Digital Champions
(D-champs?)

08.17.2021
Session 2: Community technology, websites, and a little code

Quick overview

Last time, we...

- Got to know each other (a little bit, we'll do more)
- Talked about how important computing technology is to a LOT of different areas
  - Farming
  - Music
  - Games
  - Fashion
  - And literally everything else, basically
- Set up our sweet new laptops 🔥

Today, we'll...

- Get to know each other a little better
- Talk a little more about technology in YOUR communities
- Finish setting up your laptops so you can do awesome D-Champ stuff 💪🏻
- Make a website!

Let's get creative

Draw/write something about yourself which would help others in the group to identify you

Tech in your community

Let's talk a little!

DISCUSSION
What is one issue you care about
the most?

DISCUSSION

What role do you think technology can play in solving issues you care about?

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DISCUSSION
Name five technologies you use regularly

DISCUSSION

Which social media platforms do you use regularly?

About start-of-session questions

- At the beginning of each session -> a few questions
- (Usually 2-5 questions)
- Helps us understand what you already know/what you think about topics relevant to today's session
- Let's do today's now!

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Let's fire up those laptops 💻

WIFI

NETWORK
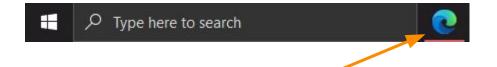ciscowap

PASSWORD
mccisthebest

Laptops

- As long as you're part of the program, you're welcome to use your laptop
- If you successfully complete the program, your laptop is yours to keep!
- If you leave the program early, you'll need to return it to us

Getting Google Chrome

Getting Google Chrome*

- A browser is a powerful thing that lets you do stuff on the Internet
- You may have already heard of a few (Chrome, Firefox, etc.)
- A Digital Champion needs an **awesome** browser
- Sadly, Microsoft Edge is not (but it's getting there)
- Let's install a better one together!

Do you already know how to install software? Did you already install Chrome?
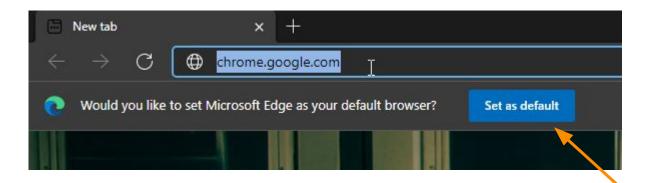
If so, awesome! Be on the lookout for people around you who are less experienced and help them out - then we can get onto the really fun stuff.

If you would rather use another browser (like Firefox, or even the new Microsoft Edge, that's okay - we won't require you to use Chrome).
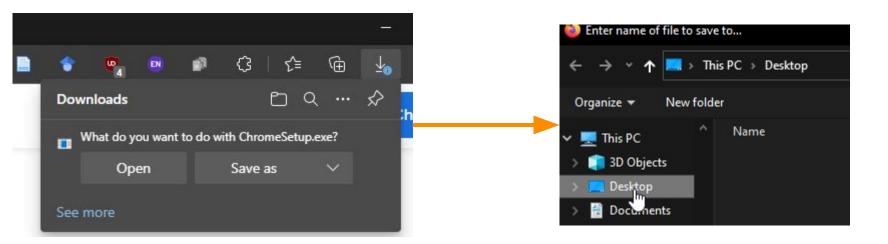
Getting Google Chrome

HERE WE GO!

See this icon? Let's click it.

Getting Google Chrome

(no thanks lol 🤣)

Enter chrome.google.com into the address bar

Getting Google Chrome

I bet you can guess this next part

Getting Google Chrome

Save the file to your desktop, the run it!

(Let us know if you have trouble, or ask your neighbors)
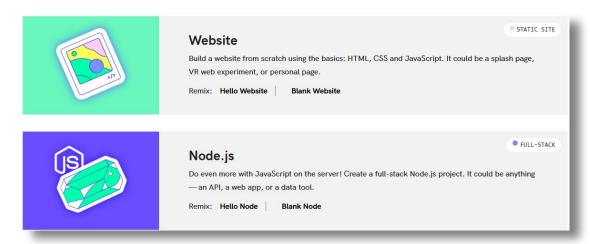
Getting Google Chrome

