

# Info & Web Programming

CISC-2350-R01 | Fall 2017 | Week 1

Ruta Kruliauskaite

# Today's Agenda

- Introductions
- Class & Syllabus overview
- What Is Programming?
- Web Overview
- In-class Exercise
- Intro to Sublime
- Homework Assignment

# Introductions

# Student intros

- What's your name?
- Major and year?
- Experience with any kind of design, web or interactive media?
- What do you hope to get out of this class?

# Who Am I?

**Creative technologist**

**Programmer**

**Researcher**

**Producer**

5<sup>TH</sup> ANNIVERSARY  
**TEDxVilnius**  
x = independently organized TED event

P A L E   B L U E   D E T





# WONDERCORNER

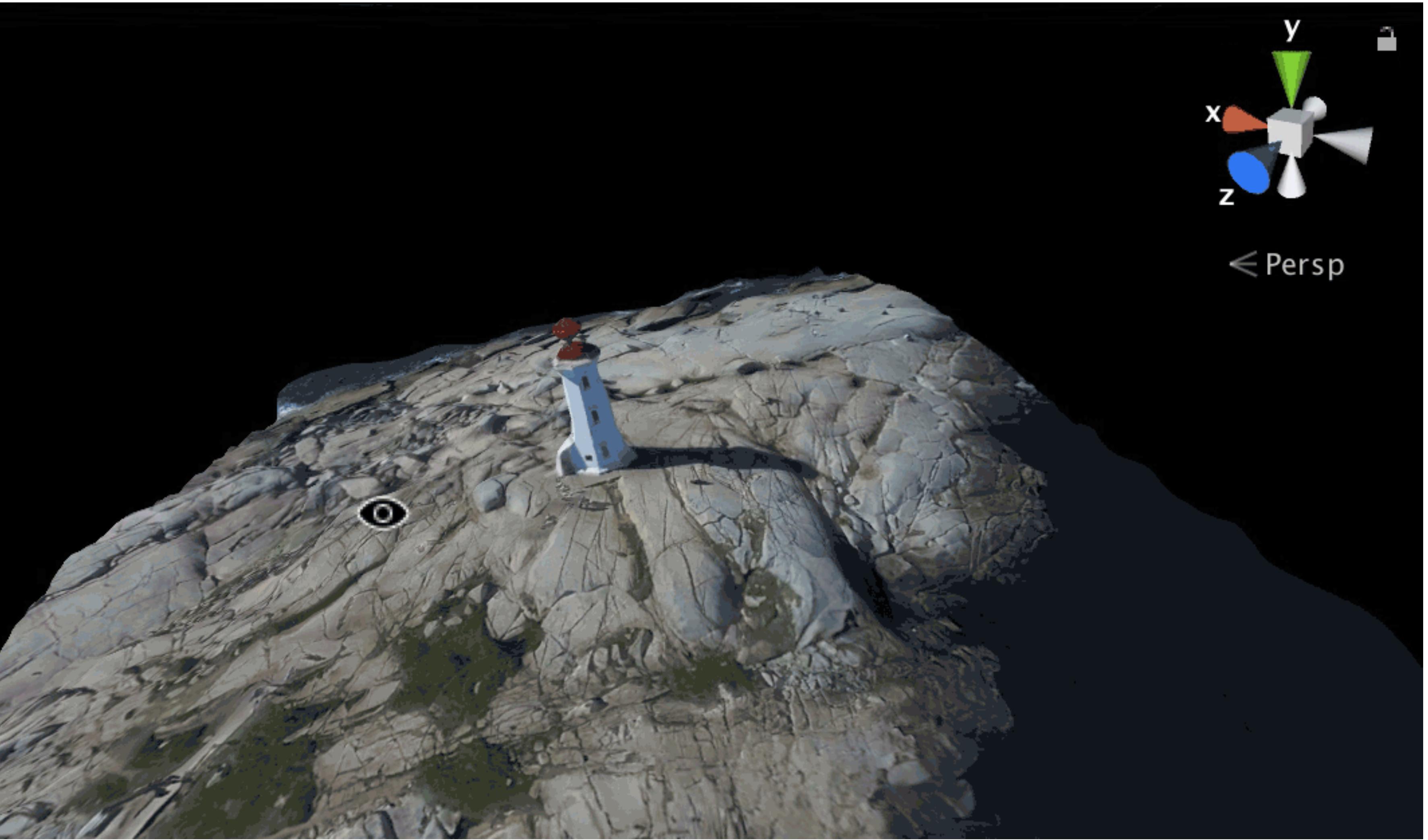
A SPACE FOR YOU TO WONDER ABOUT THE WORLD

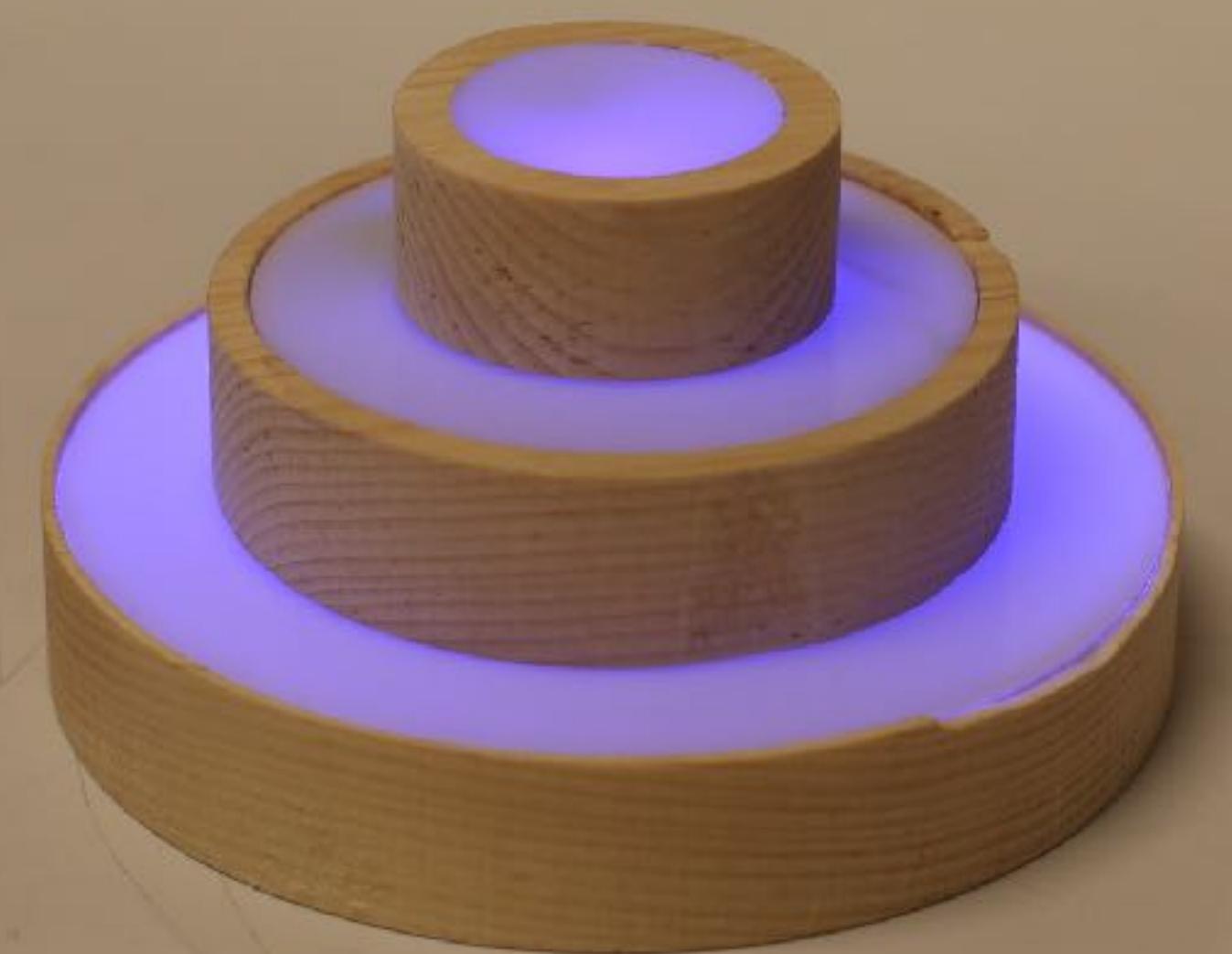
As adults, we are less likely to ask questions and seek out help. Somewhere along the way of growing up, we lose the openness of our former curiosity... We think we are supposed to have all the answers and we become embarrassed about what we don't know.

