

**HECK YEA, IT'S  
CCLAB!**

**Pull up your homework!**

# TERMINAL & GIT

# TERMINAL + GIT

Log-in to Git Hub and create a new repository



# TERMINAL + GIT

[Explore](#) [Gist](#) [Blog](#) [Help](#)[aesam](#)**Owner****aesam** ▼

/

**Repository name**

CCLabInClass



Great repository names are short and memorable. Need inspiration? How about **scaling-nemesis**.

**Description** (optional)**Public**

Anyone can see this repository. You choose who can commit.

**Private**

You choose who can see and commit to this repository.

**Initialize this repository with a README**

This will allow you to `git clone` the repository immediately. Skip this step if you have already run `git init` locally.

Add .gitignore: **None** ▼Add a license: **None** ▼**Create repository**

# TERMINAL + GIT

```
$ cd /Path/To/CCLabFolder
```

# TERMINAL + GIT

```
$ mkdir CCLabLiveCoding
```

# TERMINAL + GIT

```
$ cd CCLabLiveCoding
```



# TERMINAL + GIT

```
$ git init
```

# TERMINAL + GIT

```
$ git add .
```

# TERMINAL + GIT

```
$ git commit -m "hello git."
```

# TERMINAL + GIT

```
$ git remote add origin  
https://github.com/aesam/  
CCLabInClass.git
```

The link formula is github secure URL + your  
user name + your repo name + .git

(But it's easier to copy and paste that from the browser).

# TERMINAL + GIT

```
$ git push origin master
```

# TERMINAL + GIT

Check the repository in the browser.

# TERMINAL + GIT

```
$ cd ../CCLabClassCode/
```

# TERMINAL + GIT

```
$ git pull
```



# TERMINAL + GIT

```
$ cp -r 03-API ../CCLabLiveCoding/
```



SOURCE  
PATH

DESTINATION PATH

cp means “copy path”  
-r means “recursive” or all files

# TERMINAL + GIT

```
$ cd ../CCLabLiveCoding/
```

# TERMINAL + GIT

```
$ git open .
```

# TERMINAL + GIT

```
$ git add .
```

# TERMINAL + GIT

```
$ git commit -m "API code"
```

# TERMINAL + GIT

```
$ git push origin master
```

# TERMINAL + GIT

Check to the repository in the browser.

# TERMINAL + GIT





# JAVASCRIPT & APIs

# APIs

API stands for  
Application Programming Interface

# APIs

On the web, an API is a way for your code to get information from a third-party.

# APIs

You send hypertext transfer  
protocol (HTTP) requests.

