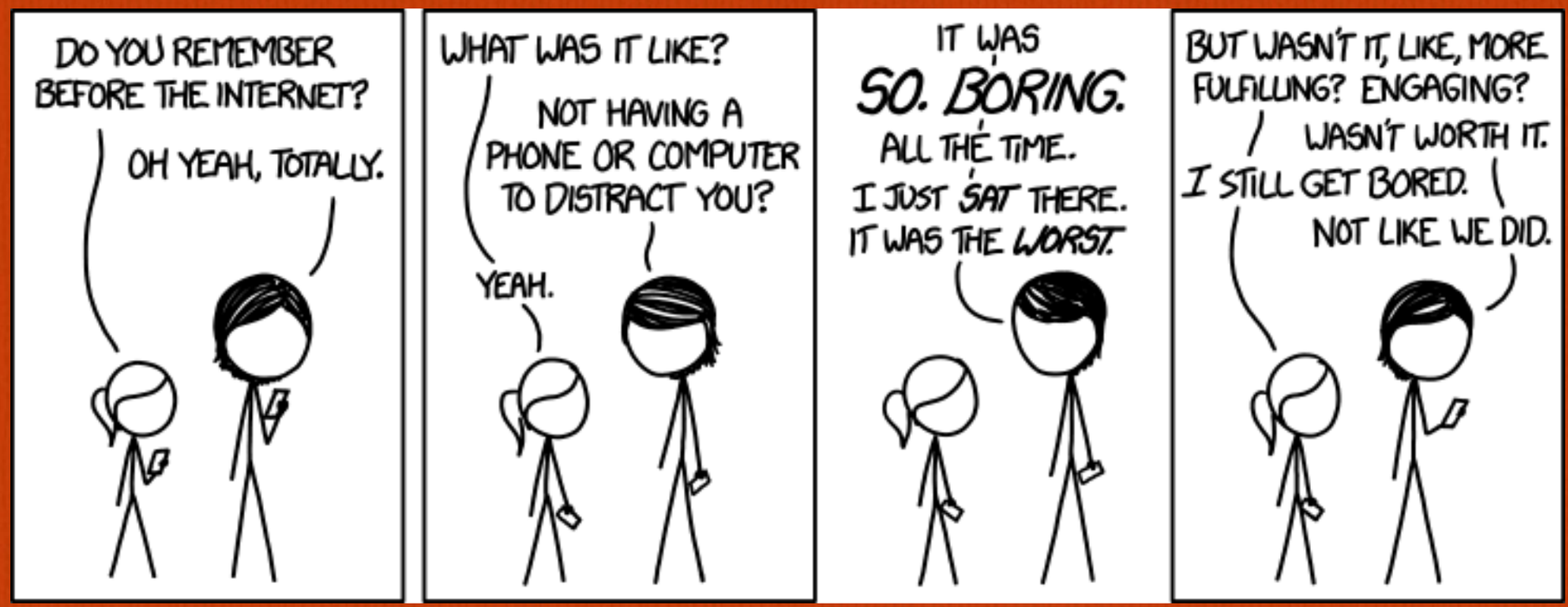


Hello World!

Back End Web Development

Today's objectives

- Set expectations for the course
- Learn about who we are
- Get our hands dirty with the command line and Git

GENERAL ASSEMBLY IS A GLOBAL COMMUNITY OF INDIVIDUALS EMPOWERED TO PURSUE THE WORK WE LOVE.

Forever and ever

It’s not just about altruism, your network is your most valuable asset

Alumni have started companies together and recruited other alumni to join their teams

You’re part of the alumni community forever

We can’t wait to have you back on campus

ABOUT YOUR PRODUCER!