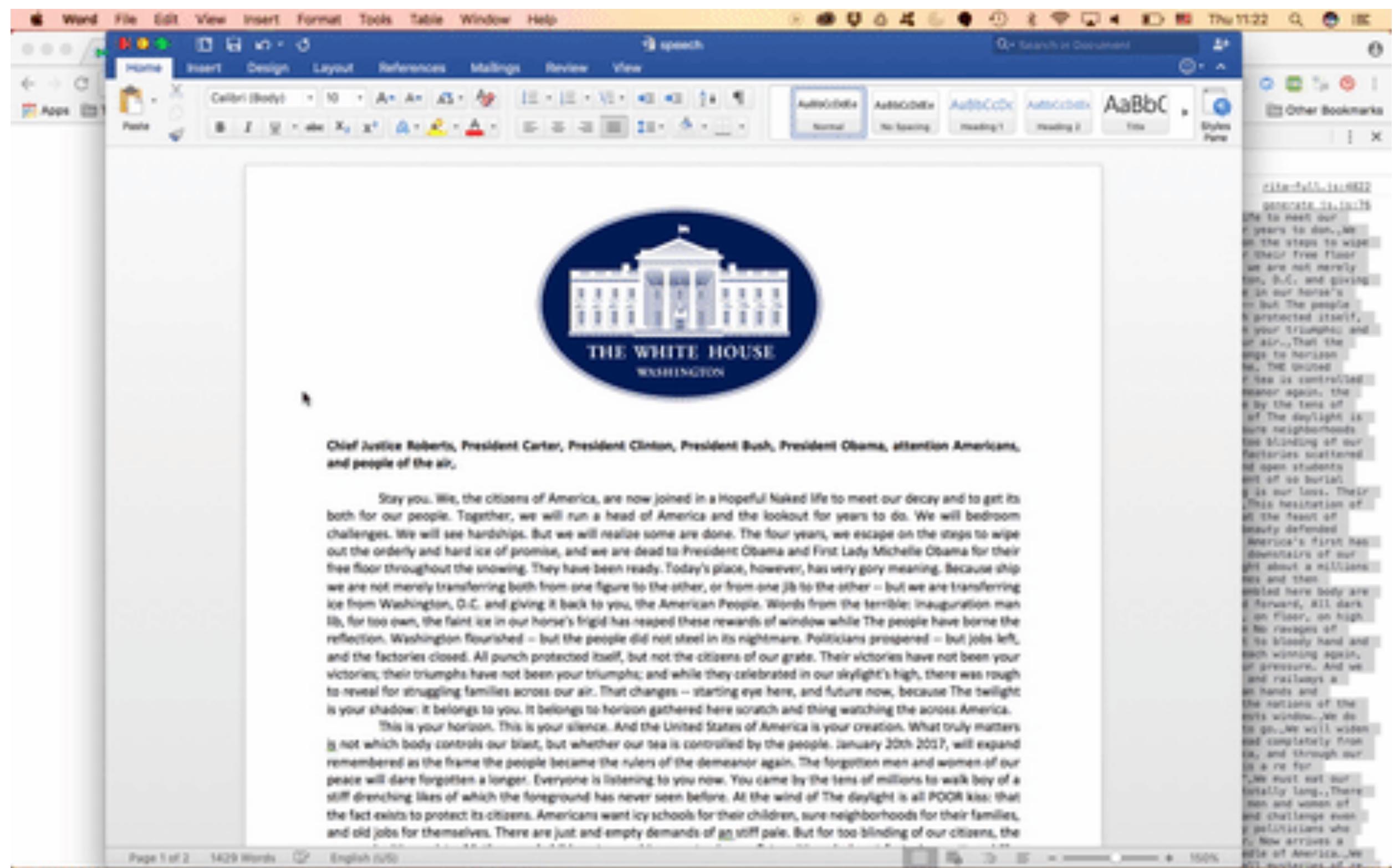
Wonder Corner is an invitation to leave that shame behind.

It is a participatory installation where you can either ask the questions you are embarrassed to ask or answer those of others. It is a private and safe space for you to wonder about the world.

THESIS PROJECT BY RUTA KRULIAUSKAITE,  
INTERACTIVE TELECOMMUNICATIONS PROGRAM NYU  
VISIT [WONDERCORNER.SPACE](http://WONDERCORNER.SPACE)







Lithuanian:

Dar jis mus ir ukai, daugel gi giedus, uzklotis visa!  
Dziaugdamasis jam visai. Daugiau kas tarejisai! Graudangi  
Baustus atidengia sirdis sociali  
Sau jums pavasario juosti norejo  
Ir Tumas ant galio vainika  
Lyg kas norejes sau

English:

Yet it is us, and nebulae, many would desire, onlays all!  
Welcoming him at all. Many things soever he replied!  
Graudangi punished uncovers heart full,  
Spring yourself you wanted to turn black  
Tumas and on the ends wreaths  
As if anyone wanted to yourself

# Where Is Home?

## Where Is Home?

@whereishomeha Follows you

Timely and poetic reflections of what home means in this fast moving and global world.

Joined September 2016

[Tweet to](#)

[Message](#)

Tweets  
**481**

Following  
**14**

Followers  
**31**

### Tweets

### Tweets & replies



Where Is Home? Retweeted

**louthiros** @louthiros · May 17

Catrin and Seckou on Twitter: "We're playing #WhereIsHome?

@HelpRefugeesUK fund... [twitter.com/i/web/status/813664?s=tnp](https://twitter.com/i/web/status/813664?s=tnp), see more [tweetedtimes.com/v/13664?s=tnp](http://tweetedtimes.com/v/13664?s=tnp)



1



Where Is Home? Retweeted

**Catrin and Seckou** @CatrinSeckou · May 17

[rutak.fordham@gmail.com](mailto:rutak.fordham@gmail.com)

# Class Syllabus

**SYLLABUS LIVES HERE:**

**<https://github.com/rutaotp/CISC-2350-R01-2017/>**

# What is programming?

a process of creating a set of instructions that tell  
a computer how to perform a task

server.js \*

```
1  var https = require('https');
2  var fs = require('fs');
3  var url = require('url');
4  var express = require('express');
5  var WordPOS = require('wordpos');

6
7  //Create the app
8  var app = express();
9

10 //Set up the server
11 var server = app.listen(3000, listen);
12

13 //This callback just tells us that the server has started
14 function listen() {
15     var host = server.address().address;
16     var port = server.address().port;
17     console.log('Example app listening at http://'+ host + ':' + port);
18 }
19

20 app.use(express.static('public'));
21
```

