel](#)

[Create a Messaging API channel](#)

[Create a Clova Skill channel](#)

A red arrow points to the 'Create a Messaging API channel' button, highlighting it as the recommended choice for this provider.



Create a channel

Channel type

Provider

Channel name

Channel description

Category

Subcategory

Email address ②

I have read and agree to the [LINE Official Account Terms of Use](#) ↗

I have read and agree to the [LINE Official Account API Terms of Use](#) ↗

✖ Select the checkbox after reading the related document

Create



Basic settings Messaging API LIFF Security Statistics Roles

App types

Bot

Permissions ⓘ

PROFILE

Channel secret ⓘ

ac974c50f8fcf086578621a8344514ca

Assertion Signing

Issue

Key ⓘ

Your user ID ⓘ

U7f6858a085f0f2df5be3a562fea4beff

Save for later



Basic settings Messaging API LIFF Security Statistics Roles

Webhook settings

Webhook URL ⓘ

1.

Edit

Webhook settings

Webhook URL ⓘ

2.

<https://YOUR-BOT-NAME.herokuapp.com/callback>

- ✗ Don't leave this empty
- ✓ Enter a valid HTTPS URL
- ✓ Enter no more than 500 characters

Update

Cancel



FYI: We might have to come back to this...

Webhook settings

Webhook URL ⓘ

https://doug-le-bot.herokuapp.com/

Verify

Edit

3.

Use webhook ⓘ



Turn on!



Basic settings **Messaging API** LIFF Security Statistics Roles

LINE Official Account features

Edit the message text and other settings for these features in the LINE Official Account Manager

Allow bot to join group chats ? Disabled

[Edit](#)

Auto-reply messages ? Enabled

[Edit](#)

Greeting messages ? Enabled

[Edit](#)





Response settings

Main settings

Response mode

Bot

You can use webhooks and auto-response messages in bot mode.

Chat

You can use chats, auto-response messages, and the smart chat service in chat mode.

Greeting message

Enabled

Disabled

[Greeting message settings](#)

Detailed settings



Auto-response

Enabled

Disabled

[Auto-response message settings](#)



Webhooks

Enabled

Disabled

[Messaging API settings](#)





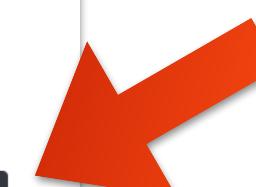
Basic settings **Messaging API** LIFF Security Statistics Roles

Channel access token

Channel access token (long-lived) ?

-

Issue



Channel access token

Channel access token (long-lived) ?

vUbXqd8/DcdGKrn8FpBuE/MFUUrWY+U3MMLGEf0+gxj5pnhsrFn/g03PBiPJt5sDM9IYLAMnNdZ0nNBj0WWLiKCSK6CGzcUWo2iN6K6HTbc
p57ng9YgCDBf+ckLoR7CR2Oy1EYCU0tdOeZwCGm6BQdB04t89/10/w1cDnyilFU=

Reissue





Basic settings Messaging API LIFF Security Statistics Roles

Messaging API settings

Bot information

Bot basic ID @691ufqtf

QR code



Add your bot!

Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others.





You should have:

