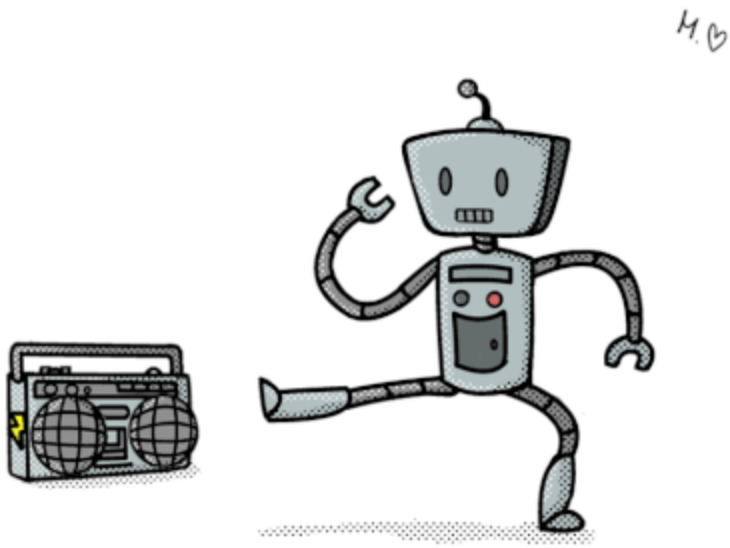


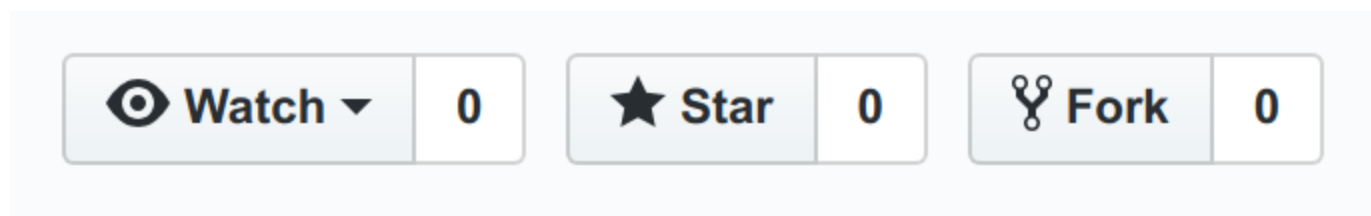
Making a GroupMe Bot With Node.js and Heroku



Fork the Repository

github.com/TomerAberbach/groupme-bot-tutorial

Press the "Fork" button on the top-right.



Sign Up For Heroku

We'll be running our code on their servers.

signup.heroku.com/login

First name *

Last name *

Create an App

dashboard.heroku.com

Click on 'Create new app'.

You don't have any apps yet

Every app and pipeline you create or become a collaborator on will appear here

Create new app

Create an App

Give your app a name, then click on 'Create app'.

App name

app-name

Choose a region



United States



Add to pipeline...

Create app

Connect to GitHub

Click on the GitHub icon.



GitHub

Connect to GitHub

Connect to GitHub

Click on 'Connect to GitHub' and follow the prompts.

Create review apps in pipelines

Pipelines connected to GitHub can

Connect to GitHub

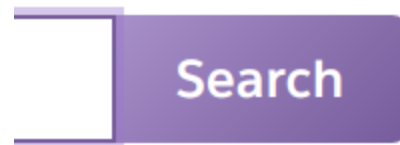
Connect the Repository

Type 'groupme-bot-tutorial' into the search bar, then press enter.

[↩ Dashboard has team access.](#)

Connect the Repository

Click on 'Connect' for the repository you forked.



Go to Settings

Click on 'Settings'.

Settings

to a stage in a pipeline

pipelines let you connect r
pps together and **promot**

Edit Configuration Variables

Click on 'Reveal Config Vars'.

Reveal Config Vars

Login to GroupMe Development

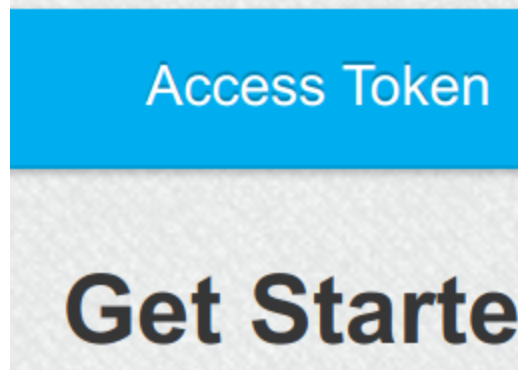
In a separate tab: dev.groupme.com/session/new

Then sign in with your GroupMe credentials.

