# Front End Software Development

Front End Technologies (weeks 7 - 12) Week 06

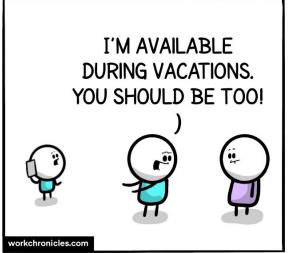


## Agenda

- Questions
- Final Project
  - APIs
    - GET
    - PUT / POST
    - DELETE
  - Troubleshooting

## Questions









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## Final Project

## **Final Project**

#### Requirements

- Data interaction (CRUD)
  - If you can use an existing API, use AJAX to interact with it. However, you do not have to use an API.

When you delete a block of code that you thought was useless



- If you do not use an API, store the entities you will create, read, update, and delete in an array.
- Application should have at least 1 entity per team member
- Use Bootstrap and CSS to style your project

#### **APIs**

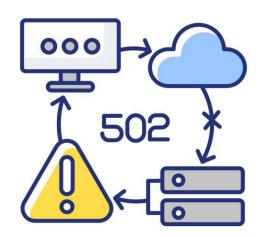
#### (Client Tools / Installation)

- Postman
  - http://www.getpostman.com/
- SoapUI
  - https://www.soapui.org/tools/soapui/
  - Also supports legacy SOAP web services
- Alternatives
  - CURL
    - Standard\* on Linux, Mac, UNIX, Windows 1706+
    - Older versions of windows:
      - https://curl.haxx.se/windows/
  - Chrome / Firefox
    - JSONVue / JSONView