- 1. Channel Secret**
- 2. Access token**
- 3. Webhook URL:**

<https://your-bot-name.herokuapp.com/callback>

Auto Response = disabled
Use web hook = enabled



OpenWeather

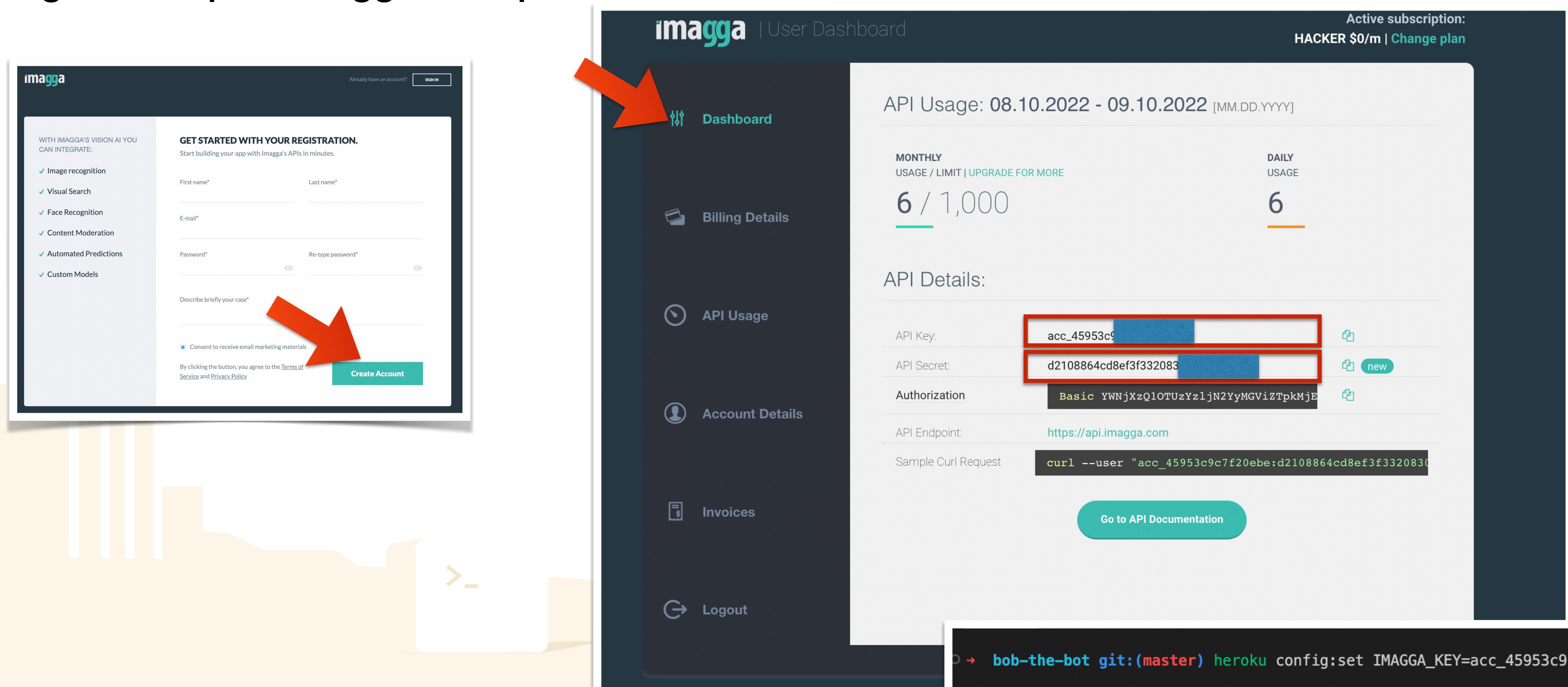
key

- Log in to https://home.openweathermap.org/api_keys

The screenshot shows the OpenWeather website interface. On the left, a sidebar displays a sign-in form with fields for email and password, and a 'Submit' button highlighted with a red arrow. Below the form is a note about account creation and password recovery. On the right, the main content area shows a 'Notice' box stating 'Signed in successfully.' A navigation bar at the top includes links for Alert, Weather in your city, Guide, API, Dashboard, Marketplace, Pricing, Maps, Our Initiatives, Partners, Blog, For Business (highlighted with a red arrow), Yann (user profile), Support, and Logout. A dropdown menu from the 'For Business' link lists options: My services, My API keys (highlighted with a red arrow), My payments, My profile, and Logout. Below the navigation, tabs for New Products, Services, API keys (selected), Billing plans, Payments, Block logs, My orders, My profile, and Ask a question are visible. A message box states: 'You can generate as many API keys as needed for your subscription. We accumulate the total load from all of them.' A table lists an API key: f5191f73c320e67df9 (highlighted with a red box), Name (Default), Status (Active), Actions (toggle switch and edit icon), and a 'Create key' section with an input field for 'API key name' and a 'Generate' button. At the bottom, a terminal window shows a command being run: 'bob-the-bot git:(master) heroku config:set WEATHER_API=f5191f73c320e67df9'. The terminal also has tabs for TERMINAL, JUPYTER, PROBLEMS, OUTPUT, DEBUG CONSOLE, and COMMENTS.

Imagga key

- Log in to <https://imagga.com/profile/dashboard>



```
bob-the-bot git:(master) heroku config:set IMAGGA_KEY=acc_45953c9...
```

```
bob-the-bot git:(master) heroku config:set IMAGGA_SECRET=d2108864cd8ef3f332083...
```

Thank you.

lewagon.com/tokyo

douglas.berkley@lewagon.org