You should see this icon on your Desktop now. Give it a good double-click.
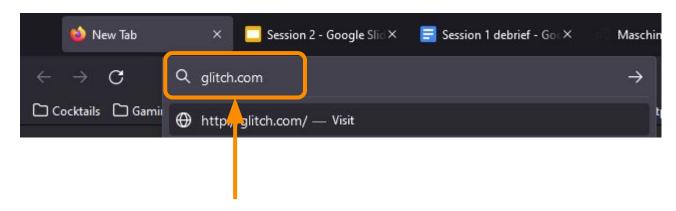
—

Glitch

(surprisingly a GOOD thing in this case)
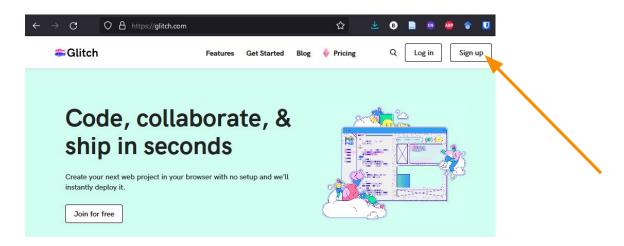
What's Glitch?

- Make websites with a website (Xzibit would approve)
- Discover new technologies
- Learn and create with a team (like ours!)

Off we go

You know what to do!

Signing up for Glitch

Signing up for Glitch

Create an Account

Almost there! How do you want to sign up?

Facebook [f]

GitHub ○

Google G

Email Magic Link 💌

By signing up for Glitch, you agree to our Terms of Services and Privacy Statement

Take your pick here, but **Email Magic Link** is a fine choice if you don't have Facebook/Google accounts.

(If you need help logging into your email, raise that hand ✋)

—

Our first website!

bit.ly/digital-champions-go

You should end up here

OK BEN
STOP SHOWING SLIDES
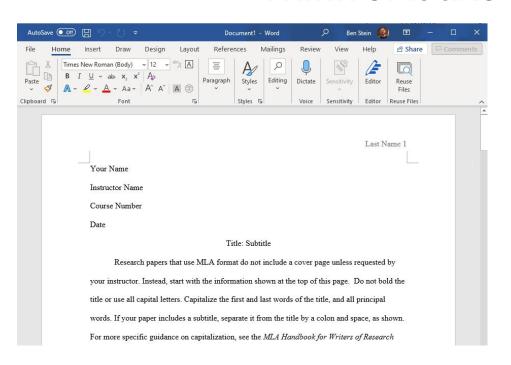OK?
OK!

Stuff to do together

- Write some text
- Change text of the button
- Change the color of the titles
- See your handiwork in the real world
- Bonus: changing the image on the page

But what did we *actually* do?
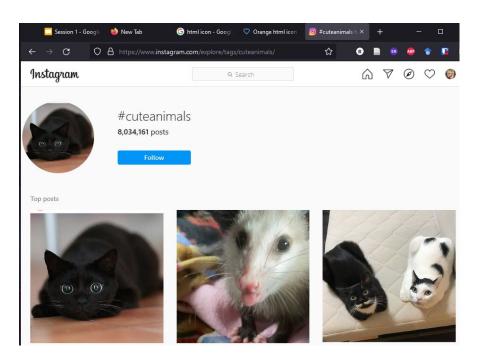
What *actually* is a website?

- We all use them every day, but how are they made?
- (**Hint:** not with magic)
- **Secret**
    - Websites are -- at their core -- documents
    - Like, not even very complex documents
    - 😱???
- Let me explain a little

Think of it like this

Word (the program) + A Word *document*

Think of it like this

=

Chrome (or any browser)

+

A special kind of *Document* (HTML)

… but where's the document?

Word document

???

… HTML document?

- Great question!
- We'll talk about where it comes from next time

One more thing

Our program's website

- https://digital-champions.glitch.me/ (or bit.ly/digital-champs)
- For now
  - These slides
  - Links to materials we use in class
  - Contact information for your instructors
  - More things to read if you're curious
- In the future
  - A place we can collaborate

Extra time stuff

In case of extra website time

- There are 3 basic building blocks of a modern webpage
  - **HTML**: lets us decide WHAT is on the page 📄
  - **"Style" sheets:** Lets us decide how stuff on the page LOOKS 👀
  - **Scripts:** Lets us decide how the user can INTERACT with the page 👆🏻

- Today we changed the **HTML** of the document to add new text, change existing text, etc.
- Soon we'll learn more about that AND learn about styling and scripting
- It's gonna be fun!

Talking more about servers and clients

- Servers are like the brain of an application, or whatever
- Clients talk to the server to bring the application to the world!
- Lots of clients (of different kinds, even), but only "one" server