Ali Keane

ali.keane@ga.co

Education Programs Producer

STUDENT

INSTRUCTOR

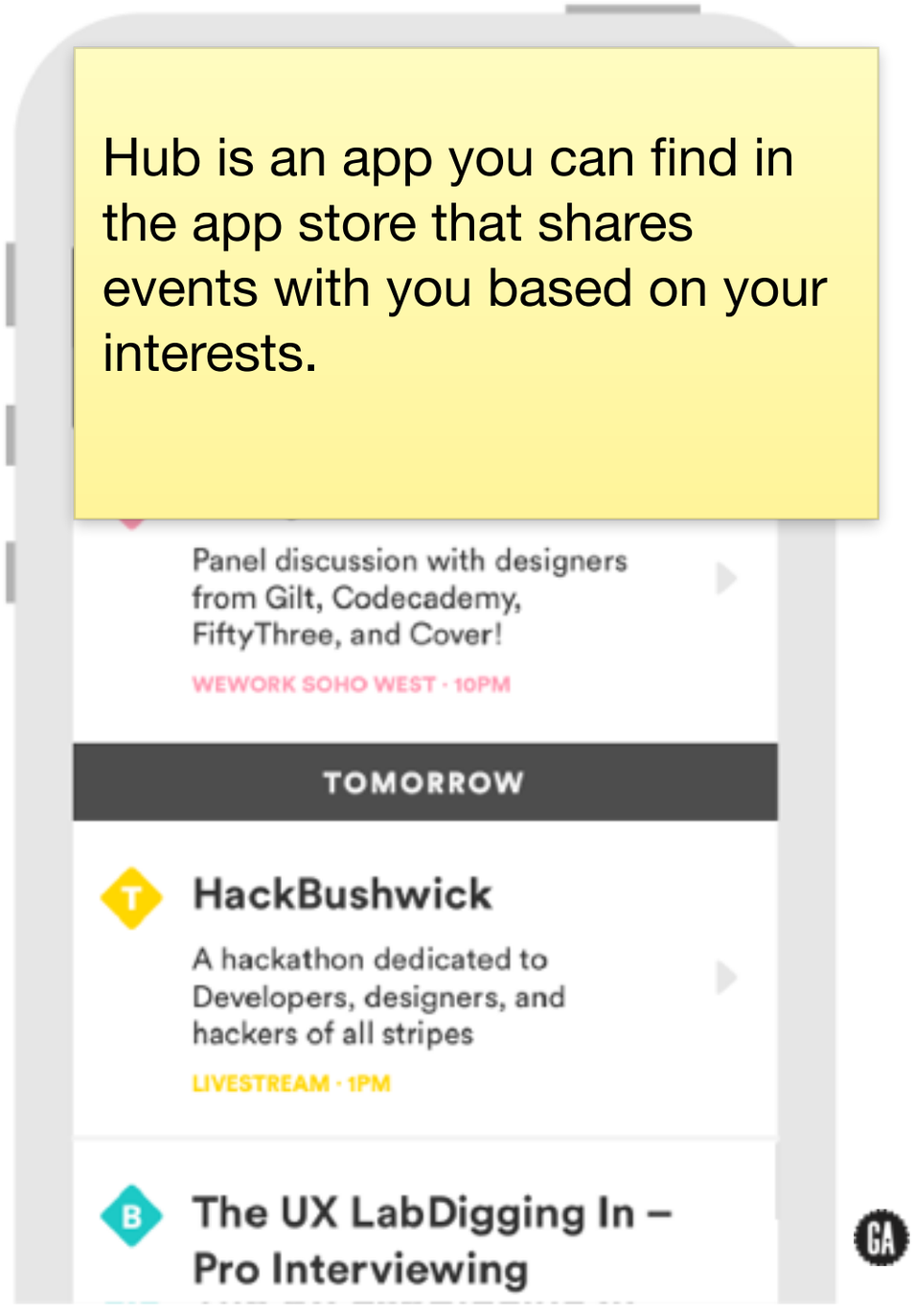
CURRICULUM

Hub

design — handpicked each week by our community curators.

Join at [hub.ga.co/ny](hub.ga.co/ny)