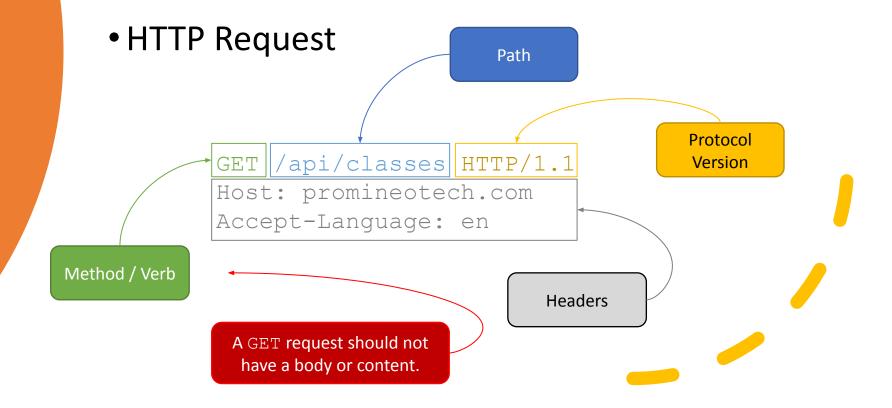


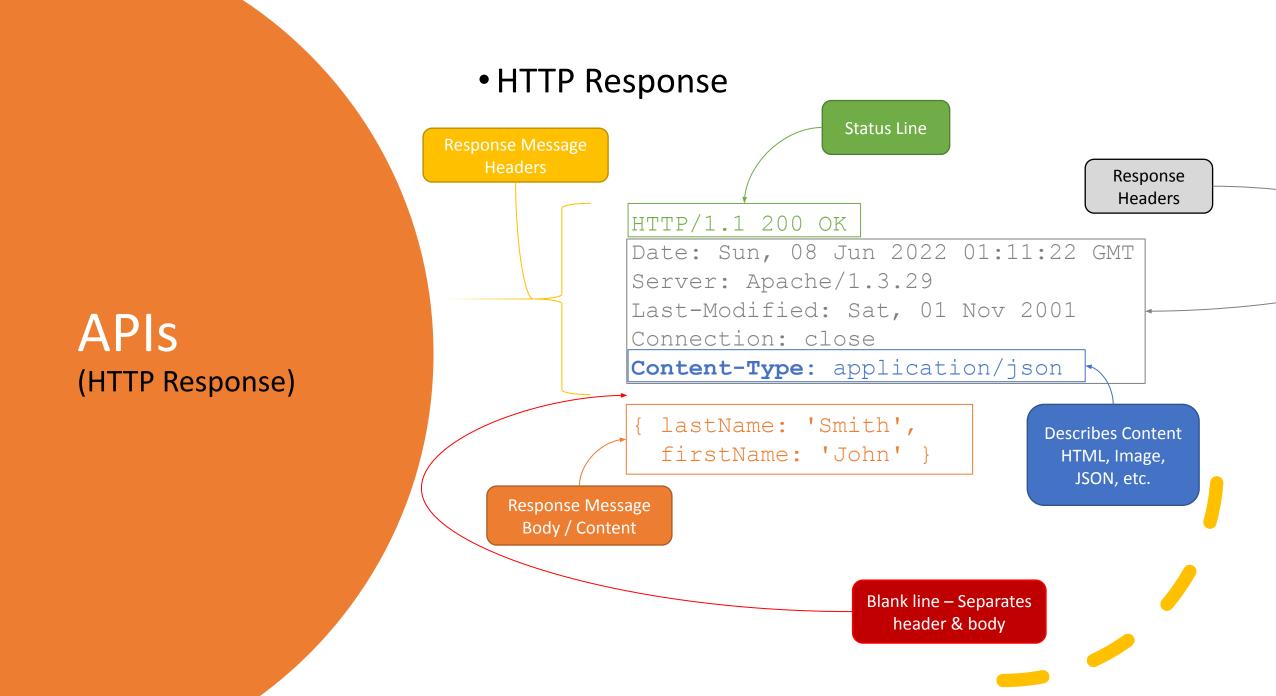
#### HTTP Methods / Verbs

- POST = Create
- **GET** = **Read**
- PUT = **U**pdate
- DELETE = Delete

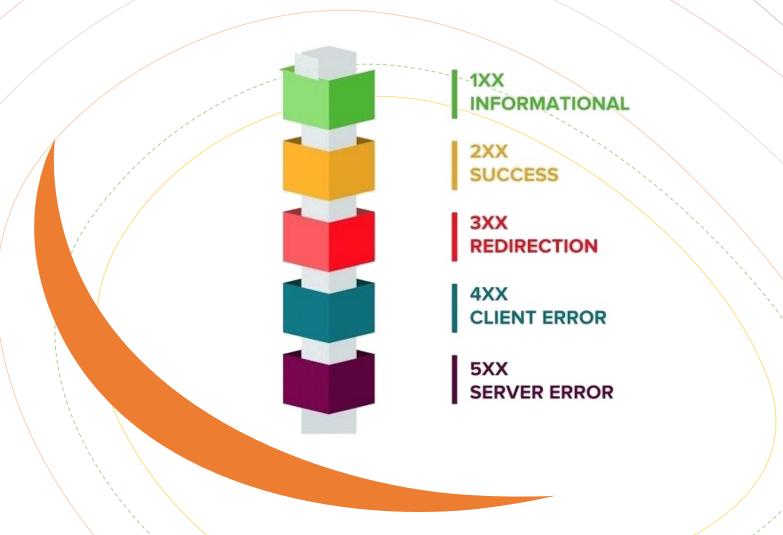


APIS (GET)





