WELCOME TO INFO6250

Web Development Tools and Methods

- The Hows and Whys of the Web
- Building a Multiple Page Web Application
- NodeJS backend
- HTML
- **CSS**
- JS frontend
- Building REST-based services (NodeJS backend)
- Building a Single Page Application (using React)
- Basic Best Practices for the Web

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WHY THE INSTRUCTOR IS CREDIBLE

Brett Ritter < b.ritter@neu.edu>

- first job as WebDev in 1995
- webdev ever since
- multiple languages, frameworks, platforms
- both frontend and backend
- full-time job is in webdev, teaching is a side-gig
 - tell me where to improve my teaching

http://127.0.0.1:9000/?print-pdf#/hello

NOT PERFECT

I have a truly terrible memory.

Terrible

reminding me, until something is done or I explicitly You have my permission to remind me, and keep say "stop".

I am partially tone-deaf.

If I ask you to repeat yourself, my poor hearing is why.

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FUNNY

I tell jokes.

Fortunately, they are all hilarious and you will laugh.

Out loud.

Try it now.

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GET BETTER

We will keep practicing on that

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EXPECTATIONS

Your Job is to Learn

My Job is to Teach

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EXPECTATIONS - REQUIREMENTS

Your Job is to Learn

- Read materials
- Follow Instructions

My Job is to Teach

Make material clear

EXPECTATIONS - REAL REQUIREMENTS

Your Job is to Learn

- Read materials
- For realsies, then ask questions
- Follow Instructions
- For realsies, then ask questions

My Job is to Teach

- Make material clear
- I have to know when it is not clear
- You need to ask questions

SLACK

We communicate via Slack

- http://rebrand.ly/seainfo6250-slack
- You can email me
- but it will be slower
- and it is terrible to talk about code
- Use it web, desktop, or phone
- desktop/phone recommended for notifications

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USING SLACK

Answer the poll

10/24

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MENTIONING CODE IN SLACK

Send a message to #introductions that says:

(notice the *backtick* characters)

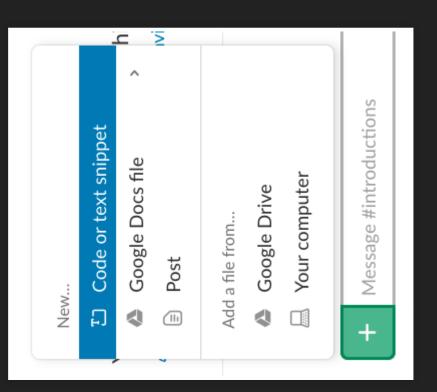
this has *bold* but this does

Prez

CODE BLOCKS IN SLACK

triple backticks `` before/after your message

Or use "post Code or text snippet"



CLASS GITHUB

We use git and github.com

Each of you get a personal repository

https://rebrand.ly/seainfo6250-github

You must have/get a github.com account

GIT VS GITHUB

git is the source control/version control system.

- tracks files
- changes to files
- many devs can have repos
- can pass files/changes between many repos

github.com provides a central place for repos. It has competitors (example: gitlab.com)

github uses git, git does not require github or a github competitor, though we will use github.

GITHUB FLOW

git is decentralized.

github provides an option for pseudo-centralization

- local master branch --(checkout)-->
- local feature branch(edit/add/commit) --(push)-->
- github feature branch --(PR/merge)-->
- github master branch --(pull)-->
- update local master from github master

Other flows exist; this one is the one we will use

DO AND DO NOT

My job is to teach you

- DO ask questions
- DO not worry about bothering me
- I will tell you BEFORE that happens
- DO NOT worry about looking uninformed
- Everyone has different experiences and methods
- DO NOT expect to catch up by working harder
- Good attitude, but Time, not you, is the problem
- Easier to fix being behind earlier rather than later

A UNIQUE WARNING ABOUT THE WEB

You WILL be expected to learn a lot of detail online

BUT a **lot** of info about web tech is outdated

Don't use any sources older than 3 years ago

Really. 3 years max. Or extra work and wrong work.

COMMON QUESTIONS

- Do I need to know HTML/CSS?
- Do I need to know programming?
- Do I need to know JS?
- Can I use another language?
- Can I use this outside library?
- Can I use this other framework?
- Can I use this other IDE?
- Can I record the class for my own use?
- Can the instructor record the class for me?
- Can the instructor send class materials out?

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CLASS PREREQUISITES

- Do I need to know HTML/CSS?
- You are expected to know the basics
- The 6150 class is great and recommended, but not required
- You can learn alongside class
- https://developer.mozilla.org/en-US/docs/Learn
- Do I need to know programming?
- Basics (variables, conditionals, looping, functions) are expected
- Be ready to learn how things are different

Do I need to know JS (Javascript)?

No expectation

USING OTHER TOOLS

- Can I use another language?
- No, we use only JS for my sanity
- Can I use this outside library? (example: Bootstrap)
- No, we need to exercise the fundamentals
- Exceptions will be explicitly given per assignment
- Can I use this other framework? (example:
- Angular/Vue)
- No, we use React for my sanity and for principles
- Can I use this other IDE?
- As long as you don't expect me to know that IDE

RECORDING THE CLASS

- Can I record the class for my own use?
- I don't know the NEU policy, but I have no personal objections
- Can the instructor record the class for me?
- No, distributing the video files has proven hard

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CLASS MATERIALS

Can the instructor send class materials out?

Slides and code samples will be added to your repositories after class.

- git checkout master
- git pull origin master

If you feel something is missing, ask for it via Slack.

BUT - anything that comes in the moment may not be saved to send out. Missing class is risky.

SUMMARY - YOU

- will remind me if you need something
- can and will use and check our Slack
- have your own github repo
- have a local copy of the repo
- have installed and done config changes
- know how to get and submit work
- have submitted a PR that provides your info
- will not use old online information
- will read material
- will ask questions