



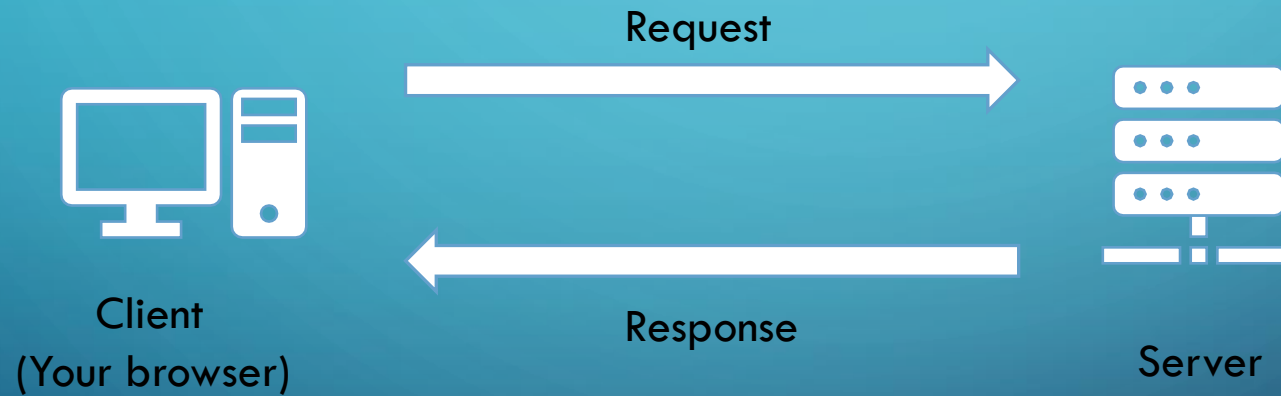
# HTTP REQUEST DEMO

---

INTRODUCTION TO  
HTTP REQUESTS!

# HOW WE ACCESS WEBPAGES

## Request-Response model / Client-Server Architecture



# HTTP METHODS

| HTTP Method | What it's telling the server                              | Successful response code   |
|-------------|---|----------------------------|
| GET         | Please get these documents and return them to me          | 200 (OK)                   |
| POST        | Please take this information and create a new document    | 201 (Created)              |
| PATCH       | Please update this document with the information provided | 200 (OK)                   |
| DELETE      | Please delete this document                               | 204 (No content to return) |

# COMMON 400 ERROR CODES

400 error codes are client side errors!

| HTTP status code | Error Type   | Message   |
|------------------|--------------|---|
| 400              | Bad Request  | The server cannot or will not process the request                 |
| 401              | Unauthorized | Authentication is required but not provided                       |
| 403              | Forbidden    | Attempting an action with no permissions to do so, similar to 401 |
| 404              | Not Found    | The requested resource can not be found                           |

# COMMON 500 ERROR CODES

500 error codes are server side errors!

| HTTP status code | Error Type            | Message  |
|------------------|-----------------------|--|
| 500              | Internal Server Error | Default message  |
| 502              | Bad Gateway           | Server is acting as gateway, and got bad response from upstream  |
| 503              | Server Unavailable    | The server is unable to handle the request                       |
| 504              | Gateway Timeout       | Similar to 502, but received no response in allotted time window |

# ASYNC VS SYNC

SYNCHRONOUS



**BLOCKING CODE!**

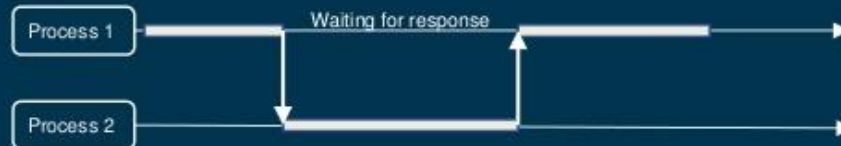
ASYNCHRONOUS



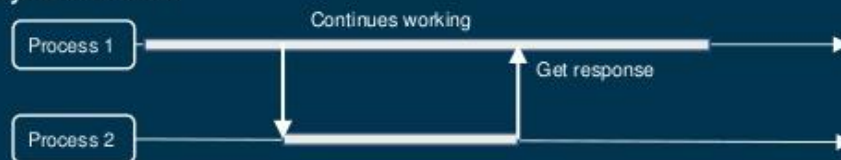
**Non blocking code!**

## Synchronous vs Asynchronous

- Synchronous



- Asynchronous



salesforce platform

Image borrow from  
[tinyurl.com/2uvmaso8](https://tinyurl.com/2uvmaso8)