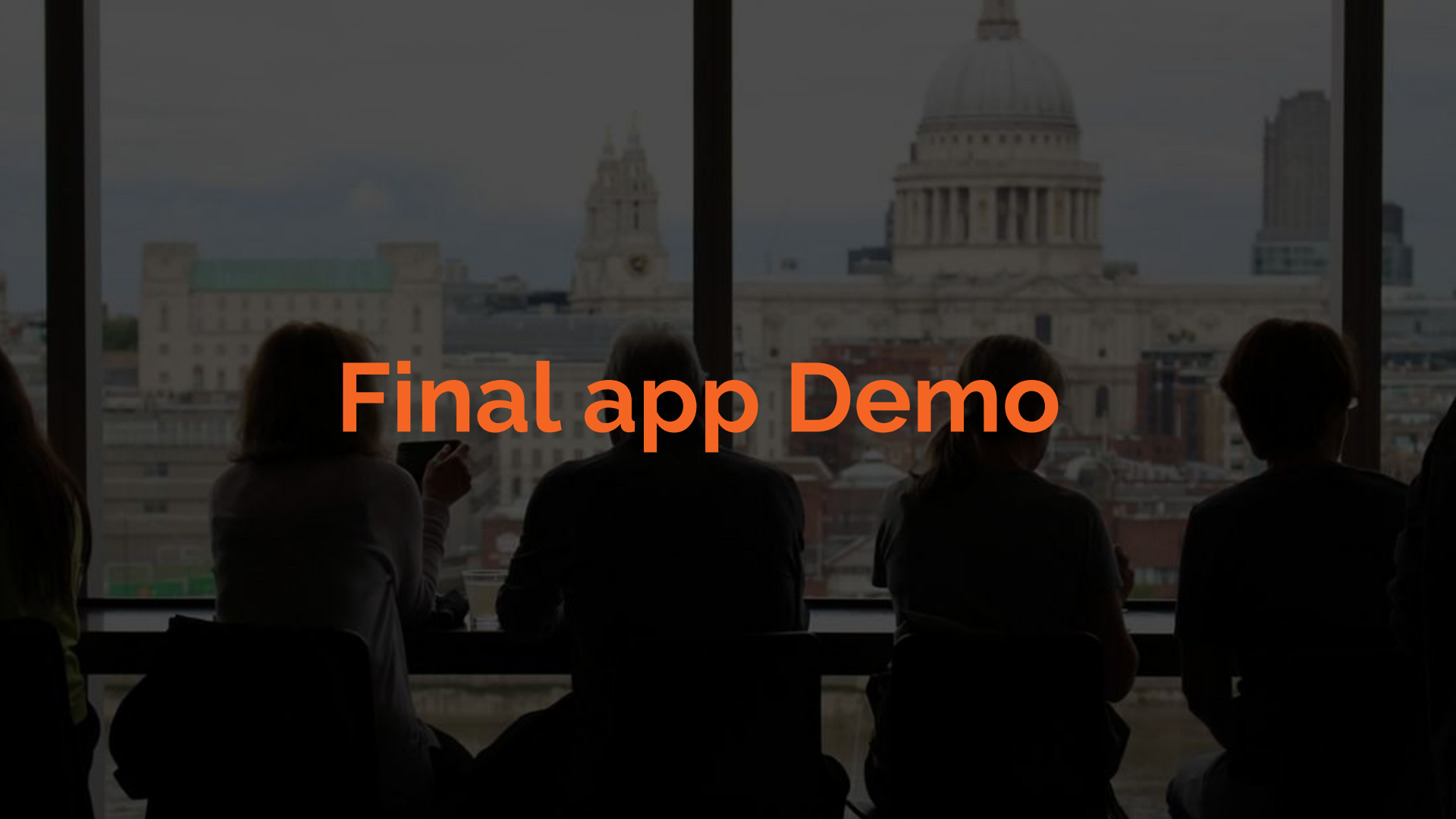
Hello Django

A two-day hands on workshop on Django


Final app Demo

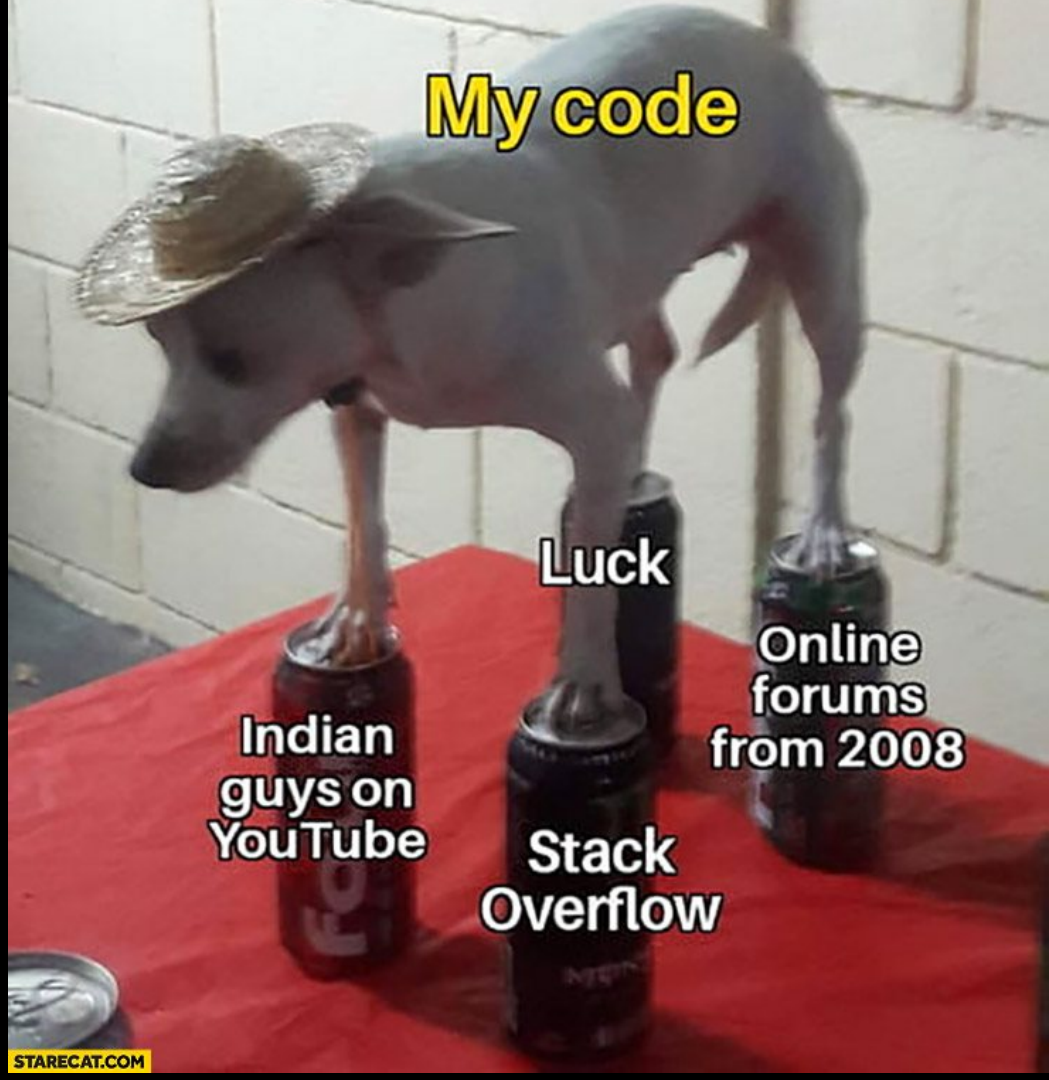
Why?

- Easy (visual medium).
- It's everywhere.
- ++opportunities;
- Hackathons.
- Freelance.
- Projects.
- Goes on…

Why not X?

- A good starting point (high level).
- Easy.
- Secure.
- Batteries-included (feature packed).
- Less dev time.
- **Does it really matter?**

