

MODULE FOUR - CLIENT-SIDE APIS

THIRD PARTY APIS



TODAY'S SCHEDULE

- 1. Cool Things
- 2. Week 10 Recap
- 3. Third Party APIs
- 4. Third Party API Example
- 5. Recap, Weekly Tasks, Next Week

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juments), r=n.leng
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e><a href='/a'>a
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.bute("style")),h
```

LEARNING OBJECTIVES

- describe the most common functions and methods used with current client-side scripting techniques
- 2. gain familiarity with APIs, what they can do, and how you can use them in your code.



COOL THINGS

RESOURCES, LINKS TUTORIALS AND OTHER COOL THINGS...

- https://stylestage.dev/
- https://css-tricks.com/a-complete-guide-to-dark-mode-on-the-web/
- https://dev.to/simonholdorf/9-projects-you-can-do-to-become-a-frontend-master-in-2020-n2h
- https://medium.com/better-programming/32-tips-for-every-web-developer-in-2020-782fd6554f0d
- https://asoftmurmur.com/



CLIENT-SIDE APIS REVIEW

ALL ABOUT APIS

- help developers create complex functionality more easily
- abstract more complex code & provide easier code
- not part of the JavaScript language, built on top of the core Javascript language

THINK OF APIS AS

EXTRA SUPER POWERS

TO SUPERCHARGE

YOUR JAVASCRIPT



APIS

Browser APIS

(i.e. Web Audio API)

Third Party APIs

(i.e. Twitter API)

- built into your web browser
- can grab data from the browser & surrounding computer environment

- not built into your web browser
- need to retrieve their information from somewhere on the web

HOW DO APIS WORK?

- based on objects
- have recognizable entry points
- use events to handle changes in state

additional securitymechanisms whereappropriate



THIRD PARTY APIS

THIRD PARTY APIS

- third party APIs allow you to access their functionality via JavaScript
- they are located on third party servers
- they usually require API keys

HTTPS://WWW.PROGRAMMABLEWEB.COM/ APIS/DIRECTORY

Using Third Party APIs

1. Find the documentation

2. Get a developer key

3. Connect the API to your app

4. Request data from the API

5. Display the info!



THRD PARTY API EXAMPLE





API RECAP

KEY POINTS

- APIs let developers easily add complex functionality
- APIs are not part of Javascript, they are built on top of the core JavaScript language
- APIs usually fall into two categories: Browser APIs and Third Party APIs

KEY POINTS

- APIs are based on objects
- APIs have recognizable entry points
- ▶ APIs use events to handle changes in state
- APIs may have additional security measures

LET'S TALK MODULE 4 ASSIGNMENT

NEXT WEEK SEMESTER REVIEW & FINAL EXAM PREP

SOURCES

- https://developer.mozilla.org/en-US/docs/ Learn/JavaScript/Client-side_web_APIs
- https://developer.mozilla.org/en-US/docs/ Learn/JavaScript/Client-side_web_APIs/ Introduction

SOURCES

- https://developer.mozilla.org/en-US/docs/Learn/ JavaScript/Client-side_web_APIs
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- https://developer.mozilla.org/en-US/docs/Learn/ JavaScript/Client-side_web_APIs/Third_party_APIs