Welcome Cyber#1

Reader:	reader.codaisseur.com
Slack:	codaisseur-school.slack.com
Discord:	https://discord.gg/qyehPh

challenging

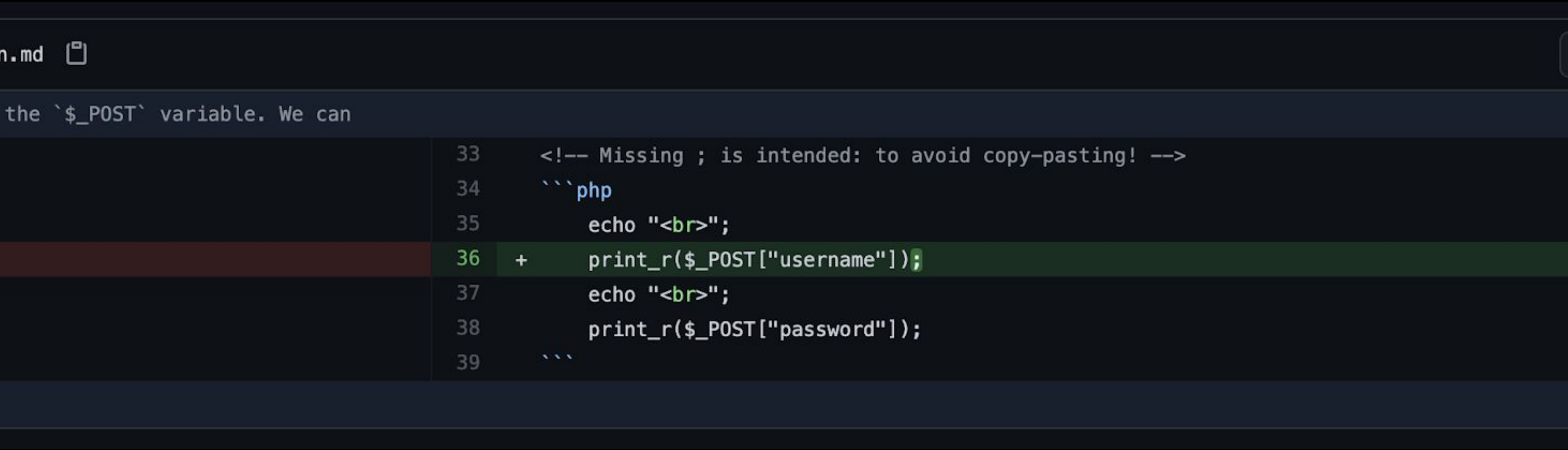
GROUP EXERCISE

But first:

Today...

- Web communications
- (continue) LAB
- Q & A

Be precise...



n.md

the `$_POST` variable. We can

~~~
<!-- Missing ; is intended: to avoid copy-pasting! -->
```php
    echo "<br>";
+   print_r($_POST["username"]);
    echo "<br>";
    print_r($_POST["password"]);
```
~~~

Web Communications...

How does a browser communicates with the server?

Web Communications...

- REST
- ~~GRAPHQL~~
- ~~Websockets~~

REST Guidelines...

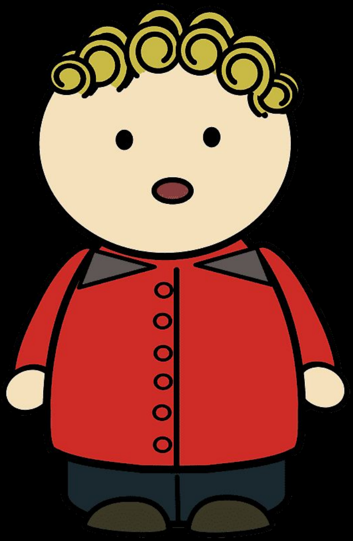
- Client-server
- Stateless (contain all information needed)
- Cache
- Uniform interface

How to recognise REST...

- GET
- POST

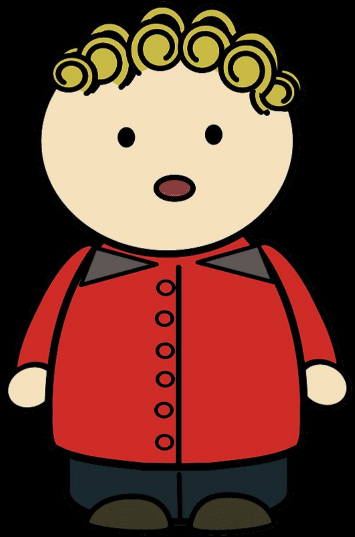
- PUT
- PATCH
- DELETE

How do requests work...