Take a sneak peek of the mobile app at bit.ly/hubiosbeta

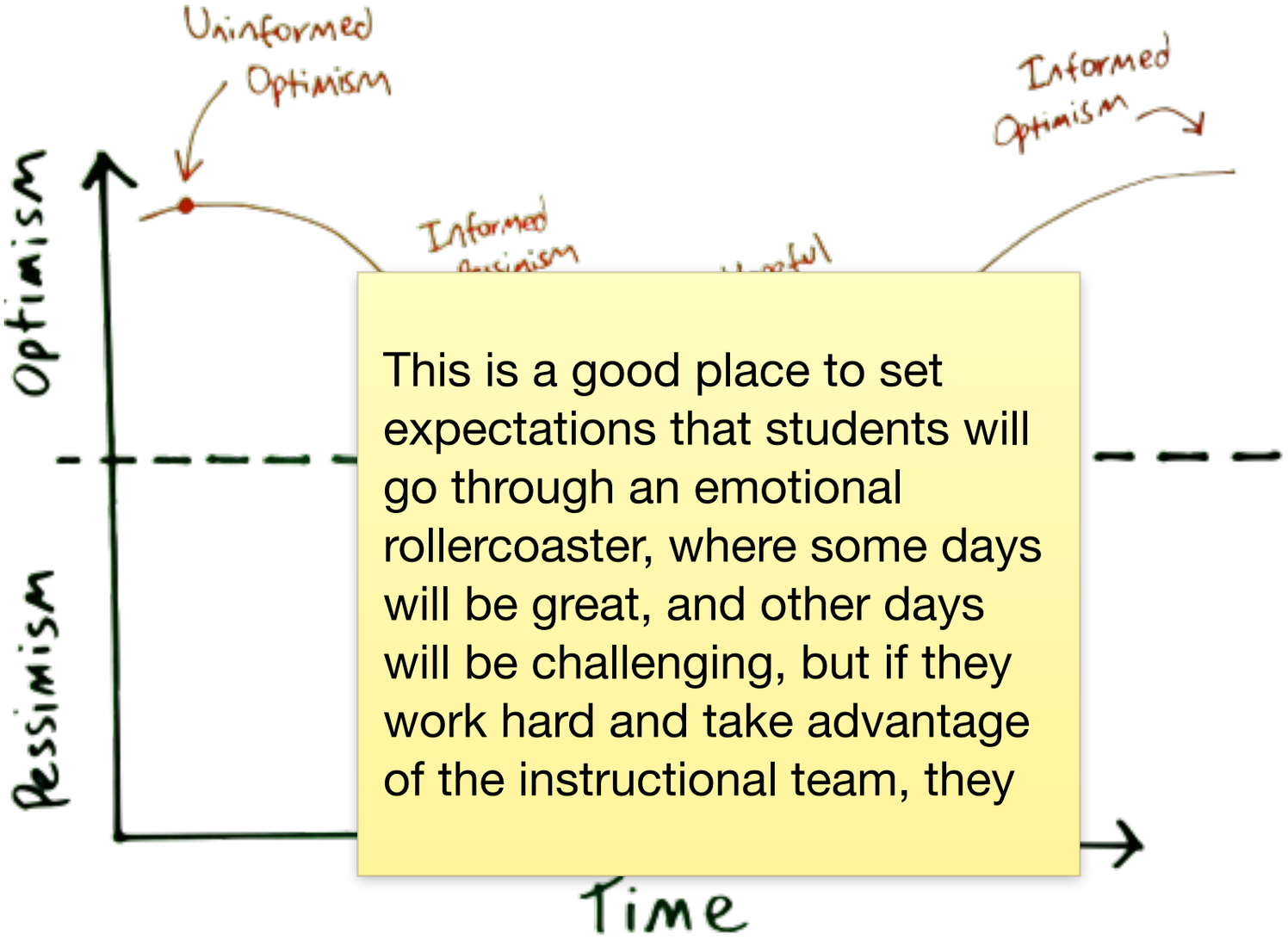


Our 10-week goals

You will get a high level understanding of:

- The Linux/Unix/Mac OSX command line
- Version control with Git
- The Ruby programming language
- How the web works
- The Ruby on Rails framework
- Databases
- Deploying things to the web

EMOTIONAL CYCLE OF CHANGE



This is a good place to set expectations that students will go through an emotional rollercoaster, where some days will be great, and other days will be challenging, but if they work hard and take advantage of the instructional team, they

How This will work

- Learning by doing — in and out of the classroom
    - Codealongs
    - Labs
    - Homework
    - Project
    - Collaboration

What you get

- Lectures, slides will be made available
- I will address issues that I see in homework ASAP.
- Exit tickets — we take this really really seriously
- I will answer questions as soon as I can, I promise!
- Office hours
- One on ones when absolutely necessary

Student Responsibility

As a self directed program, we view students as a crucial part of the skill acquisition process.