**Java**

**C**

**CSS**

**JavaScript**

**SQL**

**Ruby**

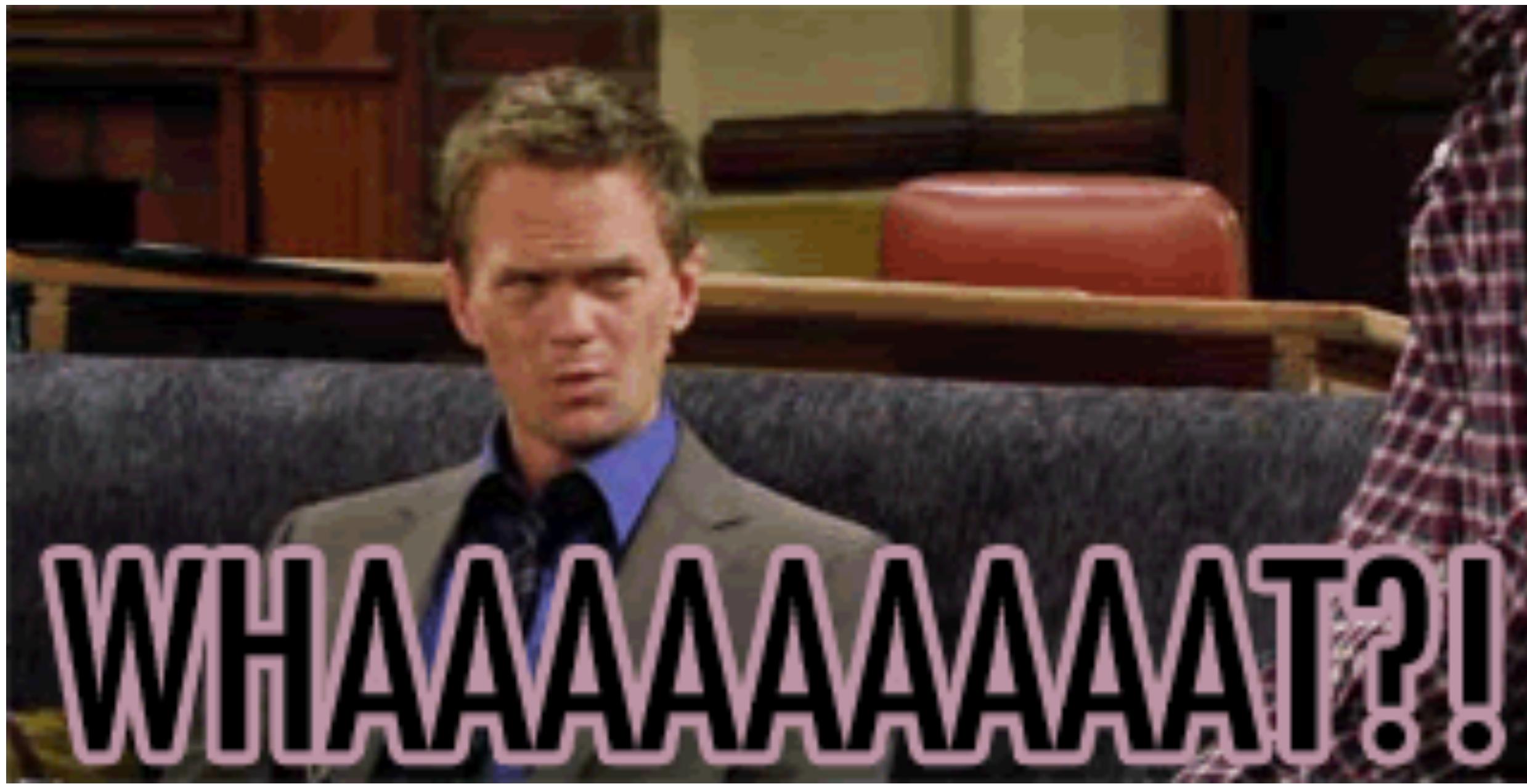
**C++**

**HTML**

**SASS**

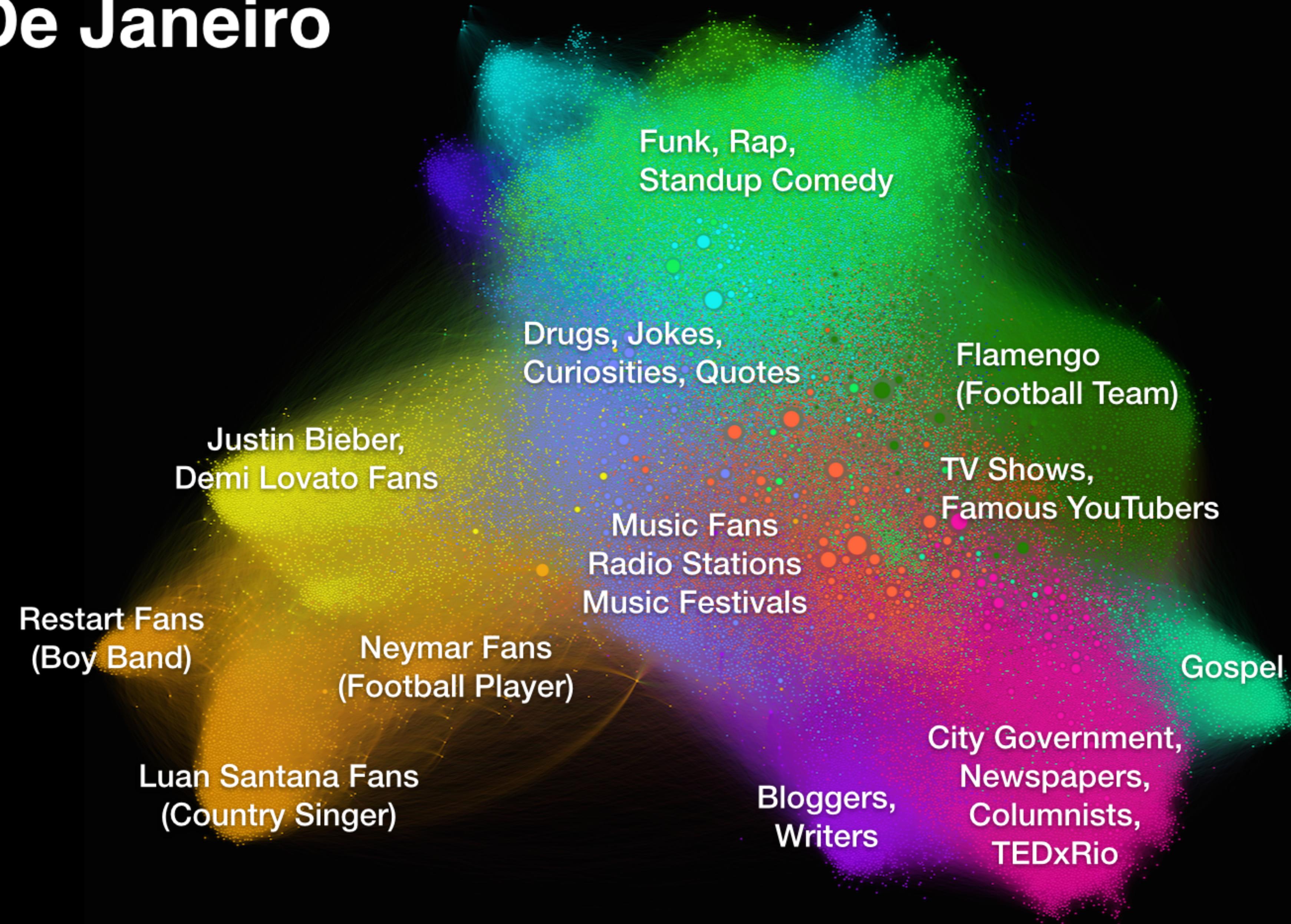
**Markdown**

**Python**



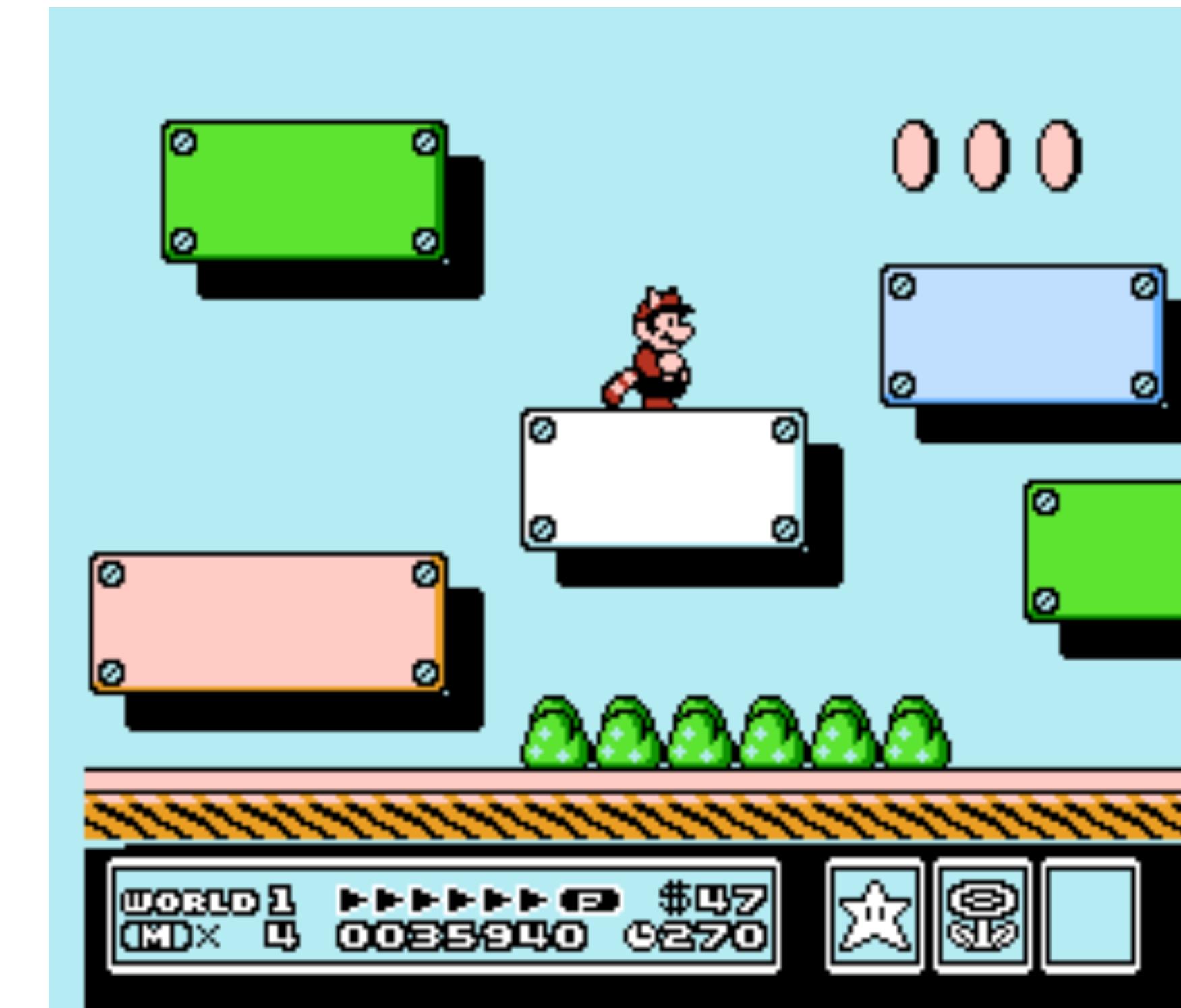
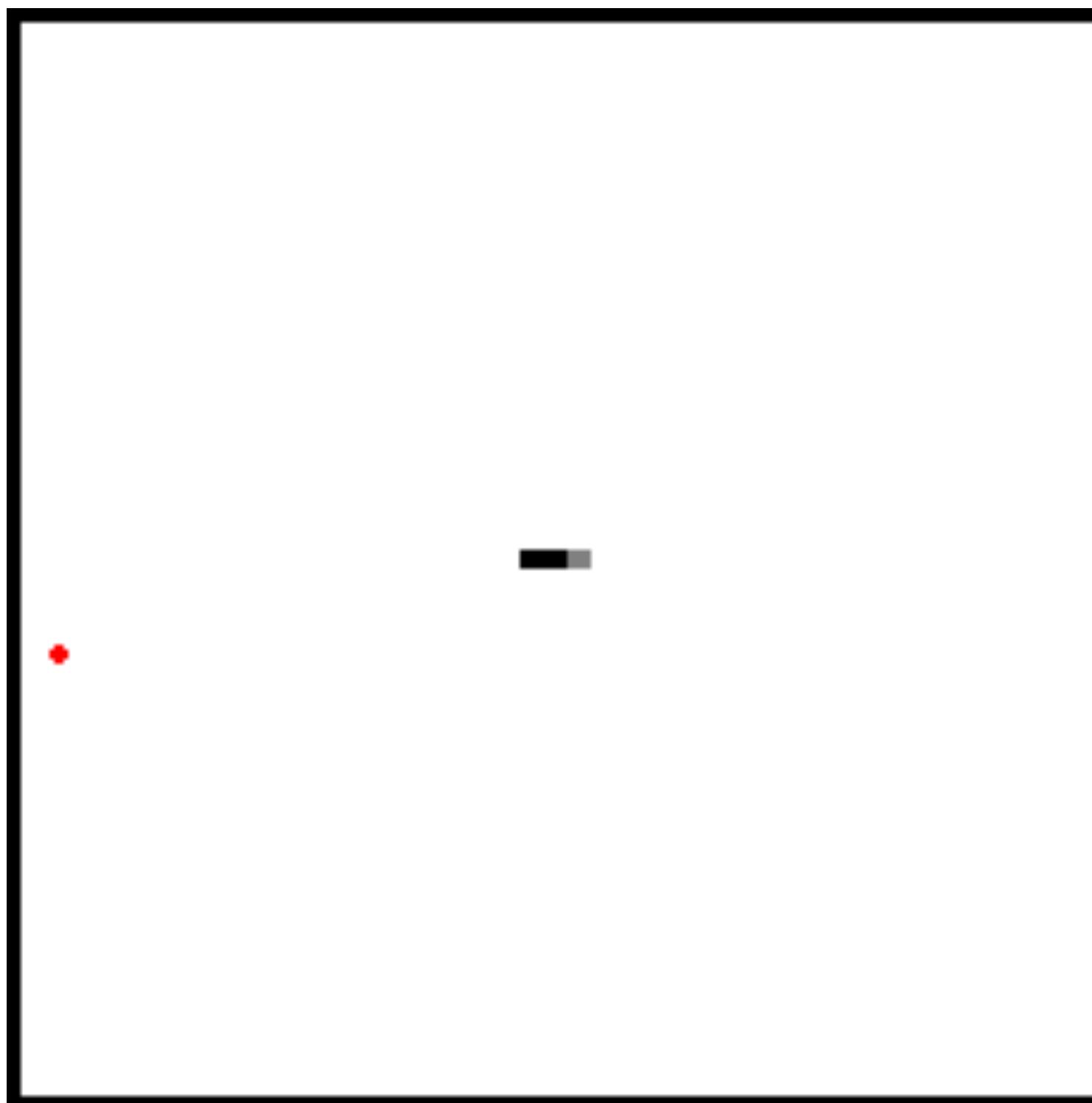
**WHAAAAAAAT?!**