Harry

How do **requests** work...



Harry

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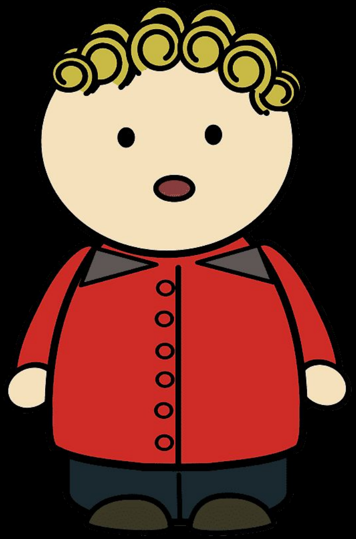
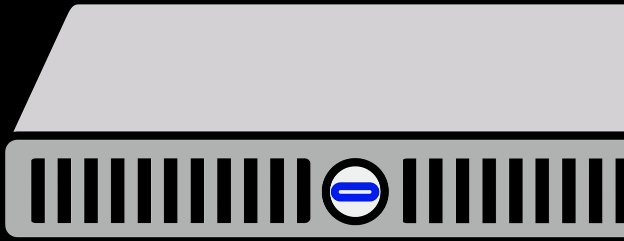


Harry

Sunshine.com



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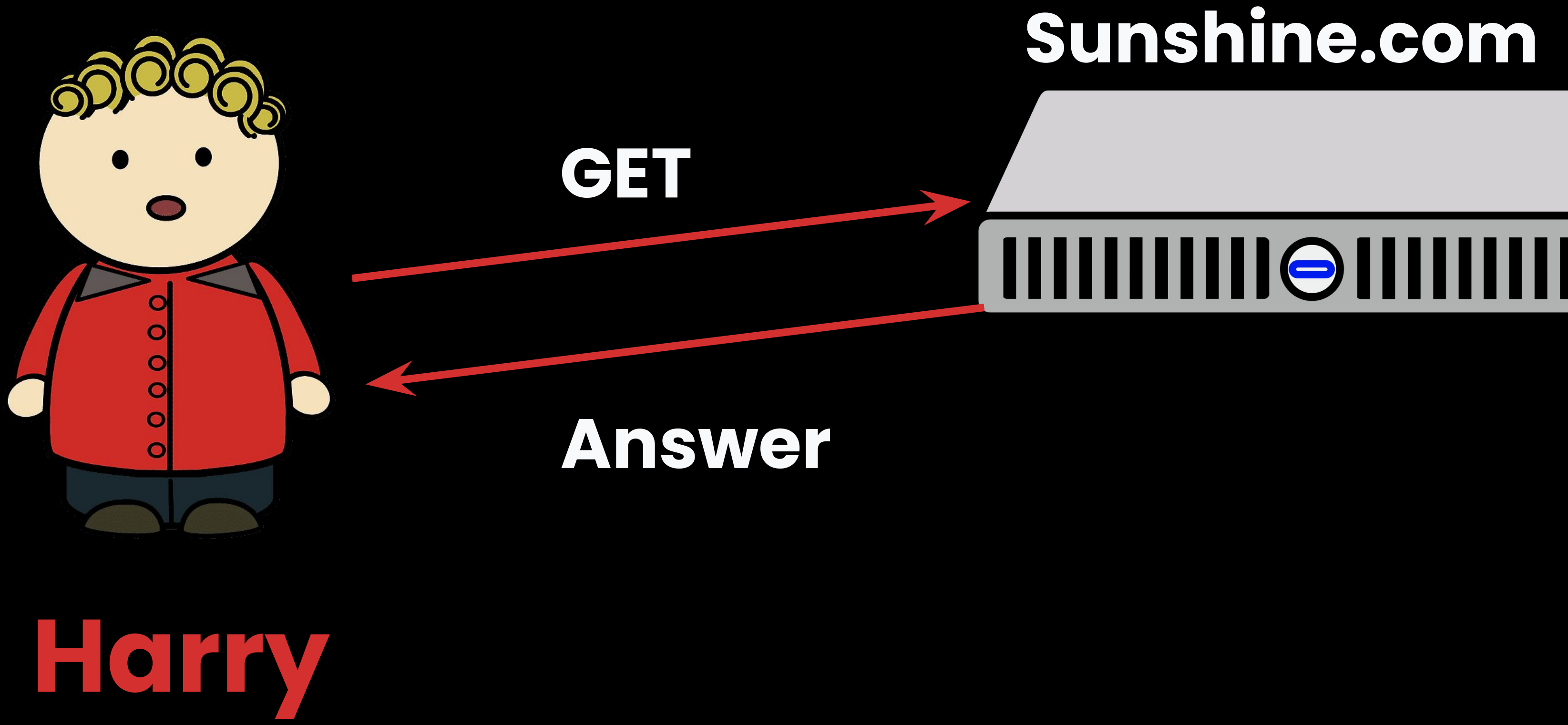
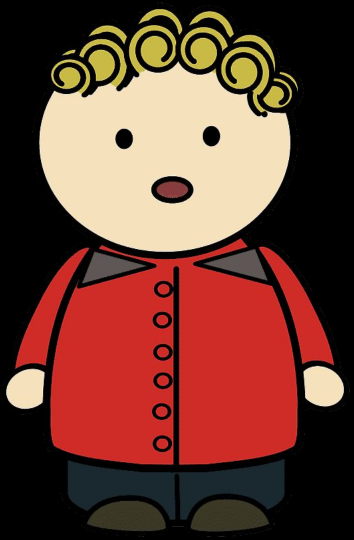