Log In

Get Your GroupMe Access Token

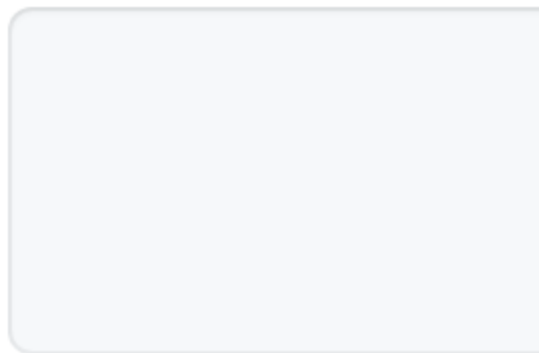
Click on 'Access Token', and then copy your access token from the pop-up.



Set Your GroupMe Access Token

Back in Heroku, type 'ACCESS_TOKEN' in the first 'VALUE' box.

Config Vars

A light blue rounded rectangle box, likely representing a placeholder for a value in a configuration variable.A text input box with a purple border containing the text 'ACCESS_TOKEN' and a cursor at the end.

Set Your GroupMe Access Token

Paste your copied access token in the second 'VALUE' box.

config vars for this
config vars in the Dev

VALUE

Set Your GroupMe Access Token

Click on 'Add'.



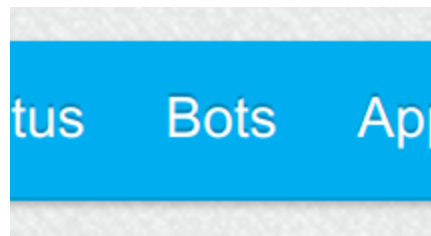
Register Your GroupMe Bot

Scroll down the page and copy your domain URL.

Domain Your app can be found at <https://>

Register Your GroupMe Bot

Back in GroupMe Development, click on 'Bots'.



Register Your GroupMe Bot

Click on 'Create Bot'.



Create Bot

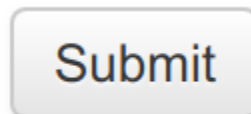
Register Your GroupMe Bot

Paste your copied domain URL in the 'Callback URL' box.

Callback URL (we will |

Register Your GroupMe Bot

Click on 'Submit'.



Get Your Bot ID

Click on the bot you just created in the 'Bot' menu.

Get Your Bot ID

Copy your bot ID.

Bot ID

Set Your Bot ID

Back in Heroku, type 'BOT_ID' in the next available 'VALUE' box.

Config Vars

ACCESS_TOKEN

BOT_ID|

Set Your Bot ID

Paste your copied bot ID in the second 'VALUE' box.

VALUE

Set Your Bot ID

Click on 'Add'.

Add

Deploy Your Bot

Click on 'Deploy'.

groupme-bot.

Deploy

Deploy Your Bot

Click on 'Deploy Branch'.



Deploy Branch

Test the Bot

Send the following message in the GroupMe chat containing your bot:

```
I have mixed feelings about bots...
```

And observe the result!

What Did We Deploy?

Let's first identify the actors involved.

