Intro to Git

What is get?

Removes the need to copy files to and from the class share.
Like using a camera to take a pic of the files at a certain time.
Check points for files.
Built for code colaboration.
Allows different people across the world to to work on all parts of one project at the same time.
A tool that protects you from others and others from you.

The local workflow

Useful if you don’t have interent access
Creates a repository in the folder with the command
If you delete the folder you will lose all your backups
Repository is known as “repo” basically a wearhouse

Three states

Modified new or not yet saved files
Staged the current version of a file
Committed files that are safely stored by git

Git add

Adds your file

Git commit -m

Description sends it to storage
Like physically moving a box to a garage
Moves a copy and not the physical file

Working with Git

Set up remote repository
Learn push our local files to the remote server
Branches and how to use them
How to merge different branches
What a conflict merge is and how to resolve
Remote respository a place to back up, share, acessable anywhere with wifi

Git push

tells git to upload all commits since last push

Working with branches

Smaller bits
Represent different versions
Allows us to work on code fixes and features without breaking what we have
Fixes and new features should always start on a branch

Master branch

Trunk of the tree

Only for clean code thats ready for developement aka web

Git branch <name>

Tells git to maintain a new copy of our code

Its own will list the branches availble and display

Check out command

Tells git to switch our working folder to the branch name specified

How do we bring changes together

- Merge command
- Check out master branch
- Look at flex.css in brackets
- Merge mobile to master
  - Git merge mobile
- Check out your flex.css files

Git merge <branch>

Combines the file changes in the branch we name into our current working branch

What is a merge conflict

When a file has changed in both branches. Like when you try to combine but git doesn't understand

In my opinion today's lesson can help us collaborate faster and better. It saves you the hassle of making a copy going to gmail and sending it to multiple people. With this you can just go and access the files at anytime. I feel like it will be an easier way to work on the same project in a group.

On a scale of 1 to 4 i'd have to say i'm a 3. I'm kind of getting the hang of this it's just the starting part that really got to me.

No, I don't have any questions at the moment.

The best part of my Thanksgiving break was being able to sleep a lot and not stress that much about school.