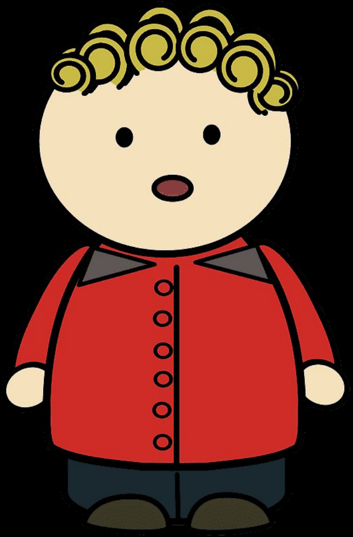
How do requests work...



Harry

How to get the latest weather forecast?

How do requests work...



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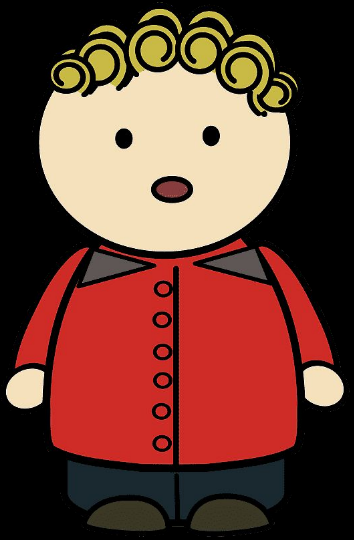
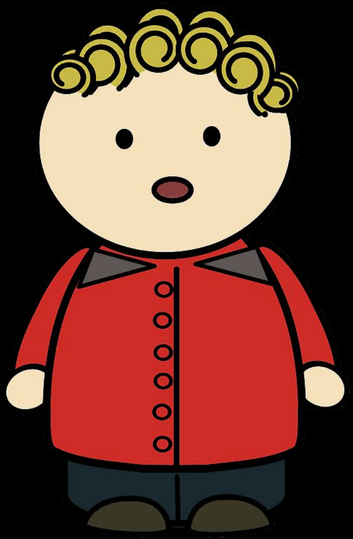


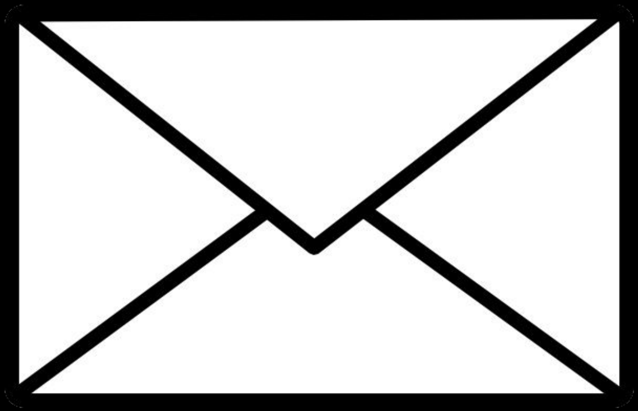
Harry

Websockets:
(keep the
connection open)
So the server can
keep sending info

How does login work...