# APIs

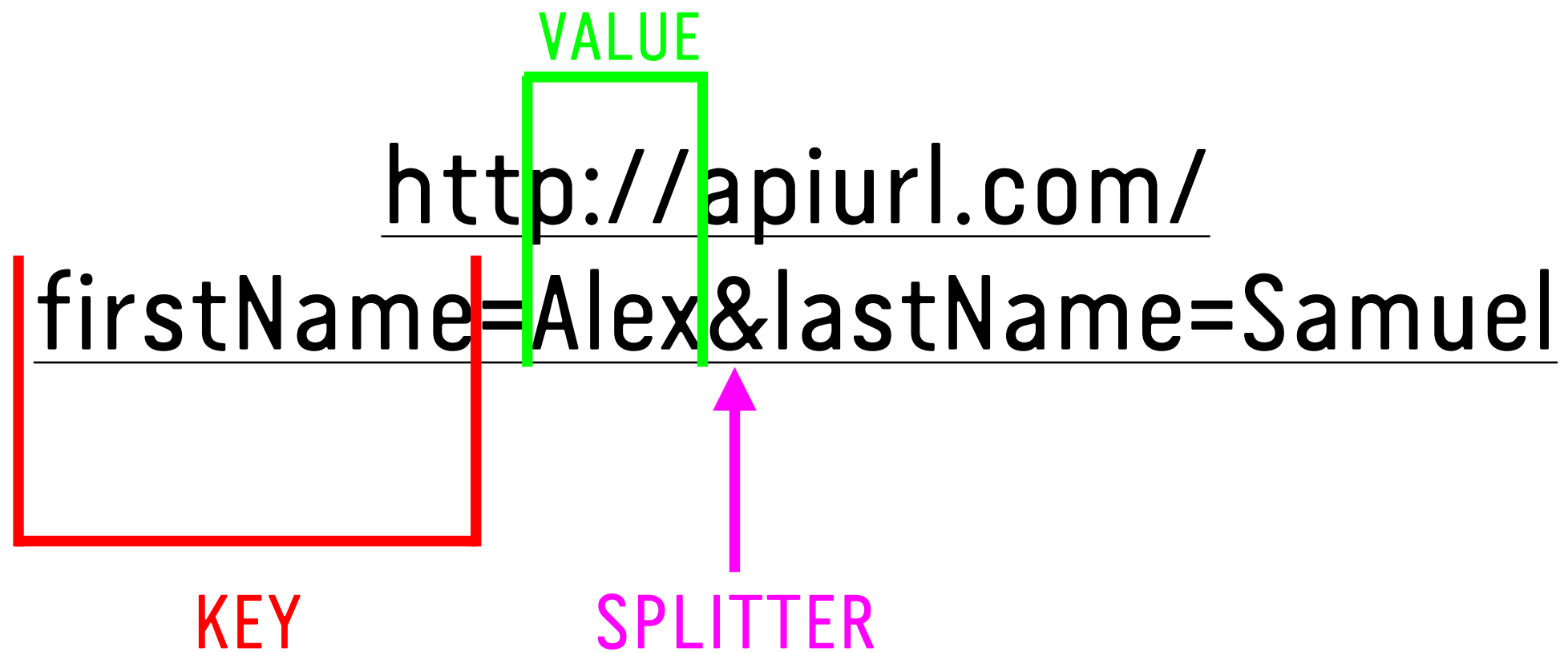
GET

POST

PUT

DELETE

# APIs



# APIs

The API returns JSON or XML files.

What is JSON?

Javascript Object Notation

plays well with Javascript



# APIs

```
var teacher = {  
    "firstName": "Alex",  
    "lastName": "Samuel",  
    "job": "well-developer",  
    "degree": "MFA"  
};
```

What is XML?

Extensible Markup Language

plays well with HTML

# APIs

```
<teacher>  
  <firstName> Alex </firstname>  
  <lastName>Samuel</lastname>  
  <job>web-developer</job>  
  <degree>MFA</degree>  
</teacher>
```

**LET'S TRY IT!**

# APIs

But first...you need an API key.

# APIs

<http://www.wunderground.com/weather/api/>

# APIs

www.wunderground.com/weather/api/

Google

wu Weather Maps & Radar Severe Weather Photos & Video Community News Climate Sign In

## A WEATHER API DESIGNED FOR DEVELOPERS

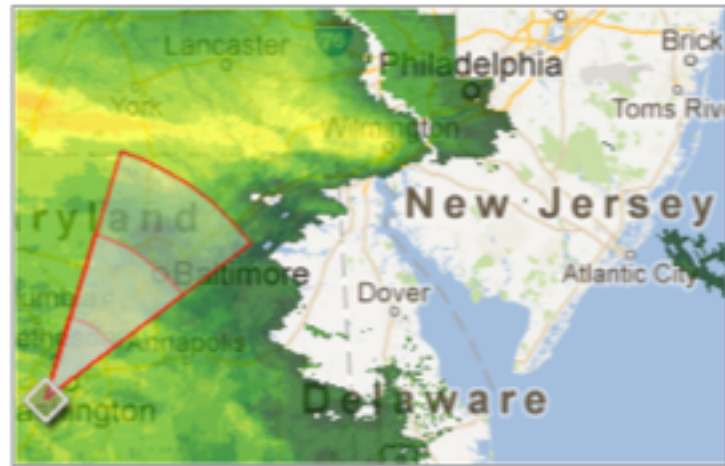
API Home Pricing Featured Applications Documentation Forums

Reliable data, accurate forecast, & global coverage in 80 languages. [About Our API](#)

### Key Features

- JSON or XML formatted ?
- Easy key management
- Error-logging tools
- Rate-monitoring tools
- Complete geo location services
- Autocomplete API to power geo-search
- Worldwide weather stations network ?