GA

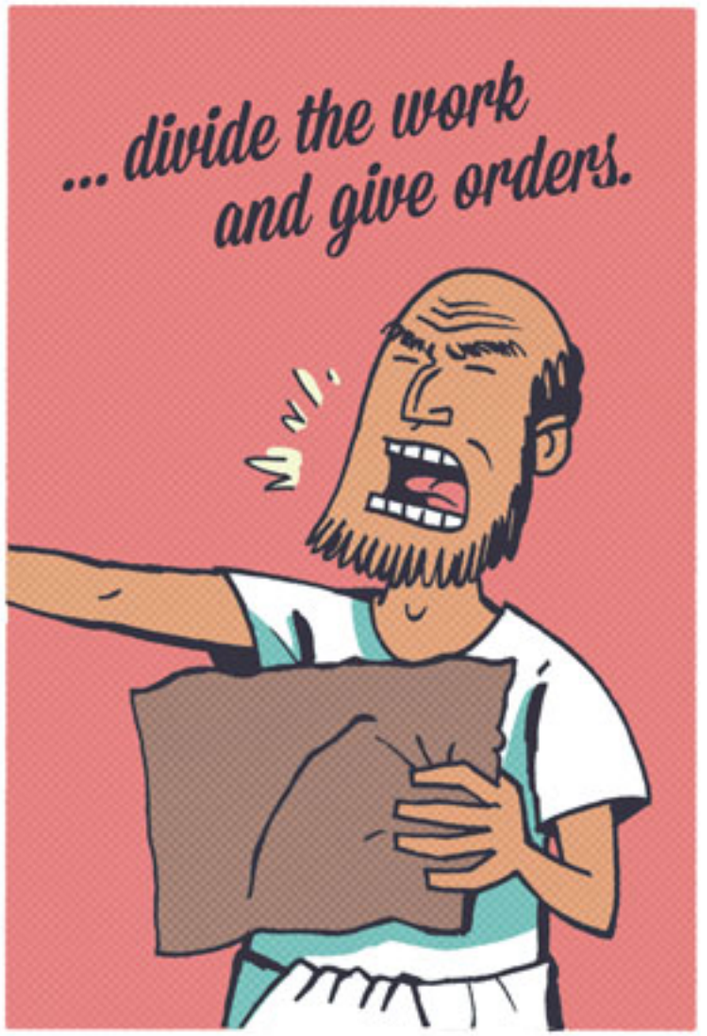
50%

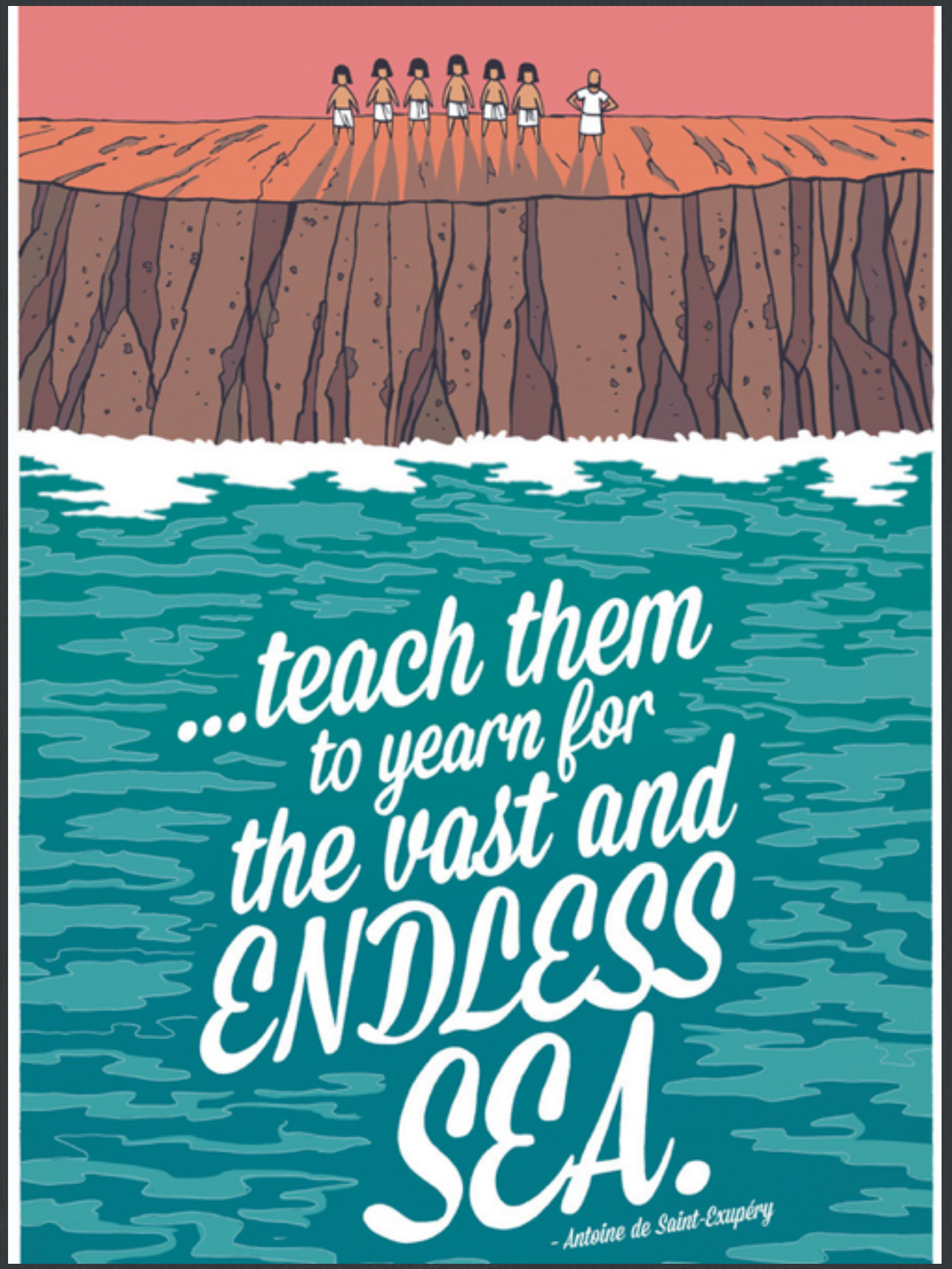
YOU

Again, expectation setting is key: emphasis that they will get out as much as they put in, and that you