Harry



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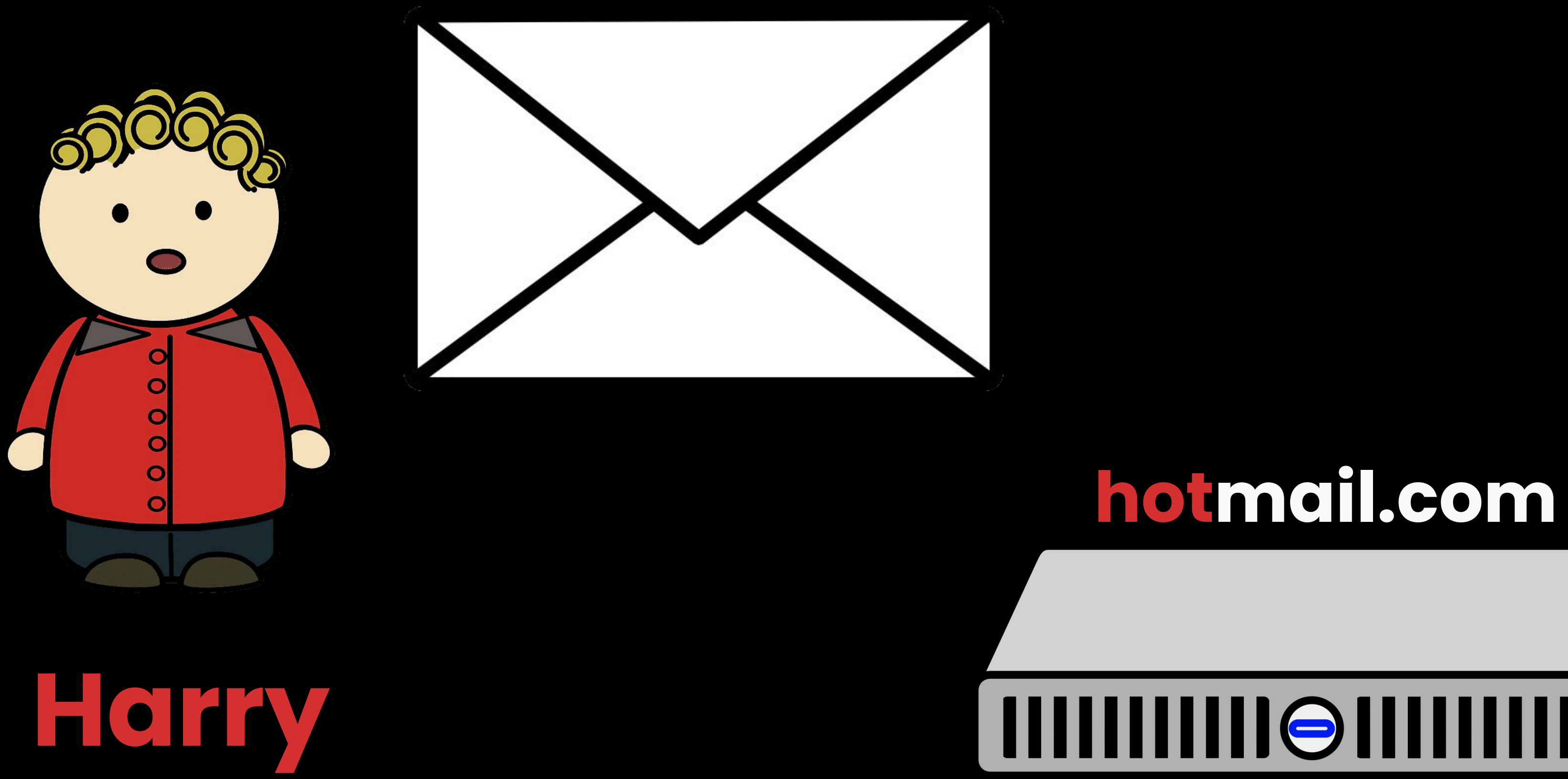