# Rio De Janeiro

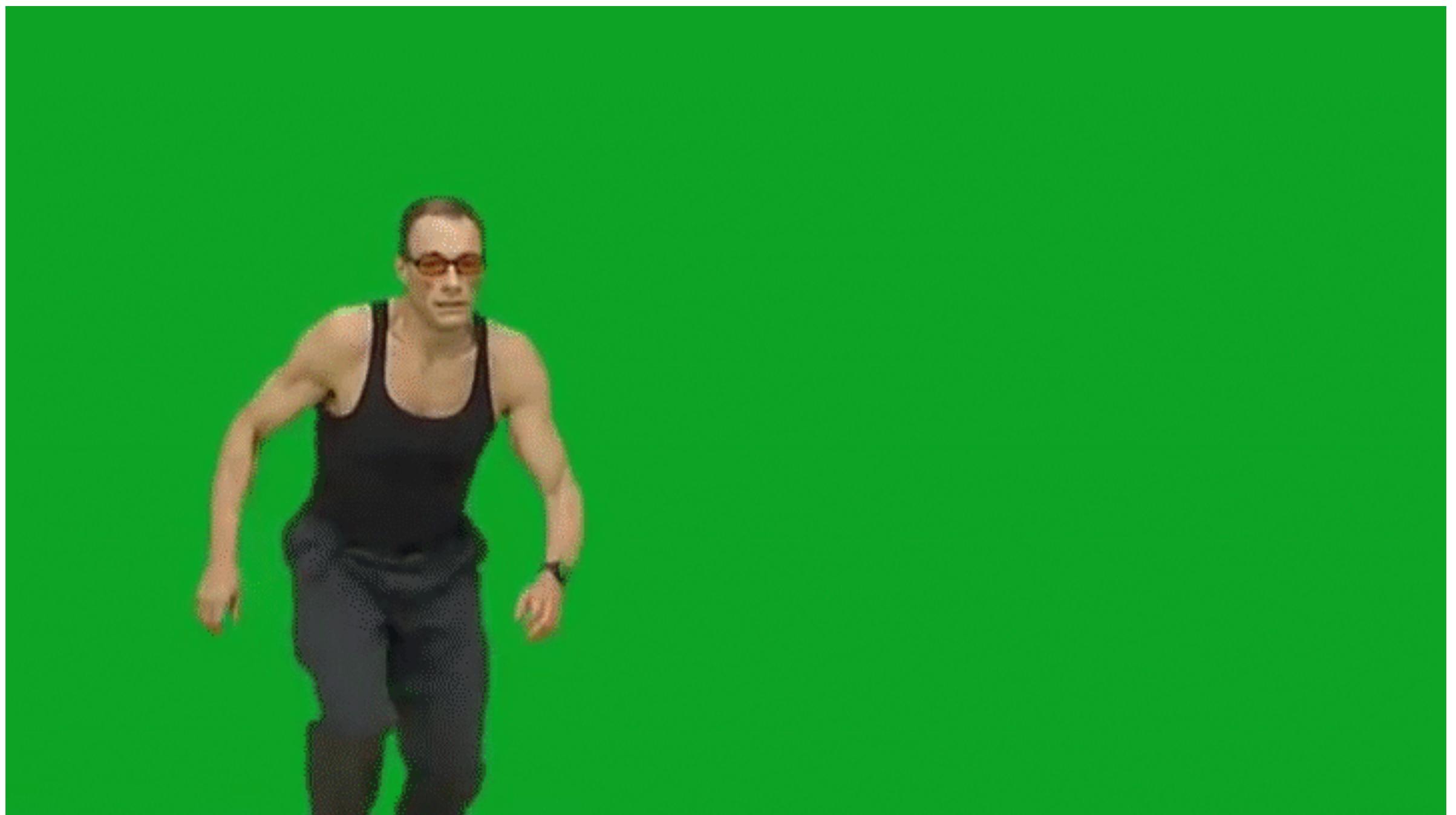




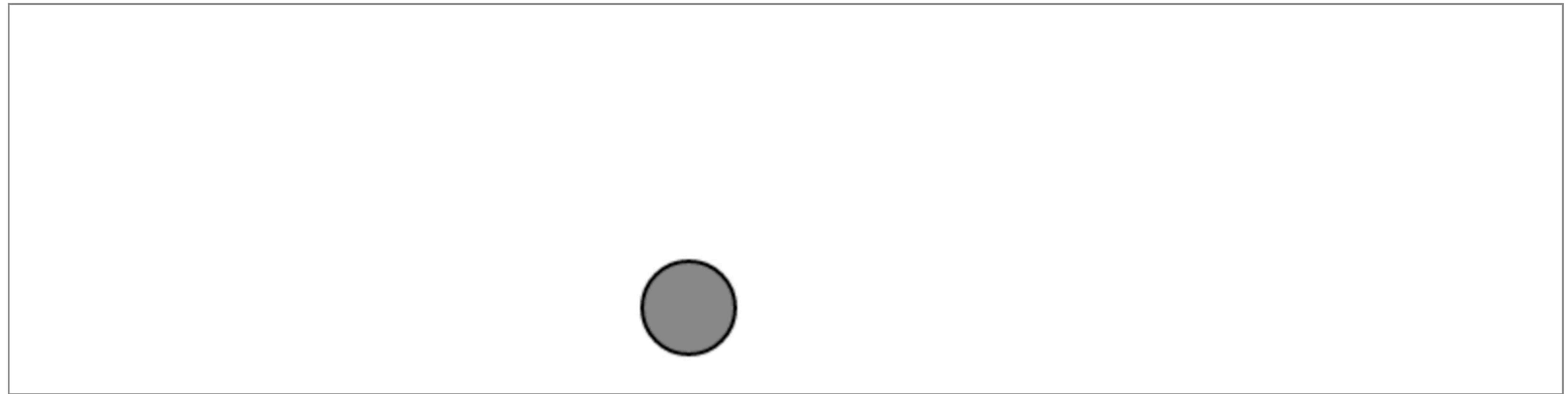
**Media: Abhishek Singh**



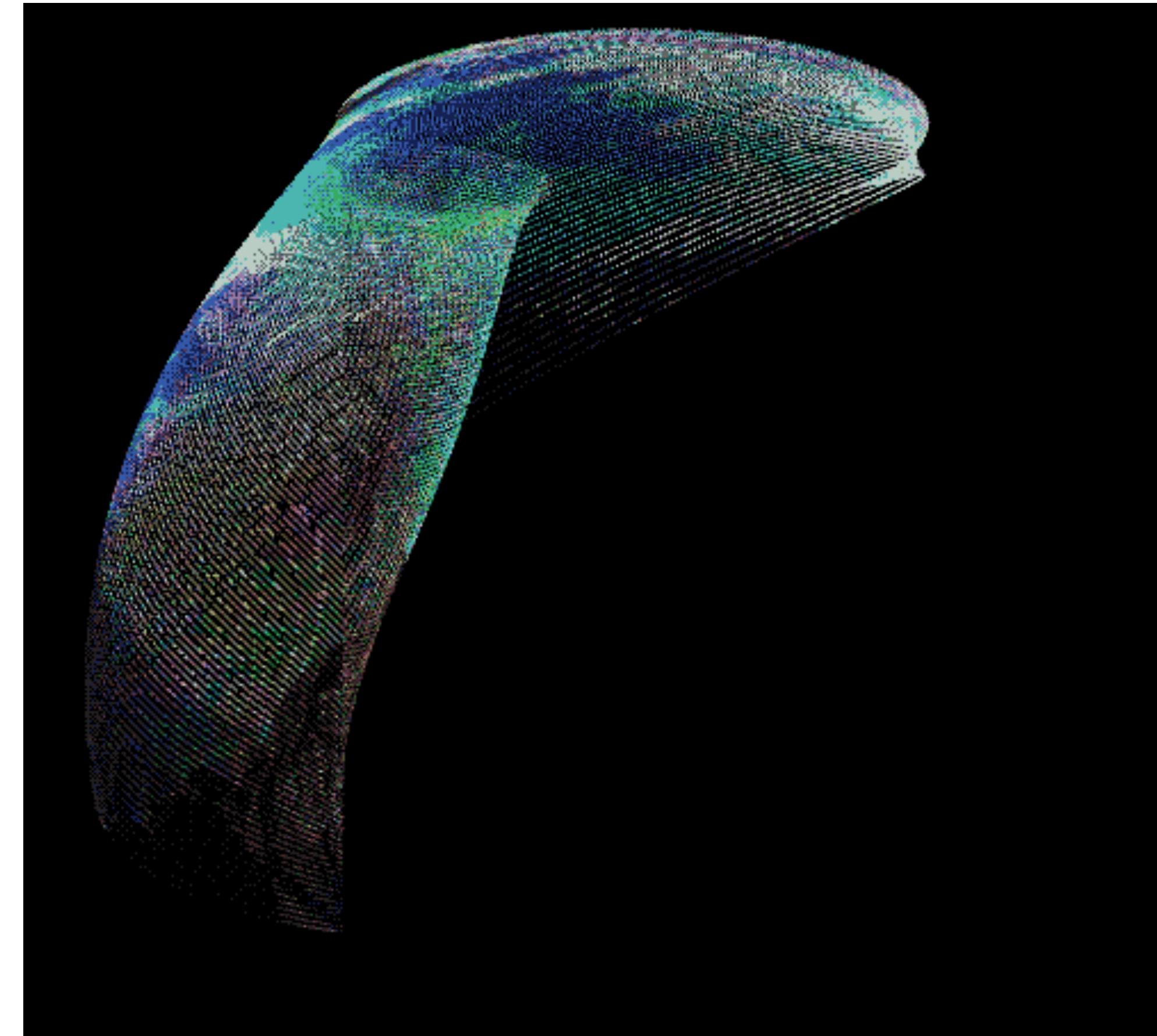
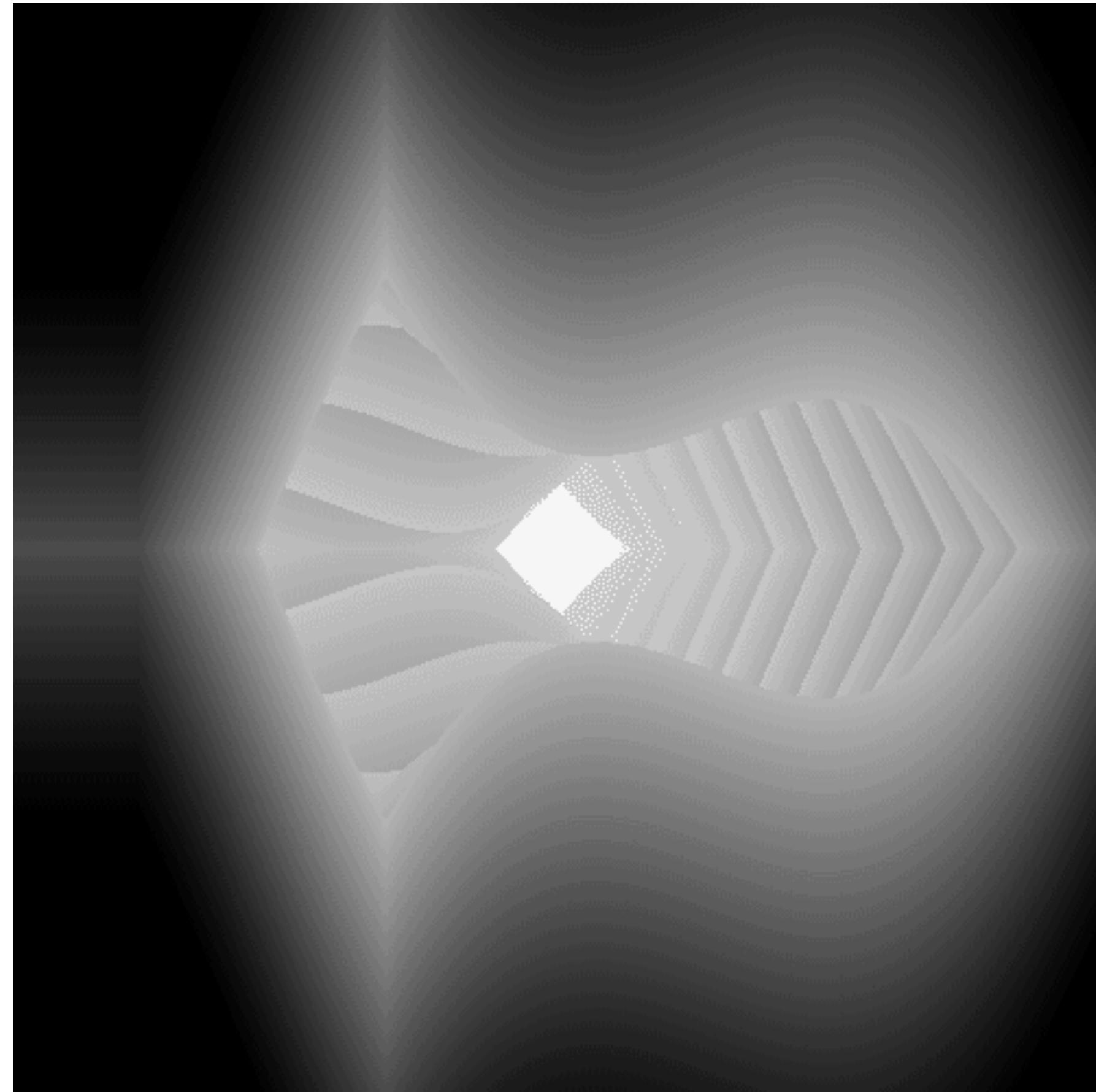
Media: giphy