all are there to support them (I use the

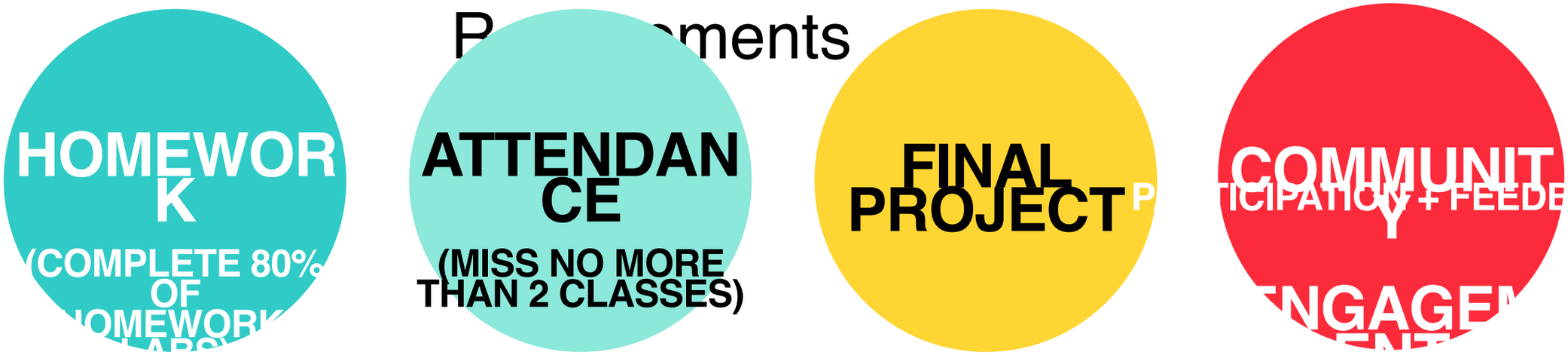
If you want
to build a ship...

... don't drum up the
men to gather wood ...


... divide the work
and give orders.