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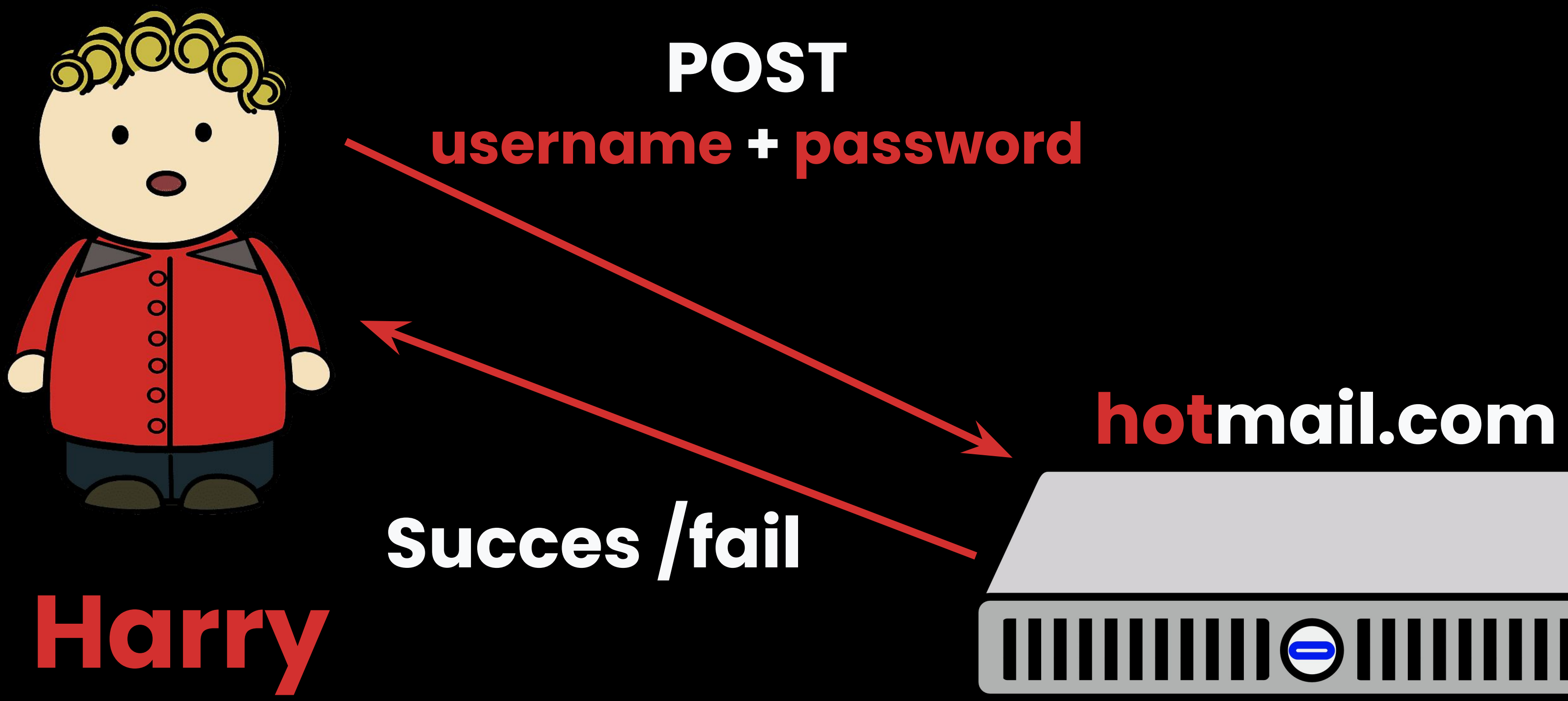
hotmail.com

How does login work...