## APIS (HTTP Response / Status Codes)



#### Level 200 (Success)

• 200: OK

201 : Created

• 203 : Non-Authoritative Information

• 204 : No Content

#### **Level 400 (Client Error)**

• 400 : Bad Request

• 401 : Unauthorized

• 403 : Forbidden

• 404 : Not Found

• 409 : Conflict

#### **Level 500 (Server Error)**

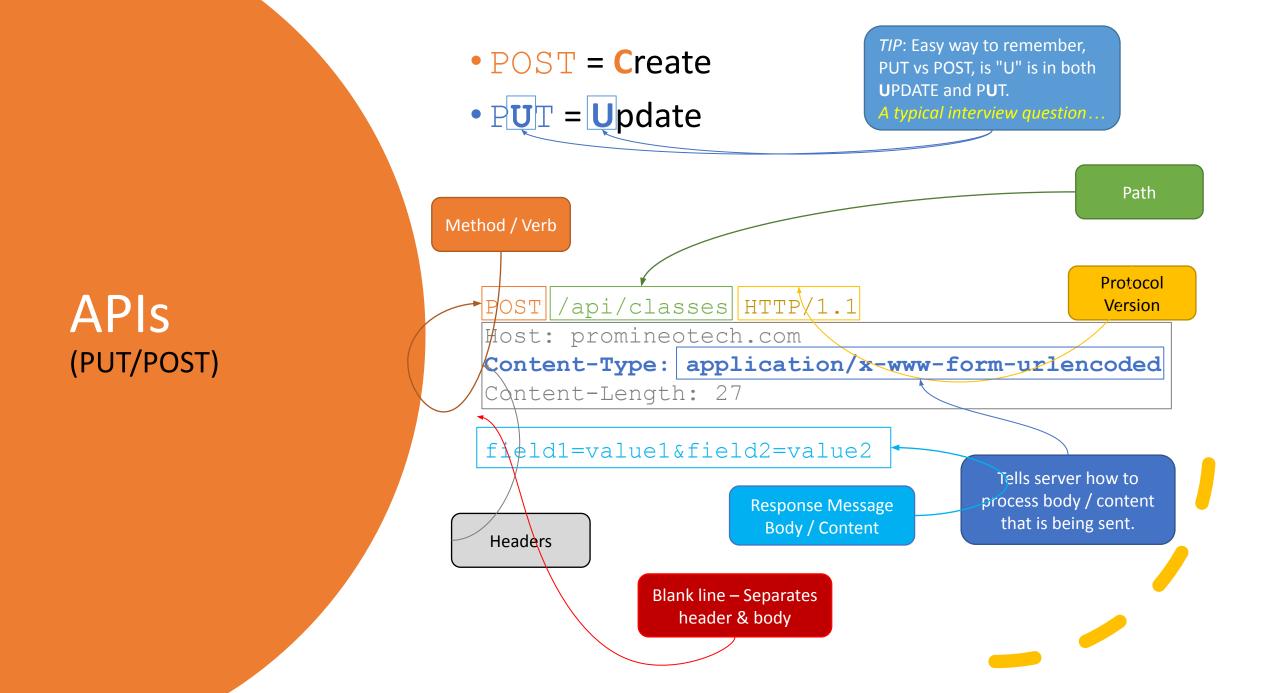
• 500 : Internal Server Error

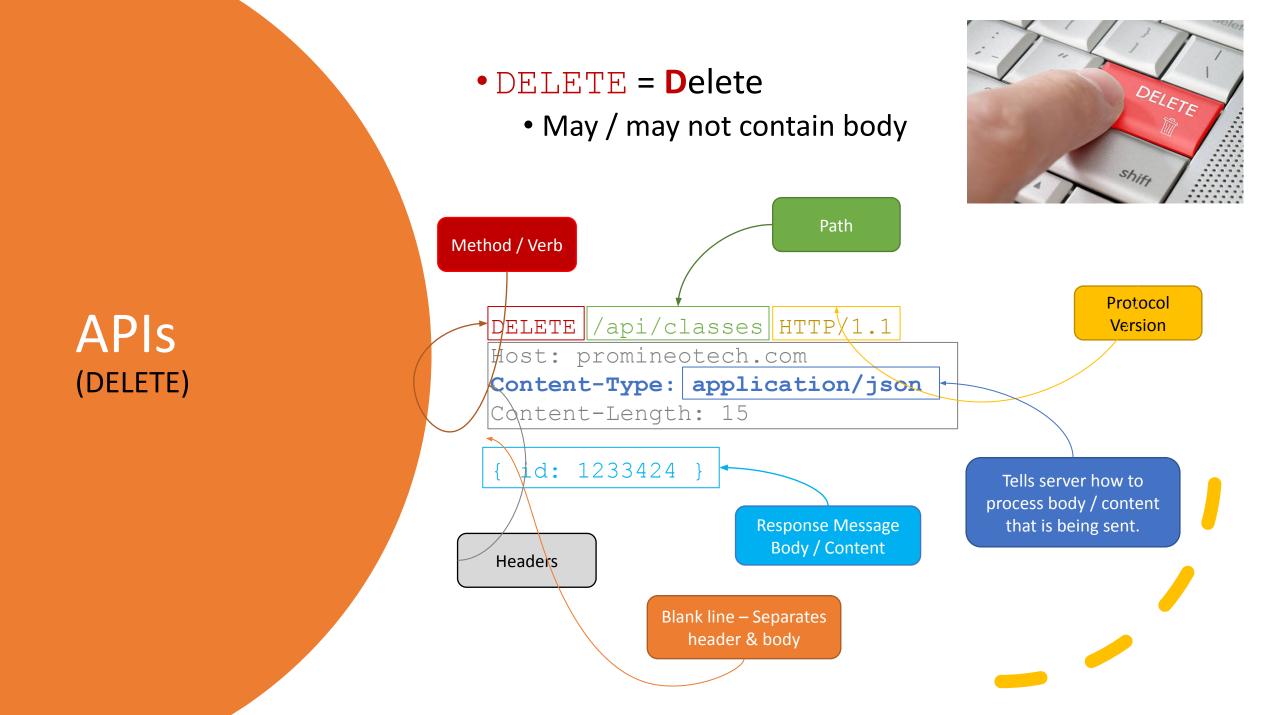
• 501 : Not Implemented

• 502 : Bad Gateway

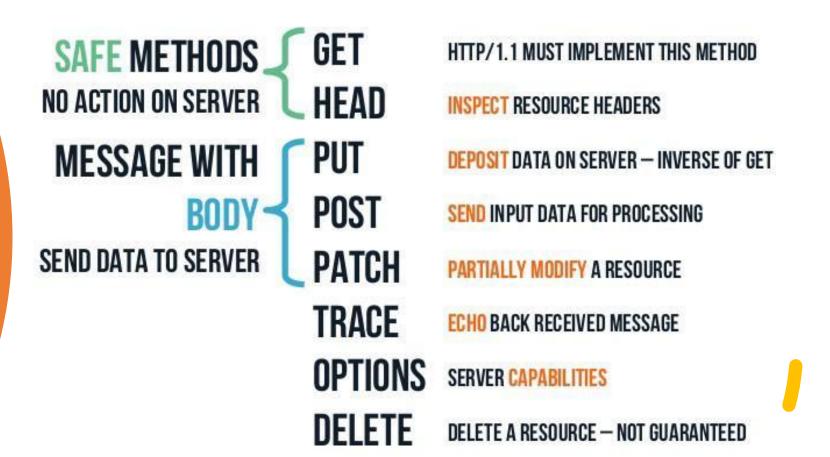
• 503 : Service Unavailable

• 504 : Gateway timeout





APIS (SUMMARY)



## **APIs**

#### (Resources / Optional)

#### Optional API resources:

- https://mockapi.io/