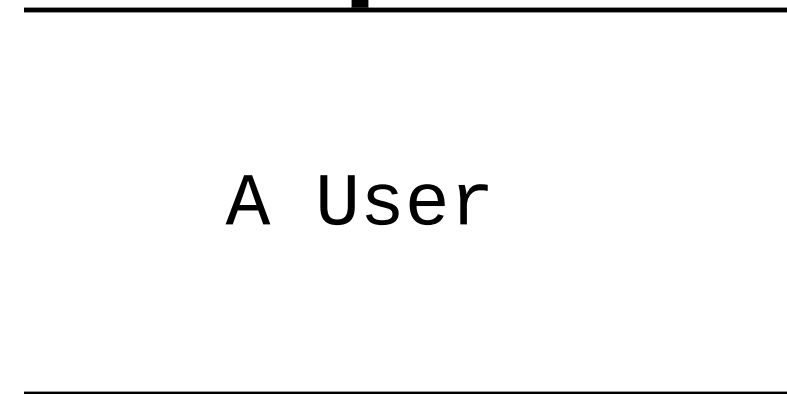
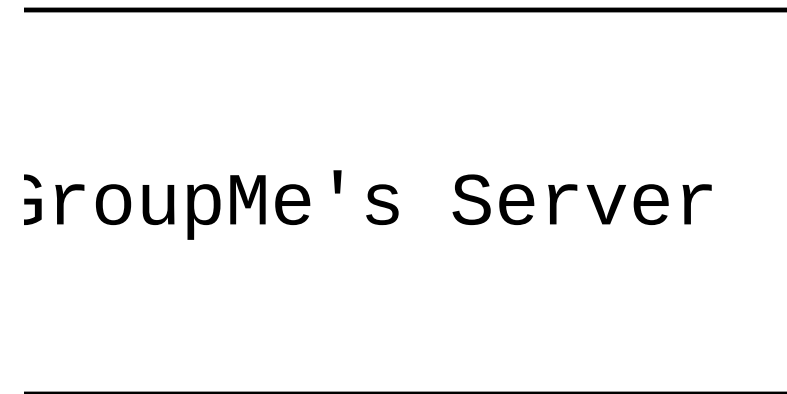
The Situation

We need to understand how our code will interact with GroupMe and its users.