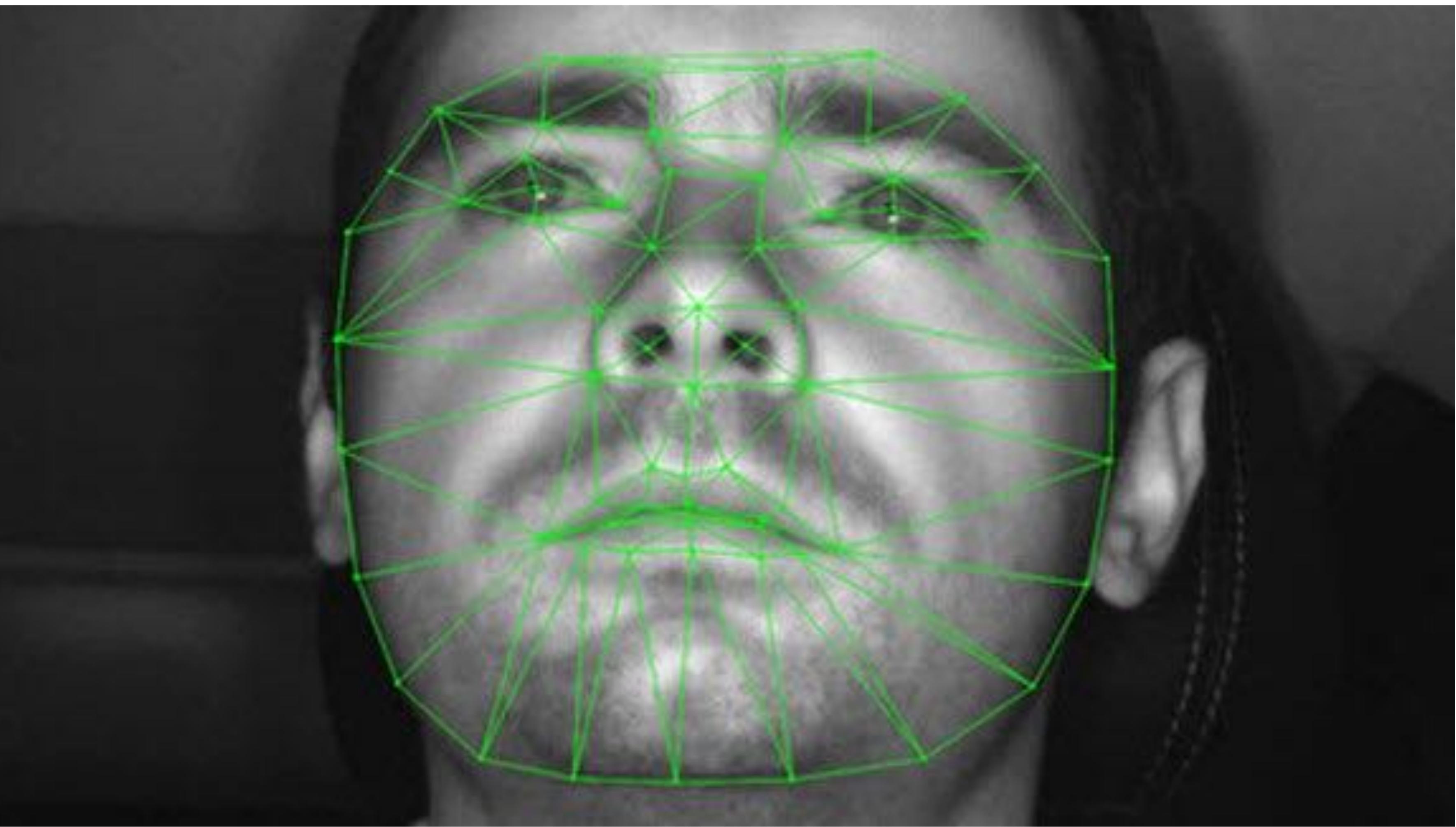
Media: giphy

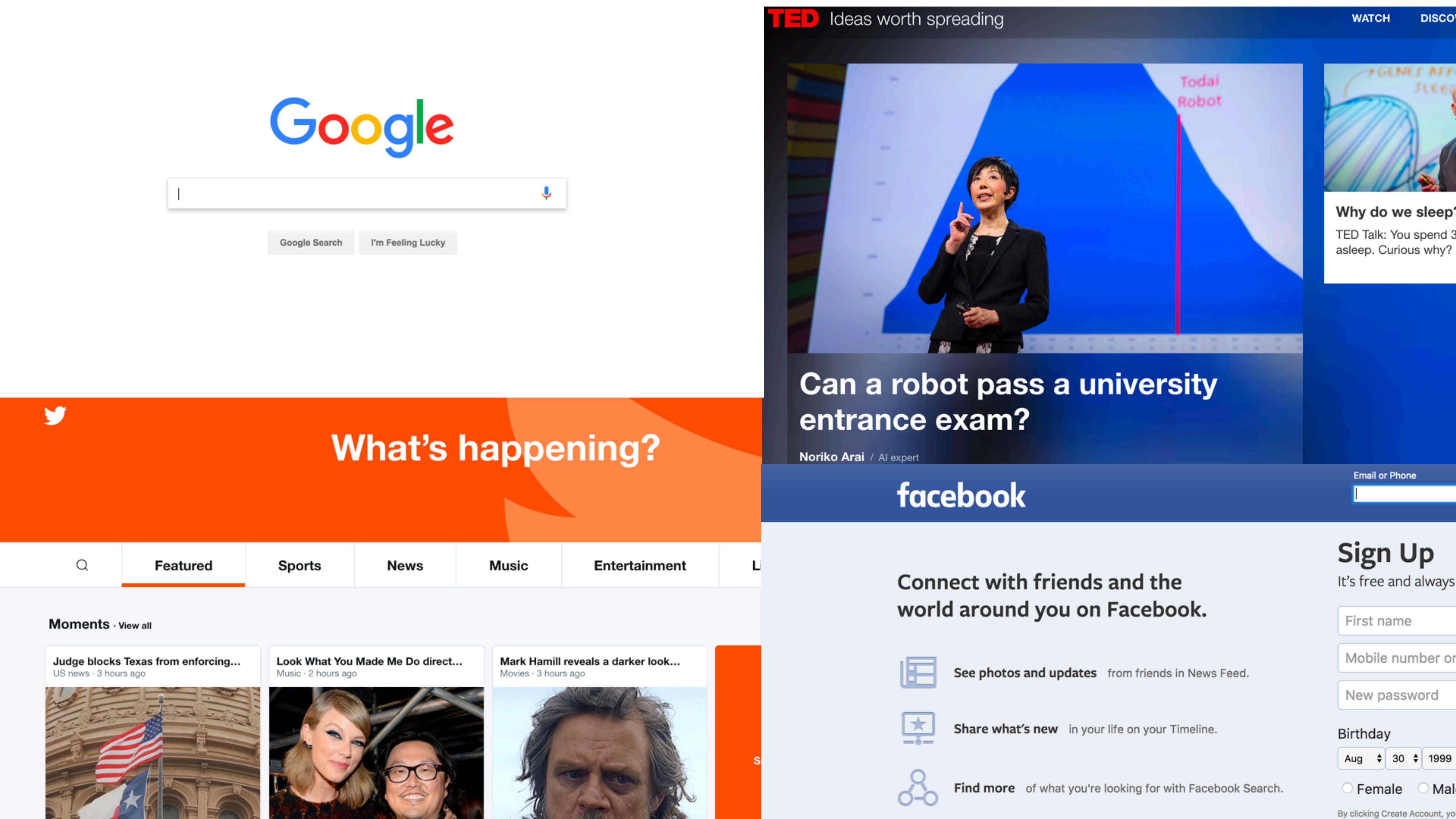


**Media: Daniel Shiffman, Nature of Code**



**Media: giphy**





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US news · 3 hours ago



Look What You Made Me Do direct...

Music · 2 hours ago



Mark Hamill reveals a darker look...

Movies · 3 hours ago



**TED** Ideas worth spreading

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Todai  
Robot

## Can a robot pass a university entrance exam?

Noriko Arai / AI expert

# facebook

## Connect with friends and the world around you on Facebook.



See photos and updates from friends in News Feed.



Share what's new in your life on your Timeline.



Find more of what you're looking for with Facebook Search.

