How Servers and Frameworks Work

-Websites send HTML to your personal browser

-How does it know what to send? Your browser requests it via HTTP requests

HTTP Protocol

-based on a request-response model

-communication is always initiated by your browser

-HTTP Methods:

-HTTP GET: requests data from the server, does not change web application at all

-HTTP POST: carry data entered by the user to the server, like registering a user

-Response Codes: 200- everything is fine, 204- POST may send this saying “everything sent fine but I don’t have anything to show you”

-Most basic HTTP server:

import socket

HOST = ''

PORT = 80

listen\_socket = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)

listen\_socket.bind((HOST, PORT))

listen\_socket.listen(1)

connection, address = listen\_socket.accept()

request = connection.recv(1024)

connection.sendall("""HTTP/1.1 200 OK

Content-type: text/html

<html>

<body>

<h1>Hello, World!</h1>

</body>

</html>""")

connection.close()

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