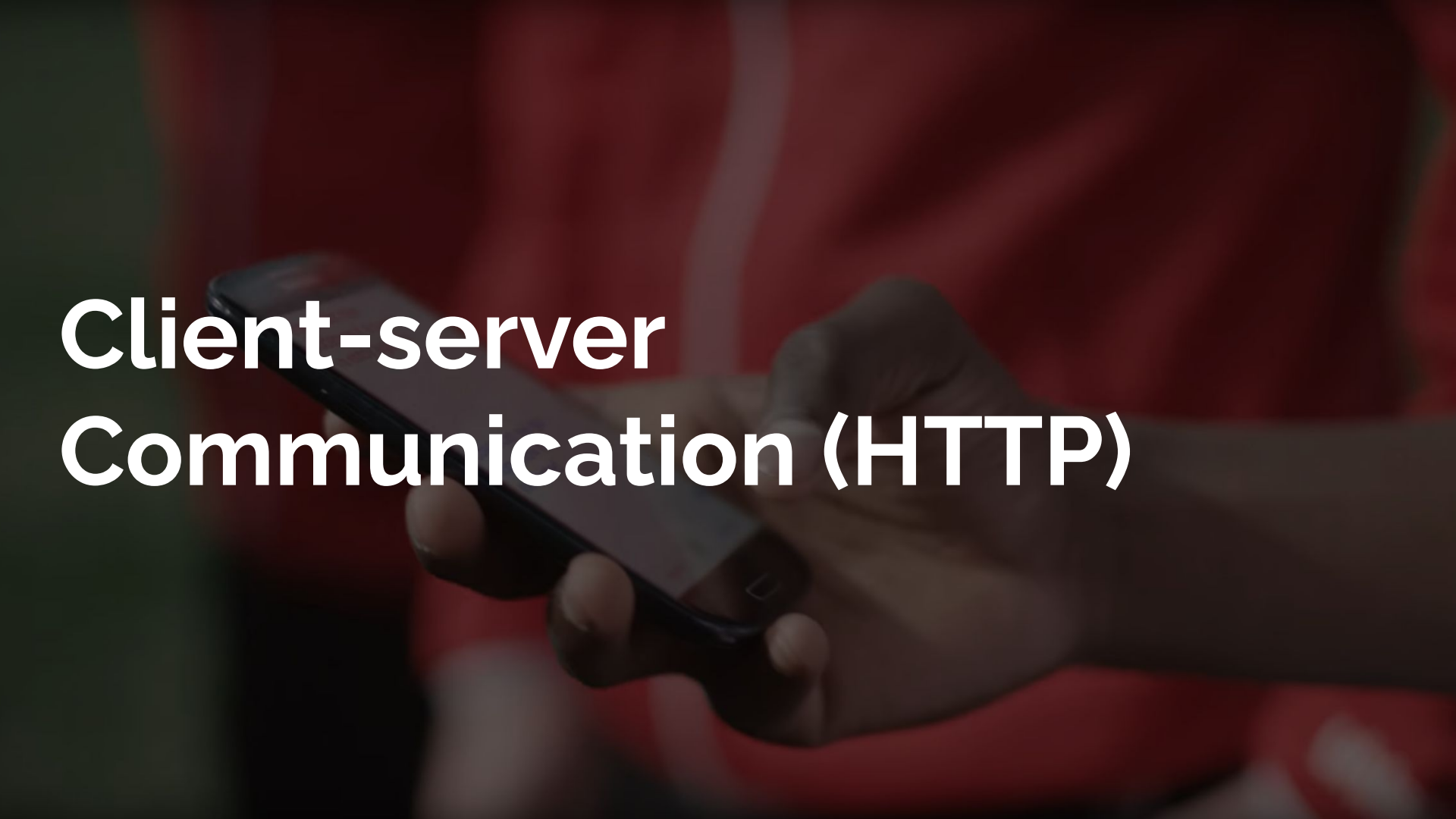
Concept matters!



Questions?

Practical Python!

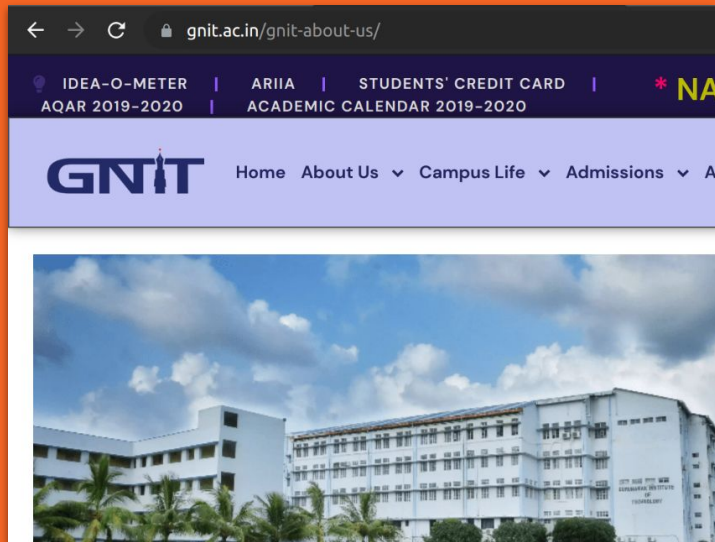
Questions?