## Sign Up

It's free and always

First name

Mobile number or

New password

Birthday

Aug 30 1999

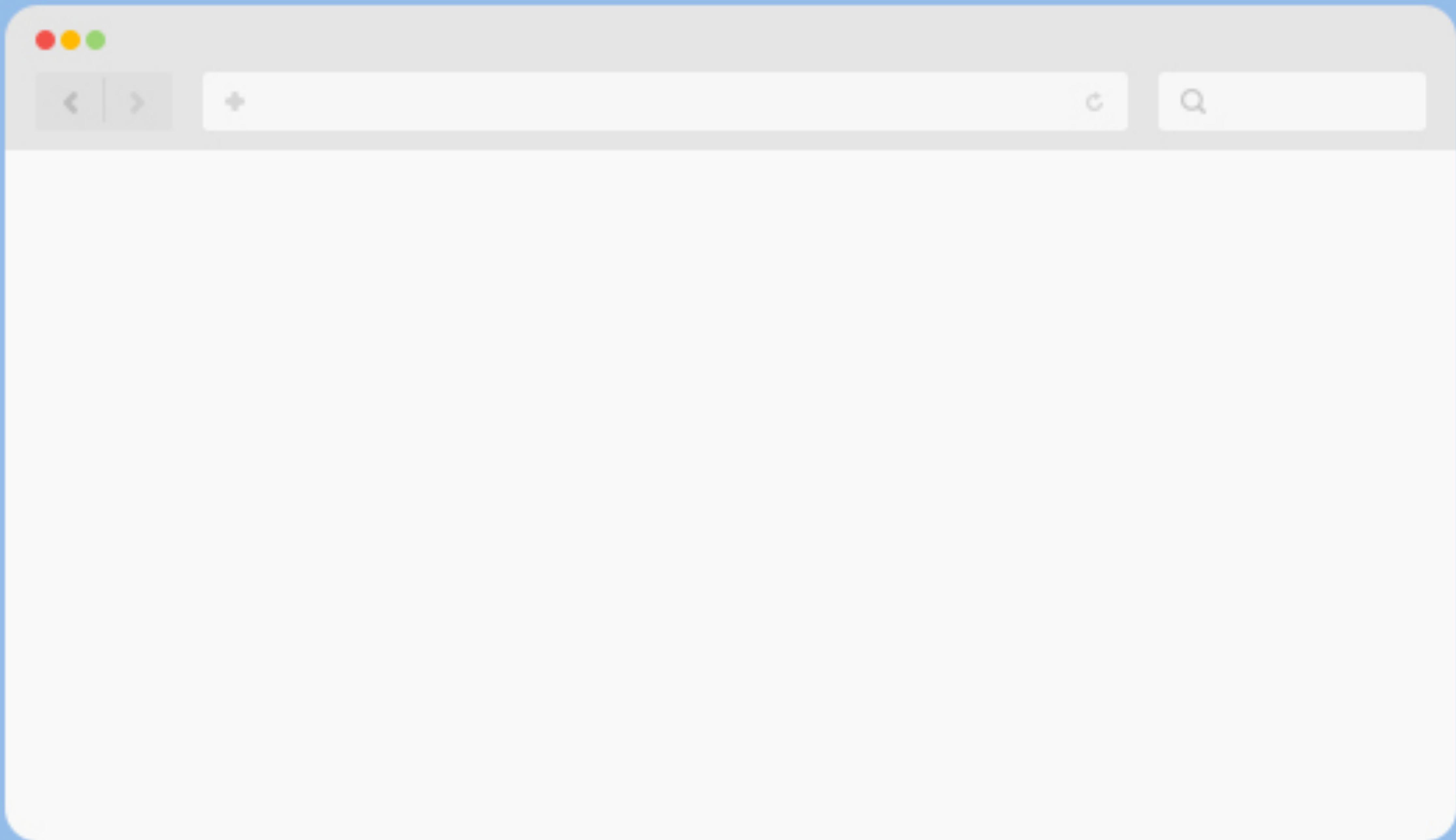
Female

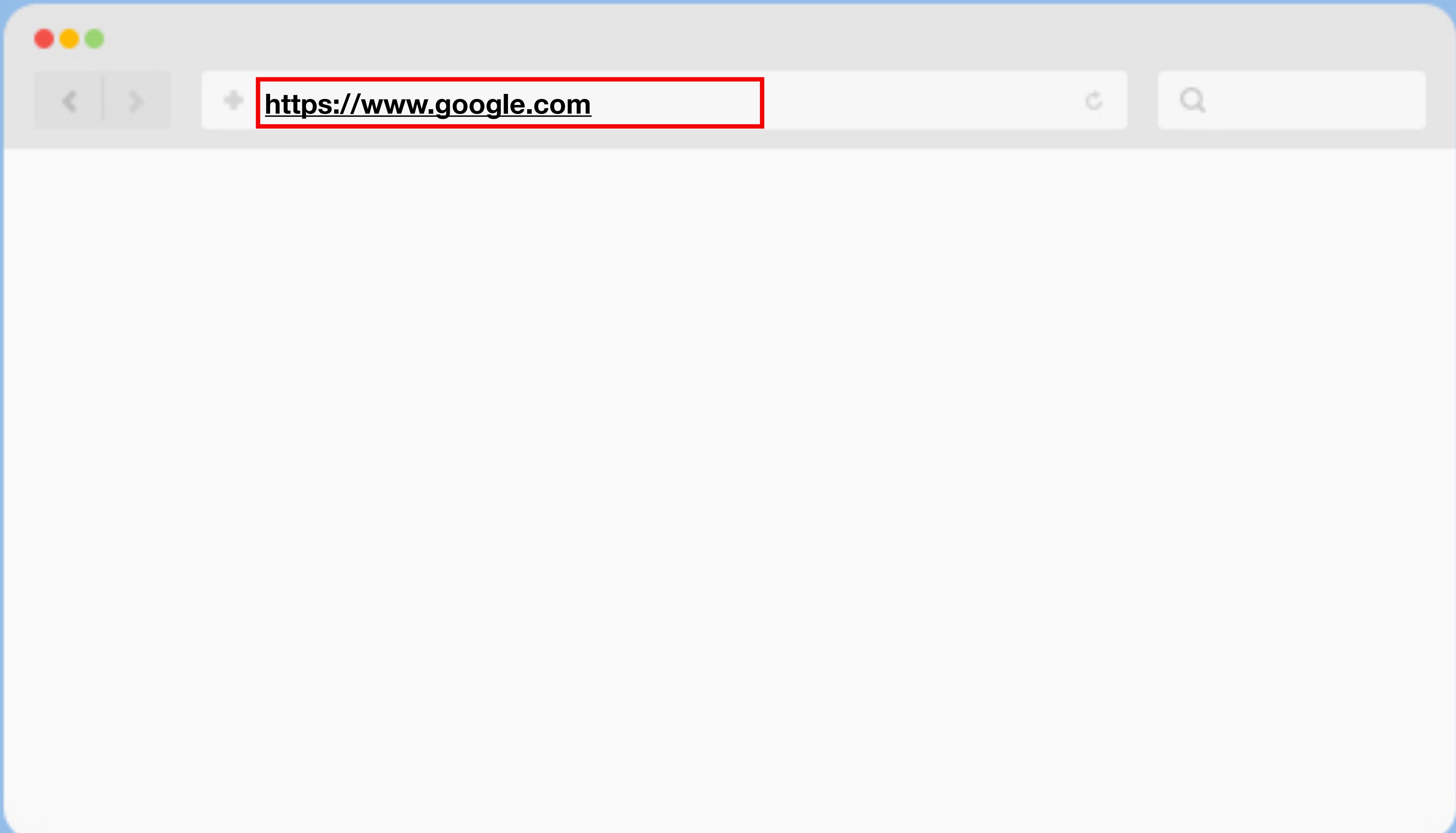
Male

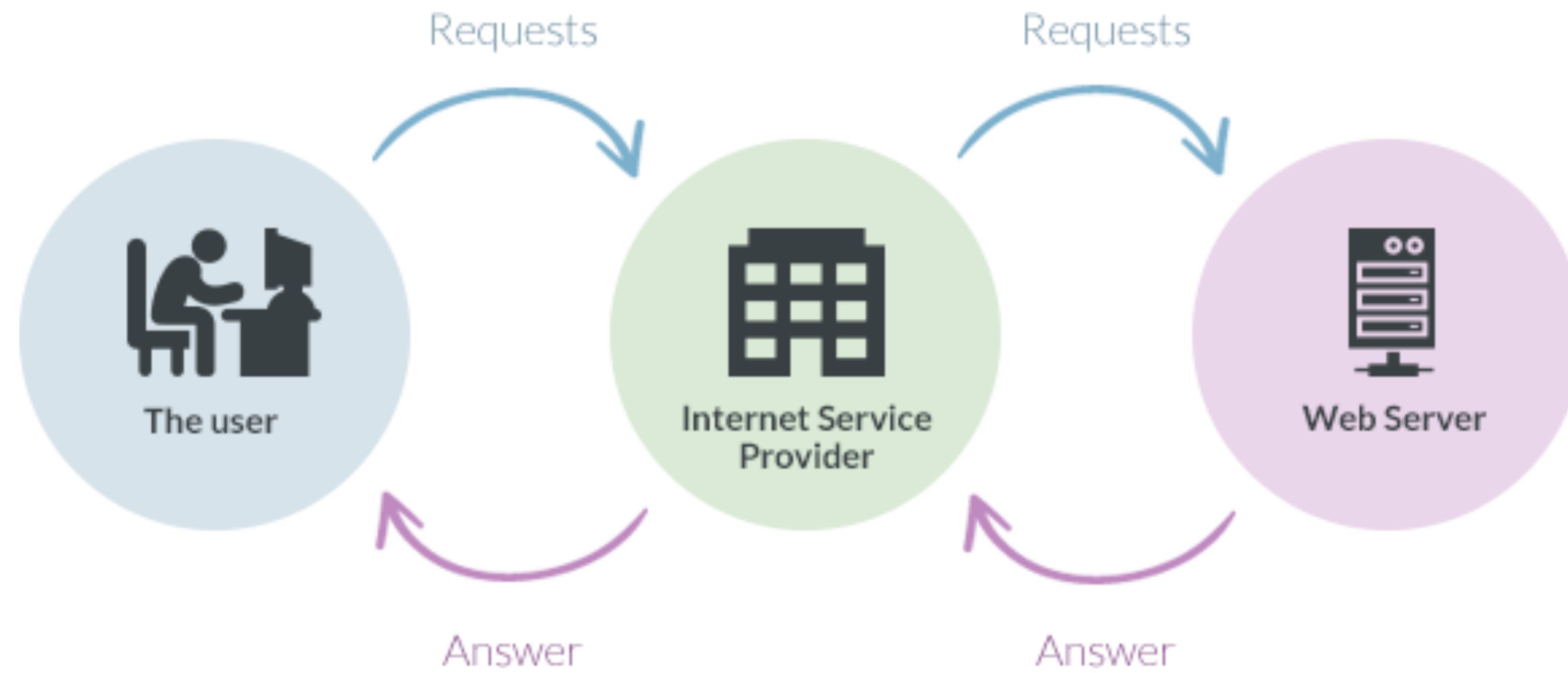
By clicking Create Account, yo

# Web Overview

a collection of related web pages, including multimedia content, identified with a common domain name, and published on at least one web server







**HTML**



**CSS**



**JS**



# Web Page

**HTML**  
Content &  
Structure

Headings,  
Paragraphs  
Lists

**CSS**  
Presentation

Font  
Color  
Background color  
Border

**JavaScript**  
Behavior

dynamic display  
widgets  
user interaction  
click to open a popup



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AdChoices

## Raid in Yemen: Risky From the Start and Costly in the End

By ERIC SCHMITT and DAVID E. SANGER 9:34 PM ET

- One American soldier was killed and three others were wounded in the raid on the home of a senior Qaeda collaborator, and there are allegations that several civilians were killed.
- While President Trump said it was an overall success because of recovered intelligence, the planning of the raid, under President Barack Obama, and the



