Advanced Programming with Python

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Review yesterday's



- Review yesterday's
- Dealing with request bodies



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- Sending files from folder



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- working with HTML



So far, we've been sending data in response bodies but haven't yet seen how to receive data from requests.

Something we'll need to consider is that not all HTTP verbs allow us to set request bodies:

verb	allows body?
GET	no
HEAD	no
DELETE	no
PUT	yes
PATCH	yes
POST	yes



```
Getting request body (server)
from flask import request

@app.route("/get-body", methods = [ "POST" ])
def get_body():
   body = request.get_json()
   return "body received!" + str(body)
```



Using request body (client)

```
import requests

dictionary = {
    "name": "dict",
    "purpose": "none at all"
}

url = "http://localhost:5000/get-body"

requests.post(url, json=dictionary)
```



Exercise

Let's create a very simple Twitter clone! This Twitter must have the following functionalities:

POST /tweet: submit tweets {\"user\": \"pepe\", \"tweet\":
\"Hello world\"}



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Let's create a very simple Twitter clone! This Twitter must have the following functionalities:

- POST /tweet: submit tweets {\"user\": \"pepe\", \"tweet\": \"Hello world\"}
- GET /: List all tweets



Serving static files

Being able to serve static files is vital for websites. They can be images, videos, CSS templates, or anything you imagine.



Serving static files

In flask we can serve static files using the **send_from_directory** function. from flask import send_from_directory



Serving static files

Example

See session-3/example-1



Serving HTML

HTML files, as files of any other type can be served using the **send_from_directory** function.



Serving HTML

```
@app.route("/")
def index():
    return send_from_directory("html", filename="index.html")
```



Exercise

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See exercises/static_files



Useful links

https://real python.com/python-requests/