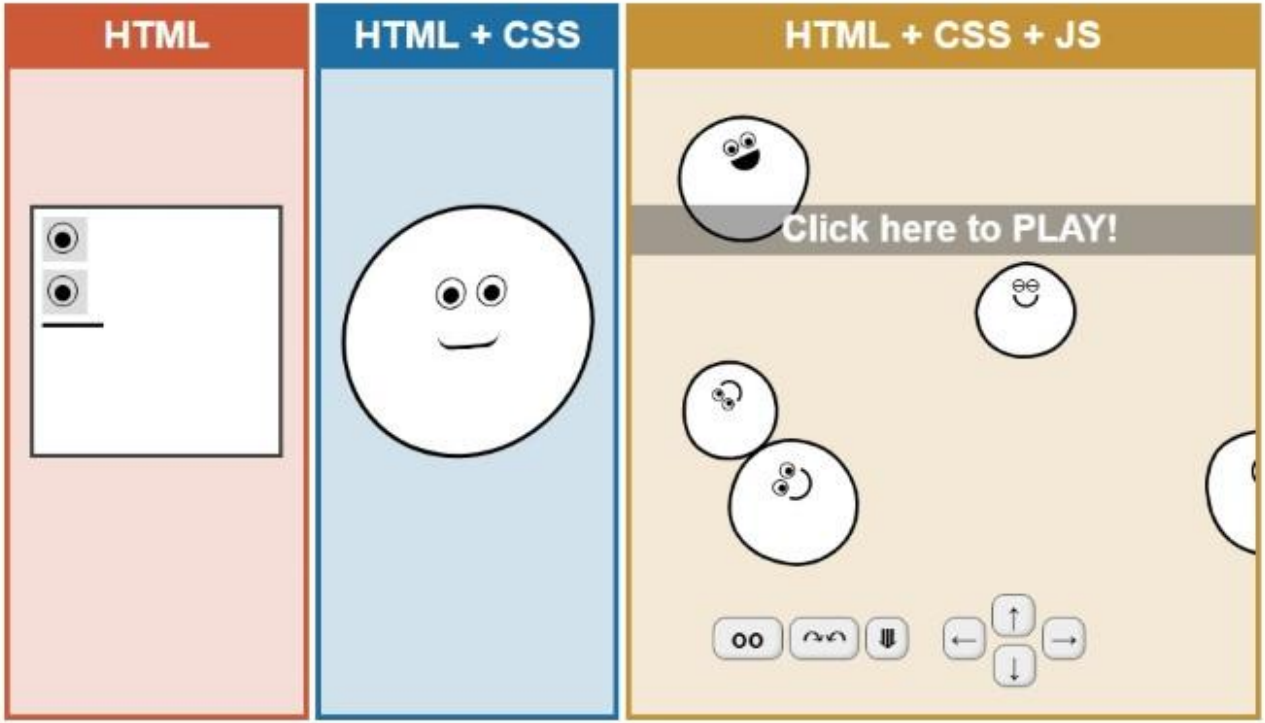
Client-server Communication (HTTP)

```
:authority: gnit.ac.in
:method: GET
:path: /gnit-about-us/
:scheme: https

accept: text/html,...,image/webp,image/apng,...
accept-encoding: gzip, deflate, br
accept-language: en-GB,en-US;...
cookie: PHPSESSID=b70a1cd40dee1ef9f610f1a780494a21

...

sec-ch-ua: "Not_A Brand";v="99", "Google
Chrome";v="109", "Chromium";v="109"
sec-ch-ua-mobile: ?0
sec-ch-ua-platform: "Linux"

...

user-agent: Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/109.0.0.0 Safari/537.36
```

```
...
status: 200 (OK)
content-encoding: gzip
content-type: text/html; charset=UTF-8
...
wpo-cache-status: cached
server: Apache ...
x-powered-by: PHP/7.3.33

+ the HTML page…
```



Break



Tip

JavaScript != Java

1. Practical html, css js (pattern) + post and cookies (auth)

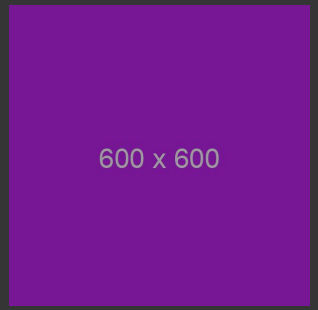
Questions?

—

Modern web (web 2.0)


```
[
  {
    "id": 1,
    "title": "title 1",
    "url": "https://via.placeholder.com…,
    "thumbnailUrl": "https://via.placeholder.com…
  },
  {
    "id": 2,
    "title": "title 2",
    "url": "https://via.placeholder.com…,
    "thumbnailUrl": "https://via.placeholder.com…
  }
]
```


JSON from server



title 1

title 2

Rendered HTML using a Front End framework (or a mobile app widget)

Thank you