### WunderMap Layers ?



[Explore My Options >>](#) [Sign Up for FREE! >>](#)

Weather for Business Intelligence Sales Tracker

Weather Data for Your Business Free Widgets

Weather for Advertising Weather Targeting

# APIs

www.wunderground.com/weather/api/d/pricing.html

Google

Weather Maps & Radar Severe Weather Photos & Video Community News Climate

Sign In

GET YOUR API KEY

API HomePricingFeatured ApplicationsDocumentationForums

Customize a plan that suits your needs:

TOTAL: \$0 USD per month

Purchase Key >>

STRATUS PLAN	CUMULUS PLAN	ANVIL PLAN
<div>Geolookup</div> <div>Autocomplete</div> <div>Current conditions</div> <div>3-day forecast summary</div> <div>Astronomy</div> <div>Almanac for today</div>	<div>Geolookup</div> <div>Autocomplete</div> <div>Current conditions</div> <div>3-day forecast summary</div> <div>Astronomy</div> <div>Almanac for today</div>	<div>Geolookup</div> <div>Autocomplete</div> <div>Current conditions</div> <div>3-day forecast summary</div> <div>Astronomy</div> <div>Almanac for today</div>
	<div>10-day forecast summary</div> <div>Hourly 1-day forecast</div> <div>Satellite thumbnail</div> <div>Dynamic Radar image</div> <div>Severe alerts</div> <div>Tides and Currents</div> <div>Tides and Currents Raw</div> <div>Severe alerts</div>	<div>10-day forecast summary</div> <div>Hourly 1-day forecast</div> <div>Satellite thumbnail</div> <div>Dynamic Radar image</div> <div>Severe alerts</div> <div>Tides and Currents</div> <div>Tides and Currents Raw</div> <div>Severe alerts</div>
		<div>Hourly 10-day forecast</div> <div>Yesterday's weather summary</div>



# APIs

www.wunderground.com/weather/api/d/questionnaire.html?plan=a&level=0&history=0

what country are you or your company based in?

Select a country

Please give a brief description of how you will be using our API  
255 character max length

☐ I understand that usage of the Weather Underground API requires proper attribution

☐ I agree to the [Terms of Service](#)

Purchase Key >>

Your Selected Plan: Developer Stratus

Change Plan >>

Monthly Pricing	Calls Per Day	Calls Per Minute	+ History	TOTAL
\$0	500	10	\$0	\$0 USD per month

Weather for Business Intelligence

- Sales Tracker
- Case Studies
- Temperature Maps

Weather Data for Your Business

- Free Widgets
- Interactive Maps
- Custom Webpages
- Newspapers
- Printable Flyers
- API

Weather for Advertising

- Weather Targeting
- Advertise With Us
- Dynamic Creatives
- Media Kit

# APIs

www.wunderground.com/weather/api/d/questionnaire.html?plan=a&level=0&history=0

Google

what country are you or your company based in?

Select a country

Please give a brief description of how you will be using our API  
255 character max length

☐ I understand that usage of the Weather Underground API requires proper attribution

☐ I agree to the [Terms of Service](#)

Purchase Key >>

Your Selected Plan: Developer Stratus [Change Plan >>](#)

Monthly Pricing <b>\$0</b>	Calls Per Day <b>500</b>	Calls Per Minute <b>10</b>	+ History <b>\$0</b>	<b>TOTAL</b> <b>\$0</b> USD per month
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**Weather for Business Intelligence**

- Sales Tracker
- Case Studies
- Temperature Maps

**Weather Data for Your Business**

- Free Widgets
- Interactive Maps
- Custom Webpages
- Newspapers
- Printable Flyers
- API

**Weather for Advertising**

- Weather Targeting
- Advertise With Us
- Dynamic Creatives
- Media Kit

# APIs

Check your e-mail + log-in.

# APIs

Click “Key Settings” to see your API Key.

APIs

Check out the  
DOCUMENTATION

**GET PUMPED!**  
**HOMEWORK**

# HOMEWORK

1. GET YOUR CODE UP AND RUNNING
2. Try the Git Slides + get your repo working
3. START WORKING ON YOUR JS FINAL

# HOMEWORK

Everything you need to know about the JS final will be in this week's folder on the class repository.



# HOMEWORK

You now have the tools to  
figure out anything in JS  
on your own.



**MAKE SOMETHING AWESOME.**