POST

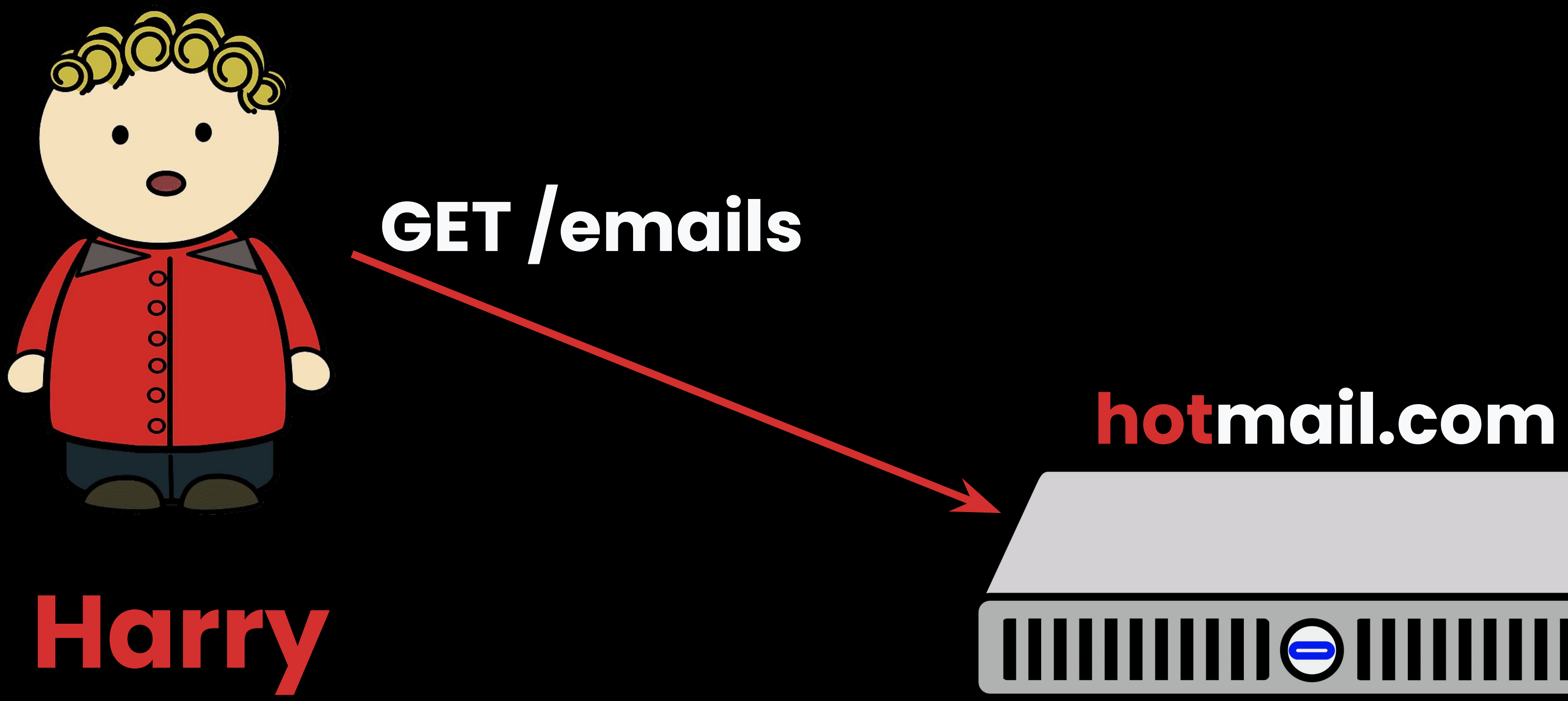
username + password

hotmail.com

Succes /fail

Harry

How do login work...



GET /emails

hotmail.com

Harry

How to **recognise** REST...

- **GET** : obtain information from server
- **POST** : send information to server

- **PUT** : change existing information on a server
- **PATCH** : partial change of information on a server
- **DELETE** : remove information from server

Q&A????

(Later)

LAB!

Rules

- Share your screen
- 1 driver - 2 or 3 navigators
- Rotate after every task
- Use the webserver at cakes.codaisseur.academy
- Take breaks (set a 20 min timer)
- Test, Test, Test, Test, Test, Test, Test
- Use Google or DuckDuckGo
- Use w3schools.com
- Use reader.codaisseur.com

DO 1:

Meet in **Discord** group x

1. SSH into cakes0x.codaisseur.academy
2. Install mysql
3. Install apache2
4. Install php

DO 2:

1. Make database (in mysql)
2. Make table called recipes (in mysql) (find requirements in data)
3. Add given data(to the cakes table)
4. Build a website called Codaisseur cakes(index.html)
5. Host website at cakes0x.codaisseur.academy
6. Show a list of cakes with their ingredients(count)
7. Add search functionality
8. Add a add a recipe functionality

Search functionality...

1. Add a form to your website
2. Add a text input field within the form tags
3. Add a submit button within the form tags
4. Make sure the form has a attribute: method="POST"
5. Make sure the form has a attribute: action="<filename>.php"

Add a recipe functionality...

Add * to be able to add recipes to the database

DB info

https://www.db-fiddle.com/f/bx7Qviz3NNFG98Nzyow7aQ/8

Groups

1. Pepijn, Marcin, Yann
2. Shangram, Raj, Camilia
3. Yvonne, Prawesh, Ximena,
4. Willemijn, Tjitze, Bozana, Filipe

GO!