President Trump with his national security adviser, Michael T. Flynn, center, and his top strategist, Stephen K. Bannon Al Drago/The New York Times

## Making Policy, With a Dark View of Islam

By SCOTT SHANE, MATTHEW ROSENBERG and ERIC LIPTON 34 minutes ago  
A vision of Islam as inherently hostile has long flourished on the far right. Now President Trump and his top aides have pushed it to the center of American decision-making on security and law

### EDITORIAL

#### White House Inc.

Congress shouldn't stand by as the most powerful office in the world is reduced to a marketing scheme.



- Editorial: Quebec Responds to Hate With More Tolerance
- Bruni: Where Is Kushner?
- Douthat: Populism's Weakness
- Friedman: Dear C.E.O.s ...
- Leonhardt: Why Democrats Should Oppose Neil Gorsuch
- Letters: The Battle Ahead for the Supreme Court

### The Opinion Pages

#### OP-ED CONTRIBUTOR

#### The Art of the Deal in Afghanistan

By BARNETT R. RUBIN  
President Trump will have to talk to the Taliban.



#### THIS WEEK IN HATE

#### 'Everyone Is Welcome Here'

By ANNA NORTH  
When they heard about an alleged hate crime in their community, high school students took a stand.



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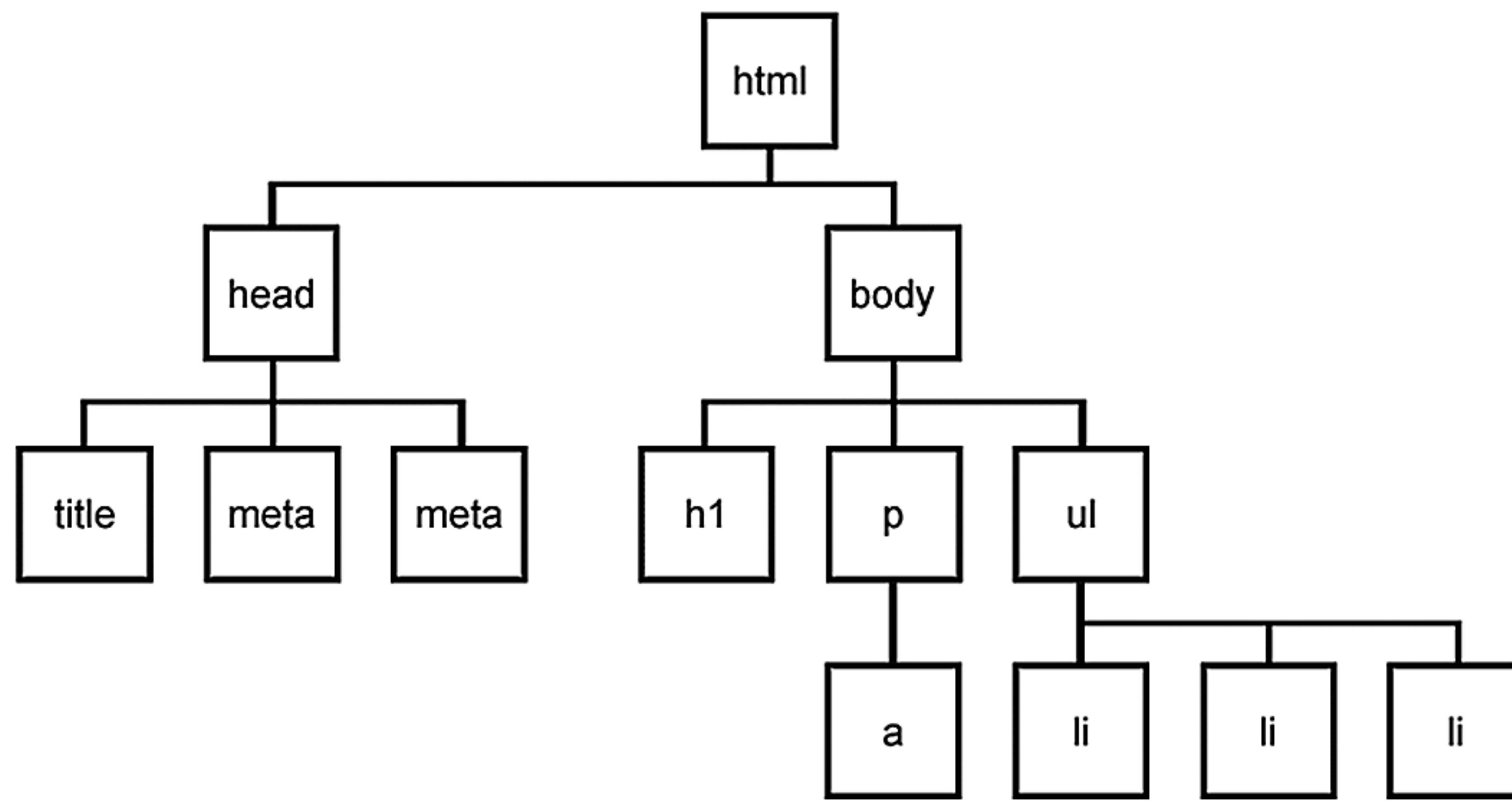
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# Exercise

