APIs:

CRUD, REST, and Other Buzzwords

Why are we here today?

Who is Thinkful



Update with thinkful verbage & styling

Why Learn This?

- Websites become much more fun and useful.
- APIs allow us to send messages, check the weather, get directions
 - Infinite other uses!



How this works

bit.ly/tf-api-start-made-up-link

What is an API?

- Stands for Application Programming Interface
- Allows our software to communicate with other components
 - Internal and external



RESTful APIs

- Stands for REpresentational State Transfer
- Any API that uses HTTP requests to GET, PUT, POST, and DELETE data



CRUD

- Create, Read, Update, Delete
- Relates to databases
 - Create POST
 - o Read GET
 - Update PUT
 - o Delete DELETE

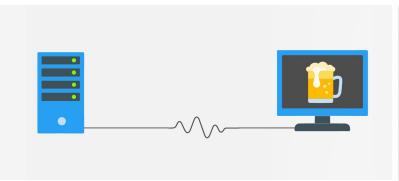




Endpoints

- A unique URL that we can use to access specific data
 - o "An address" for our API
- I want user data
 - o query '/users:userld'





/users/self	Get information about the owner of the access token.
/users/ user-id	Get information about a user.
/users/self/media/recent	· · · Get the most recent media of the user.
/users/ user-id /media/recent	· · · Get the most recent media of a user.
/users/self/media/liked	· · · Get the recent media liked by the user.
/users/search	· · · Search for a user by name.
	/users/self/media/recent /users/ user-id /media/recent /users/self/media/liked

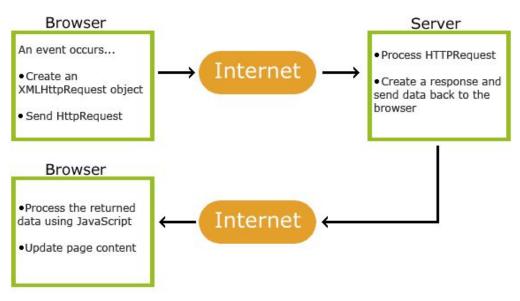
JSON

- JavaScript Object Notation
 - Very similar to objects in JavaScript
- A popular way of sending data

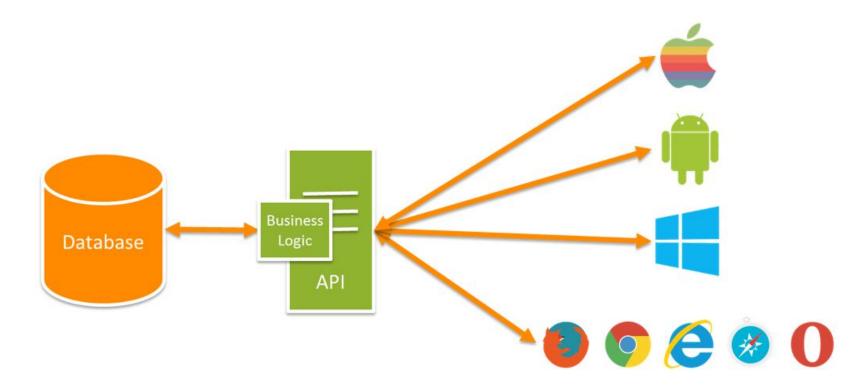
```
"orders": [
        "orderno": "748745375",
        "date": "June 30, 2088 1:54:23 AM",
        "trackingno": "TN0039291",
        "custid": "11045",
        "customer": [
                "custid": "11045",
                "fname": "Sue",
                "lname": "Hatfield",
                "address": "1409 Silver Street",
                "city": "Ashland",
                "state": "NE",
                "zip": "68003"
```

AJAX

- Asynchronous JavaScript And XML
 - A way of creating asynchronous web applications



How does it all connect?



What We're Building

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WARNING: These quotes are awesome

Notice that the stiffest tree is most easily cracked, while the bamboo or willow survives by bending with the wind.

- Bruce Lee

66 Get Quote

Share Quote

Summary

- API
- Restful
- CRUD
- Endpoints
- JSON
- AJAX

Assignments for tonight

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```
→ Run

                                           Save
                                                      T Fork
   A PEN BY Chris Bridges
      * JS
         let exampleJSON = {
           "first": 1,
           "second": ['value1', 'value2'],
           "third": { a: 1, b: 2 },
           "fourth": false
         let stringified = JSON.stringify(exampleJSON)
         console.log(stringified)
         let parsed = JSON.parse(stringified)
          consola log(narsad)
```



jquery changing background color



Q

jquery changing css
jquery changing text
jquery changing background color
jquery changing class









Ways to learn to code

ш3schools.com













Two Week Free Trial

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- Free trial of Full Stack Flex online program
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- Personal Program Manager
- Unlimited Q&A Sessions
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