...teach them
to yearn for
the vast and
ENDLESS
SEA.
- Antoine de Saint-Exupéry

GA Graduation Requirements

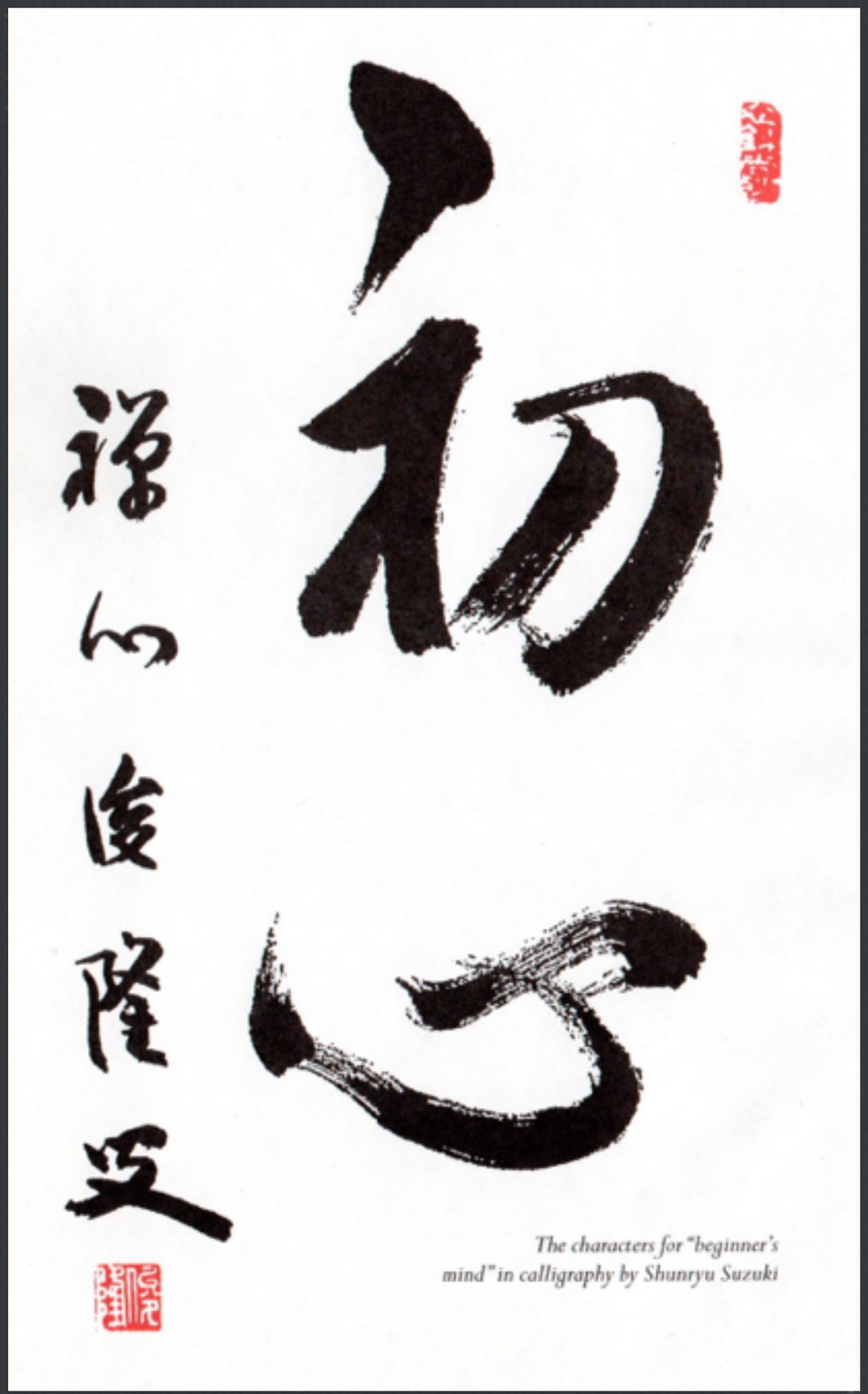


You can just read these to the class; they are the requirements to get a letter of completion

What we expect of you

- Show up. We move fast and take attendance!
- Create a final project: at least a simple web app with persistent storage, deployed to the open web.
- Complete at least 80% of all homework no more than two absences.
- Be patient. Wax on, wax off.
- Don’t panic! Read your errors, google them.
- Be nice. Be helpful if you can.

Remember where you came from



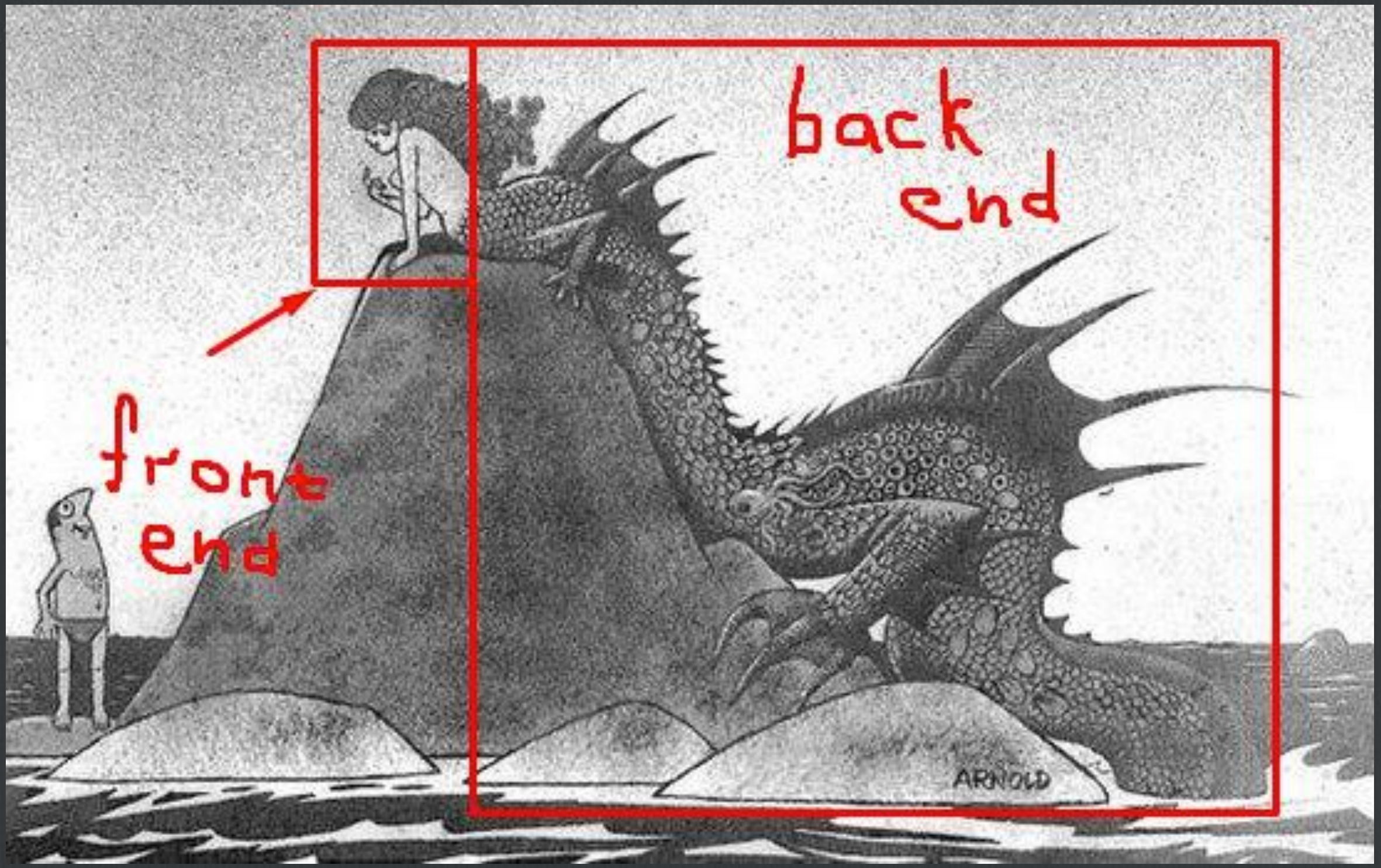
The characters for "beginner's mind" in calligraphy by Shunryu Suzuki