- https://crudcrud.com/
- https://github.com/ripienaar/free-for-dev# apis-data-and-ml
- https://thecatapi.com/
- https://jsonplaceholder.typicode.com/
- https://learning.postman.com/docs/designi ng-and-developing-your-api/mocking-data/ setting-up-mock/



#### **Troubleshooting**

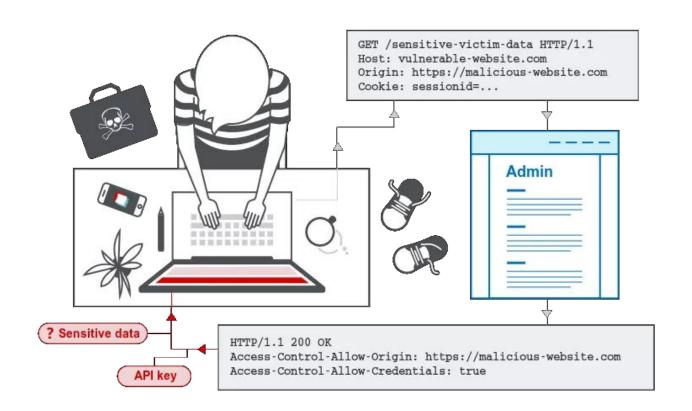
- CORS Policy Error
  - Try running your app on a live server.

```
npm install live-server -g
```

 Navigate to your project directory via command line, run:

live-server

- crudcrud.com
  - On update, put unique id in path/ instead of in body { } of request.



# **DEMO**

Working with APIs