GroupMe's Server

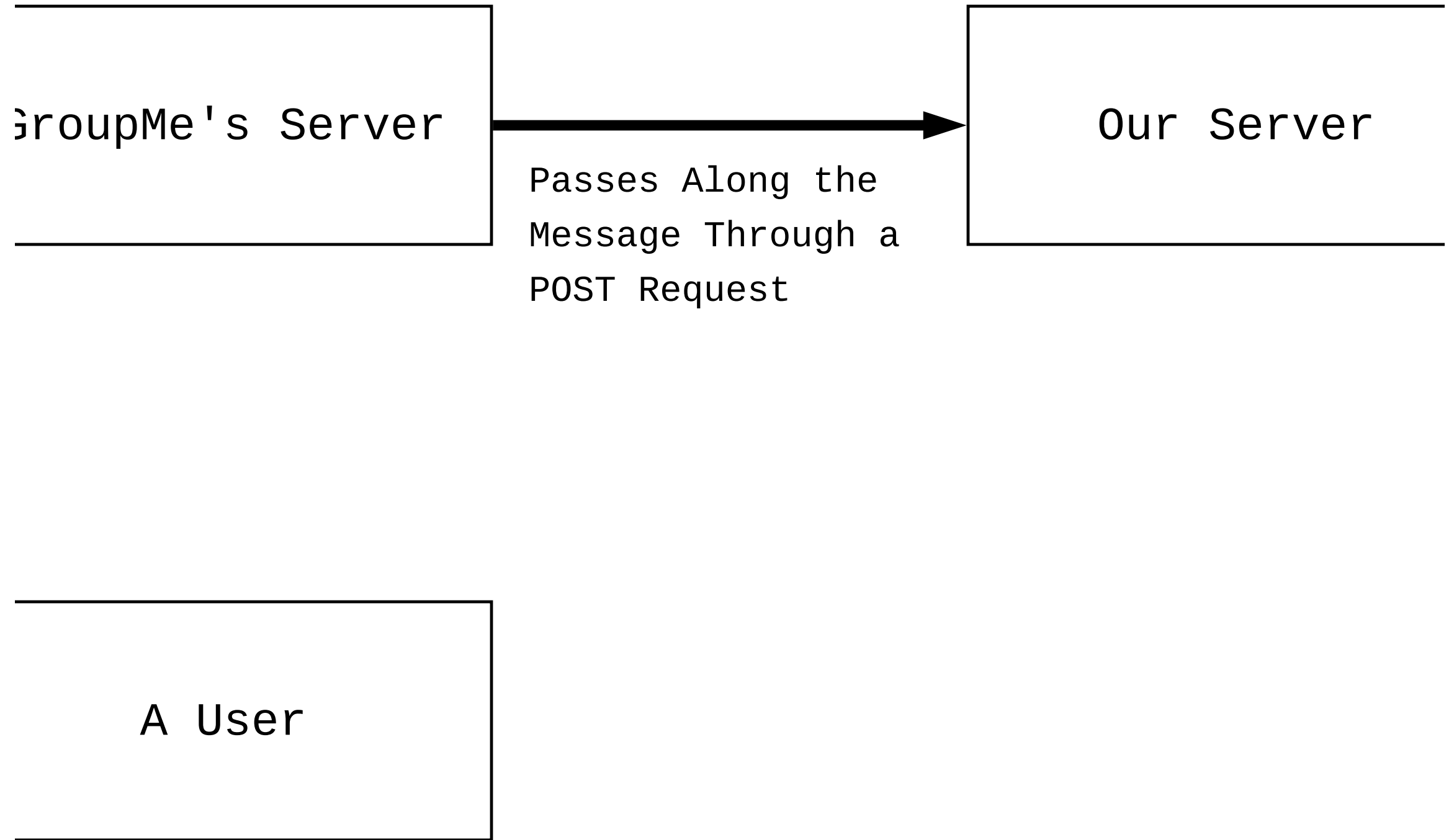
Our Server

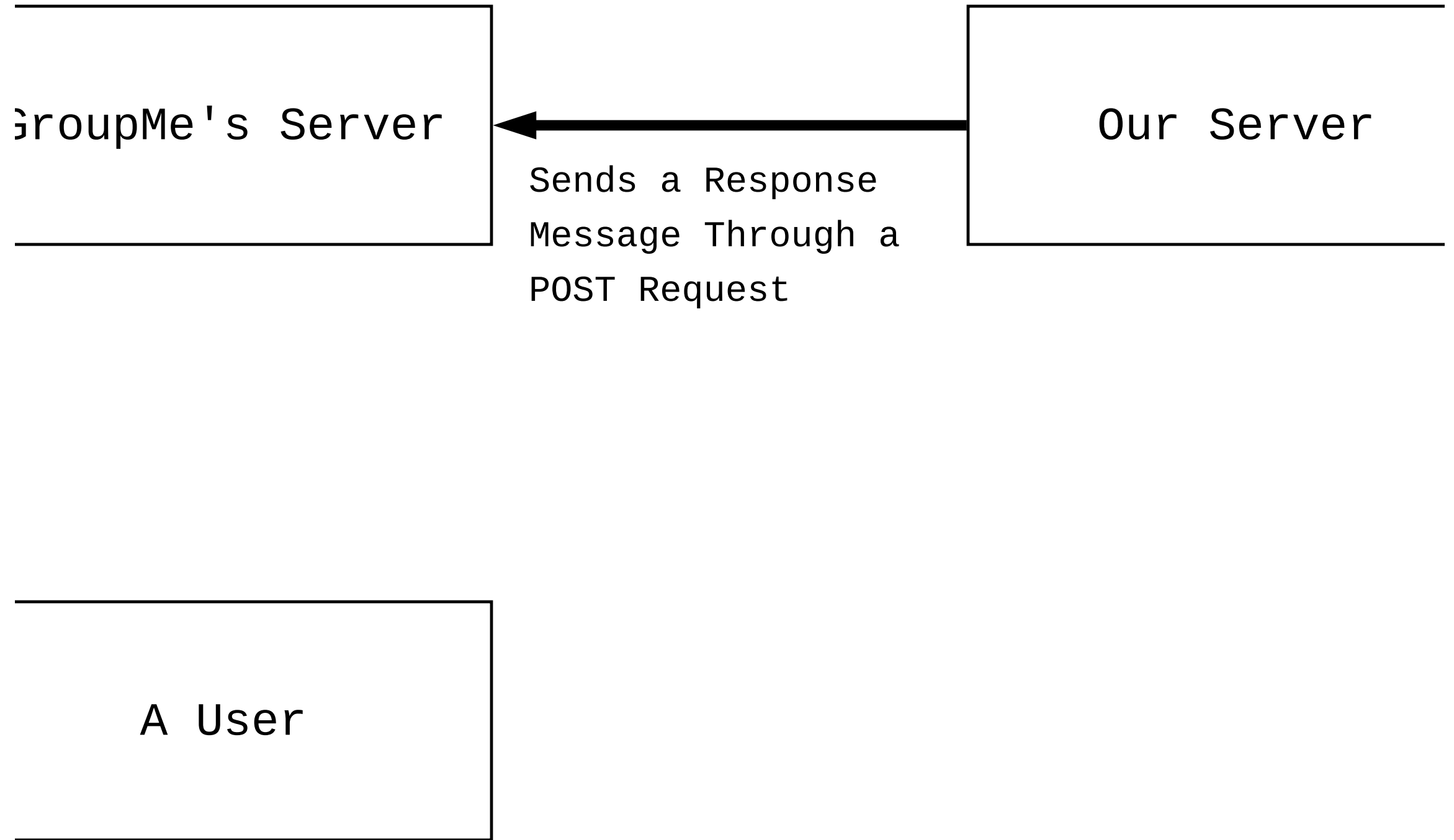
A User

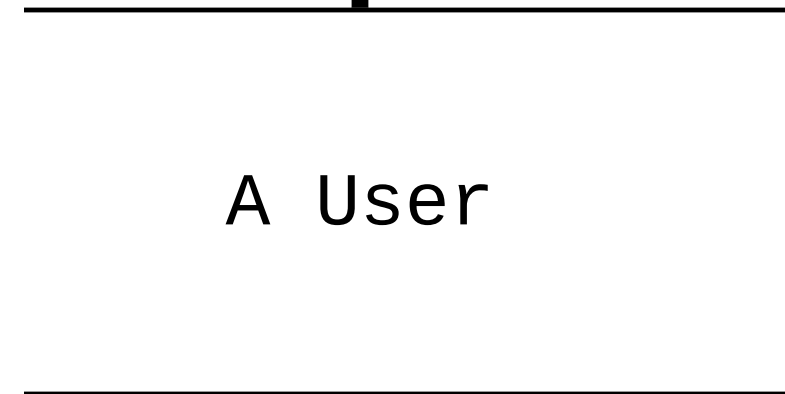
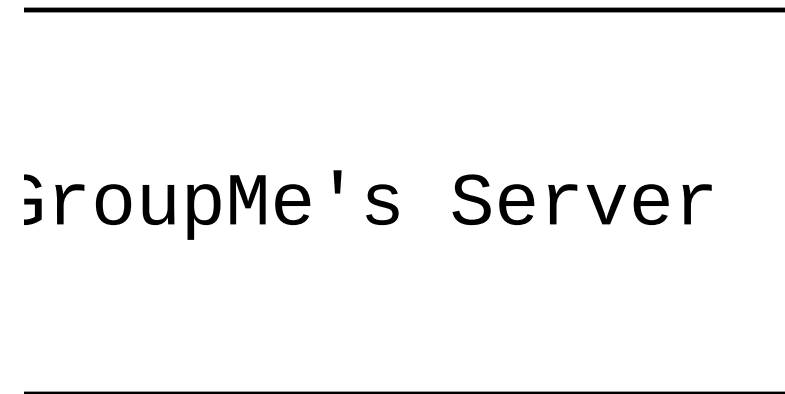


Sends a Message
Through a POST Request









Receives the Response
Message Through a GET
Request

What is a Request?

Requests serve as a way for a *client* and a *server* to interact.

The client *sends* the request and the server *responds* to it.

Our Server Will Play Both Roles

When GroupMe passes along a message from the user, it will be the client and our server will be the server.

When our server sends a response to GroupMe, GroupMe will be the server and our server will play the part of the client.

bot.js

```
1. // Imports a popular library for making HTTP requests.
2. const request = require('request')
3.
4. /**
5.  * A function which sends a GroupMe message as this bot to the
6.  * bot's group.
7.  *
8.  * Information about the request library can be found here:
9.  * https://github.com/request/request
10. *
11. * Information about the GroupMe API can be found here:
12. * https://dev.groupme.com/tutorials/bots
13. *
14. * @param {string} text - Represents the message text which should
15. *   be sent as this bot to the bot's group.
16. */
17. const sendMessage = text => {
18.   /* The GroupMe API specifies that messages should be sent to
19.    * the https://api.groupme.com/v3/bots/post url as a POST request.
20.    *
21.    * The request should contain:
22.    * 1. A valid GroupMe access token as a query parameter like so:
23.    *   https://api.groupme.com/v3/bots/post?token=YOUR_ACCESS_TOKEN
24.    * 2. A JSON string in the body/payload of the POST request which
```

server.js