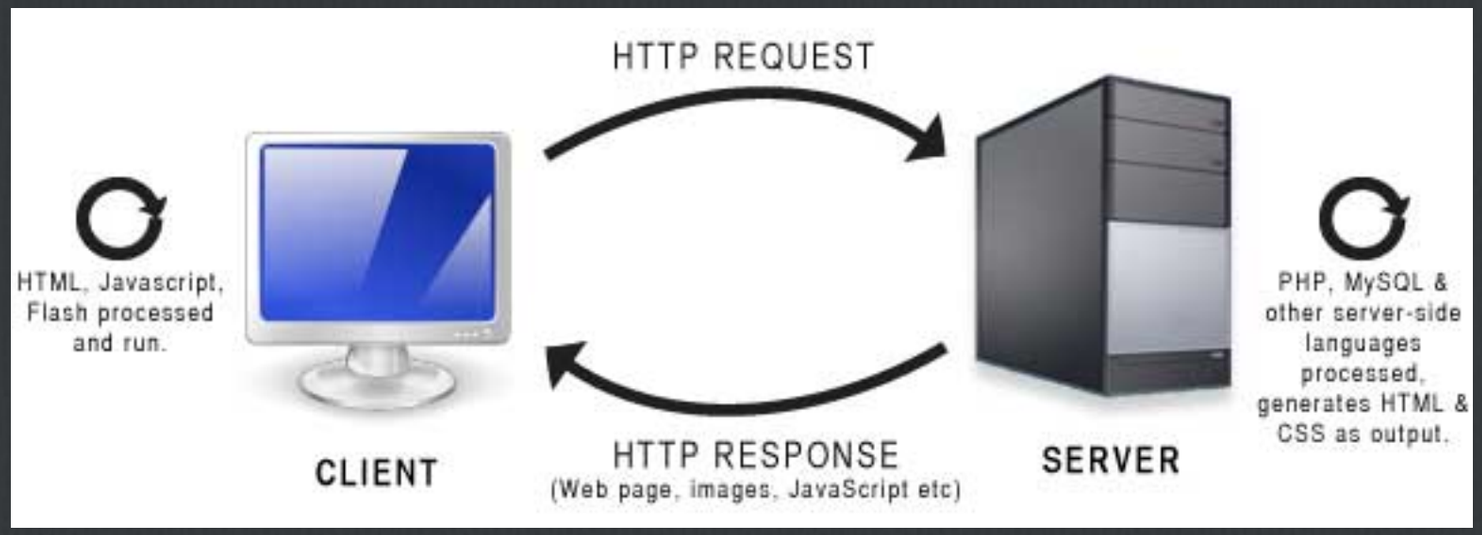
In the beginner's mind there are many possibilities, in the expert's mind there are few.