**HTML = STRUCTURE**



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# Airbnb

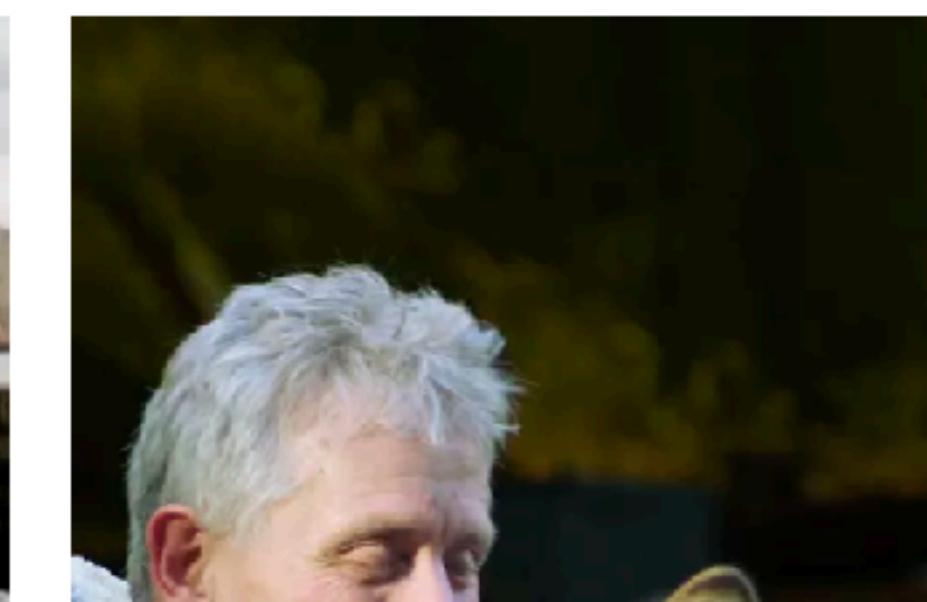
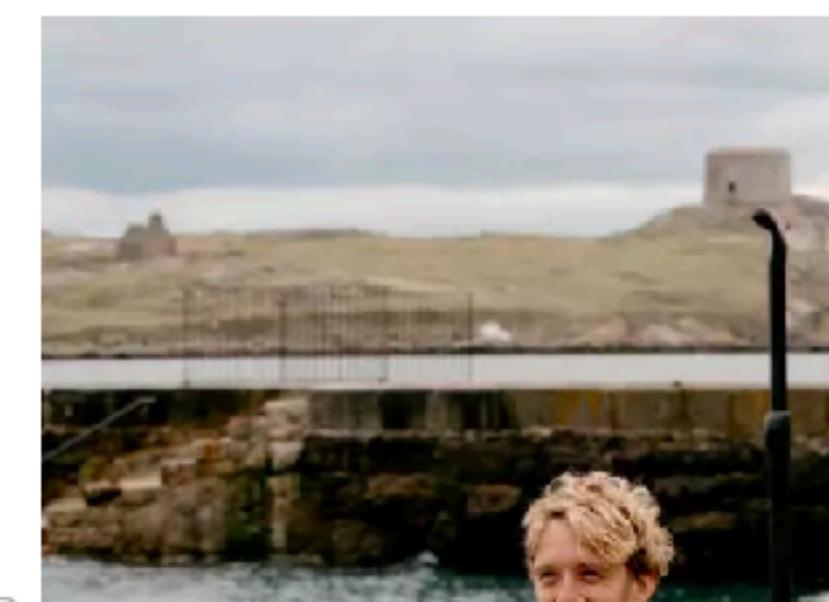
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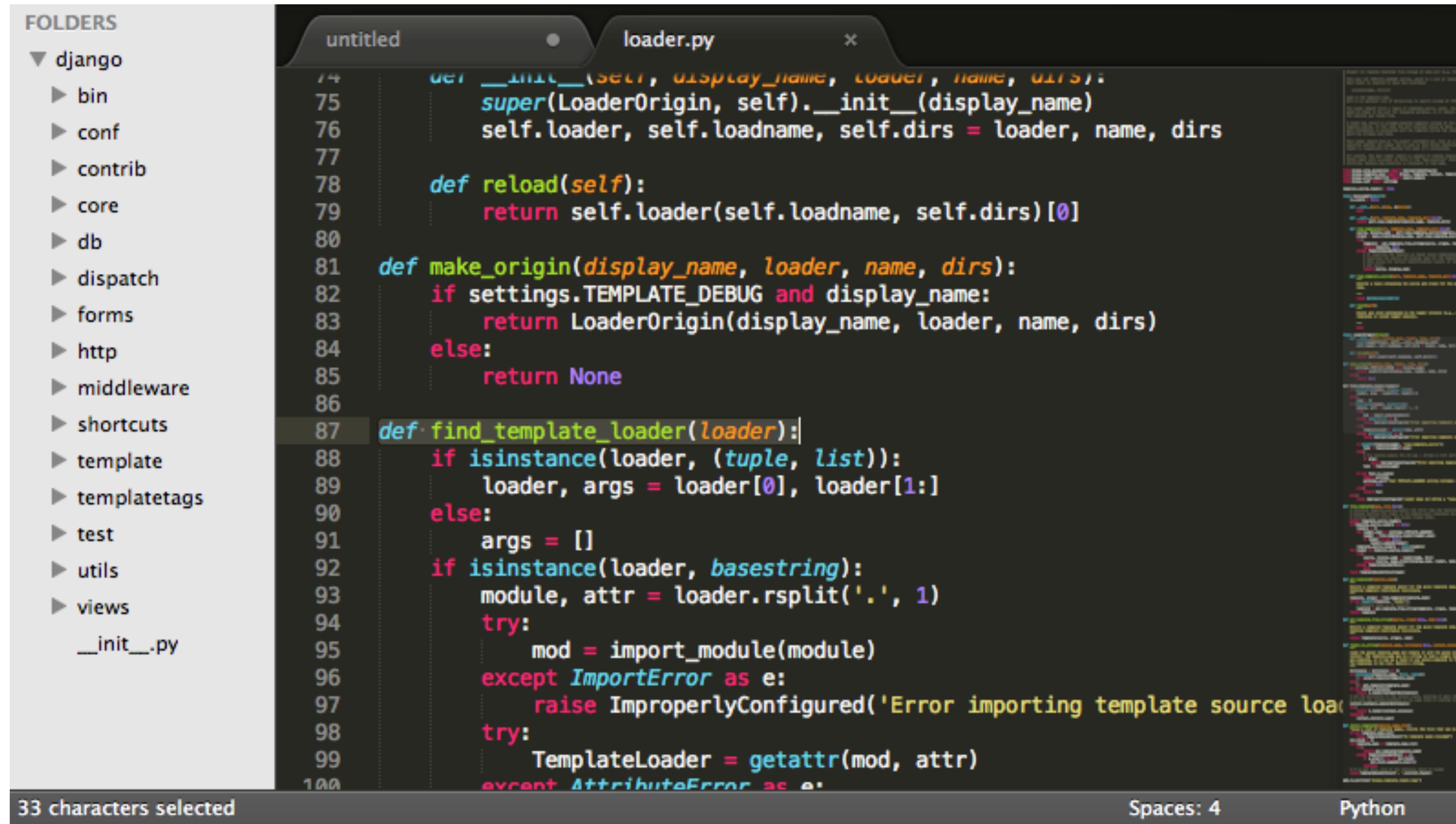
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# Intro to Sublime

# Download Sublime here



The screenshot shows a Sublime Text interface with a sidebar titled "FOLDERS" containing a "django" folder with various subfolders and files. The main area has two tabs: "untitled" and "loader.py". The "loader.py" tab is active, displaying the following Python code:

```
14     def __init__(self, display_name, loader, name, dirs):
15         super(LoaderOrigin, self).__init__(display_name)
16         self.loader, self.loadname, self.dirs = loader, name, dirs
17
18     def reload(self):
19         return self.loader(self.loadname, self.dirs)[0]
20
21     def make_origin(display_name, loader, name, dirs):
22         if settings.TEMPLATE_DEBUG and display_name:
23             return LoaderOrigin(display_name, loader, name, dirs)
24         else:
25             return None
26
27     def find_template_loader(loader):
28         if isinstance(loader, (tuple, list)):
29             loader, args = loader[0], loader[1:]
30         else:
31             args = []
32         if isinstance(loader, basestring):
33             module, attr = loader.rsplit('.', 1)
34             try:
35                 mod = import_module(module)
36             except ImportError as e:
37                 raise ImproperlyConfigured('Error importing template source loader %s' % loader)
38             try:
39                 TemplateLoader = getattr(mod, attr)
40             except AttributeError as e:
41                 raise ImproperlyConfigured('Template loader %s does not define a "%s" attribute' % (mod, attr))
42             return TemplateLoader(*args)
43         return loader
44
45     def __repr__(self):
46         return '<LoaderOrigin for %s>' % self.loadname
47
48     def __eq__(self, other):
49         if not isinstance(other, LoaderOrigin):
50             return False
51         return self.loadname == other.loadname and self.dirs == other.dirs
52
53     def __hash__(self):
54         return hash((self.loadname, self.dirs))
```

At the bottom of the interface, status bars indicate "33 characters selected", "Spaces: 4", and "Python".

# What is Sublime?

- Sublime is a plain text/code editor. There are many code editors
- Other popular ones include Atom and Brackets
- It is not the same as Microsoft word!
- Fundamentally the same as plain text editor (textedit or notepad) but has color coding, indentation, and auto-finish to help us
- Pay attention to those things!
- Tutorial [here](#)

```
<!doctype html>
<html>
  <head>
    </head>
  <body>
    <h1>Hello world!
  </body>
</html>
```

# Starting project in Sublime

1. Option 1: Create a new index.html by going **File > New** and then saving that file as index.html
2. Option 2: If you're working from an example, download the folder. Then in Sublime, go to **File > Open** and work from there.

# Homework Assignment

# Homework for next week

1. Send me an email, so I have your email address
2. Sign up for a Slack channel & write a short 2-3 sentence introduction about yourself in #intros channel
3. Download Sublime text editor
4. Sign up for a presentation slot on a [GitHub Wiki](#) (2 volunteers for next Wednesday!)
5. Watch: Sublime [tutorial](#): #1-#3 videos
6. Read: [Long Live The Web](#) by Tim Berners-Lee & write 2-3 sentences on your thoughts about it (whether you agree, questions you want to discuss, etc.)
7. 2 volunteer students: 5-7 min presentation about web experience

# Next class: Intro to HTML

- Wednesday, 9/6 5:30-6:45pm
- Thursday, 9/7 5:30-6:45pm
- Office hours: Wednesday 9/6 4:30-5:30pm