-Suzuki Shunryu

I promise that's the last inspirational quote you will hear from me today

What is back-end web development?

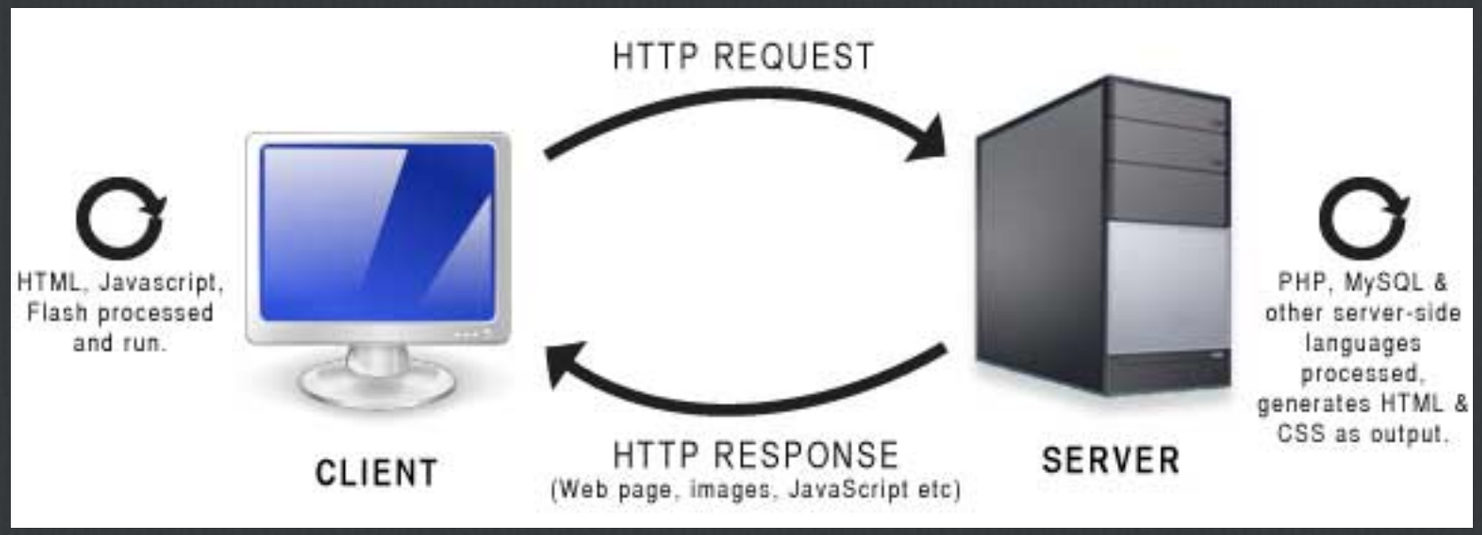

back end
front end
ARNOLD



Front end

Back end

- The back end of a web application is the part that happens on the server.
- Users interact with the front end, and the back end code decides what to do with it.
- Almost invariably, this involves interacting with a database for persistent storage.
- The *client* is whatever consumes the data sent from the back end. This might be a browser or a mobile app.
- We will be focused on just getting the data to a browser, and we don't care about how it looks, really.



Front end

Back end

We will only learn the bare minimum of this

This is our focus for the class

A bit about us!

Hi, I'm Vincent

- From Jersey
- Made my first website when I was in 7th grade at the library computer, titled 'Get outta my site!'
- Majored in English at Rutgers
- Tutored freshmen in Writing, became a 'professor' at a terrible ripoff school in Queens soon after graduation.
- Moved to Yokohama, Japan and taught English in public Junior High schools, did that for 3.5 years.

Hi, I'm Vincent

- While I was at it, I taught myself Japanese, started doing some translation work
- Thanks to a fortuitous chance meeting in a bar, met a man with whom I helped start a magazine business
- That led me to want to become a better journalist, so I went to CUNY.
- While producing packages for the web, I realized that I enjoyed coding WAY more than reporting, writing, editing, or producing stories

Hi, I'm Vincent

- Started learning Ruby in like 2012
- Took a class kind of like this one at GA
- In early 2014 I decided to take WDI in this very building
- 3 weeks later, started working at 2U, an education technology company
- When not coding, I bike and read a lot and I like taking pictures with old-school technology.

A bit about Eddie!

Your turn

- What's your story? What are you doing now?
- What's your programming background if any?
- What first got you interested in web development?
- What you hope to get achieve in this class?
- What are your goals beyond this class?

Any questions about the class??

Break, but not for non Mac users

or anyone on El Capitan