Find your partner!

Sit next to them if you're both in the room, or open a private Hipchat if one/both of you are remote.

Amy Bath	Nicole MacK
Andrew Caraway	Patrick McCall
Sean Cavanaugh	Seth McOmber
James Cissell	Robert McVicar
Dean Davidson	Christopher Mills
Evelyn Devaraj	Sridevi Neeladharan
Madhuri Devidi	Patsy Neher
Jamie Powers Do	Susan Nguyen
Mariel Dunietz	Laurand Osmeni
Julia French	Reid (Hyo) Park
Egnis Gjekmarkaj	Srikanth Reddappa
Daniel Haugen	Mary Rolwes
Christopher Hess	Wendy Secrist
Chas Holden	Monika Sengul-Jones
Emory Horvath	Lourdes Shuart
Feng Jiang	Emilie Smith
Taylor Kamm	John Stahnke
Monica Marie Katzer	Charles Trillingham
Alison King	Lindsey Wilcox
Glenn Kouhia	Joan Williams
Thomas Landeis	Samuel Wolfe
Morgan Lang	Kylee Zabel
Jeremie Leverich	YingYing Zhuang

HTML5 & CSS3

Week 7

Today’s Agenda

1- Discuss homework & Git questions 20 mins
2- Intro to Project Planning 20 mins
3- In Class Project 75 mins
4- Discuss 3 week project 10 mins
5- Collaborating with Git 20 mins
6- Start Project 25 mins

Homework & Git Discussion

Questions/comments on reading?

Git questions?

Project Planning

Steps

- User Stories
- Site Architecture
- Layout Sketches
- Task Division
- Task Completion
- Testing

User Stories

- What is the purpose of your site?
- Who will your users be?
- What will they want to accomplish?

Site Architecture

- What information will be displayed?
- How will it be organized into modules and pages?
- How will the pages be linked together?

Layout Sketches

- Sketch the arrangement of modules/information on each page.
- Think about arrangement in small, medium, and large contexts.
- Include headers, footers, and nav elements that may be present on every page.

Task Division

- Write up all the tasks you think will need to be done to complete the coding and testing of the site.
- Tasks should be the smallest possible pieces of work, ie: “HTML for homepage header”, not “HTML for the homepage”
- Partners discuss who will complete each task.

Task Completion

- Do the work!
- Keep track of which tasks are done, in progress, and as yet unstarted.

Testing

- Test each piece of functionality as it is completed.
- Use every browser and device you have available to you.
- Be especially aware of new HTML5/CSS3 items that may not have full browser support yet.

Communication:

GoogleHangouts - https://plus.google.com/hangouts

JSFiddle - http://jsfiddle.net/

Sketching:

SketchToy - http://sketchtoy.com

SketchPad - https://sketch.io/sketchpad/

Project Planning:

Trello - http://trello.com

“Client” Project

The Plan

Together, we're going to work through much of the lifecycle of a simple project- a website for a small business.

Any resemblance between this client's cats and any real cats, living or dead, is purely coincidental. I made this all up.

Ellen Charles owns Treat Time, a pet supply store that specializes in high-quality cat supplies.

She’s hired us to build a website for Treat Time.

Treat Time opened in Seattle last year. It offers the largest selection of cat treats and toys in the Northwest- including over 100 different varieties of catnip filled toy mice! They also carry a huge selection of natural, organic, raw, and grain free foods. Treat Time's focus is the health and happiness of cats.

Ellen usually brings at least one of her cats to the store each day, so customers can hang out with cats while they shop. Brutus, in the photo, is a favorite of visitors. He will do a somersault for treats!

Treat Time expects people to visit its site to see the hours and location, view product lists, and check in on their favorite store cats. There will be no e-commerce aspect to the site.

Store customers are united by their love of cats, and willingness to spend a bit more to get products that are better for their cats. They are often well-educated and have a higher than average income.

User Stories

- What is the purpose of the site?
- Who will the users be?
- What will they want to accomplish?

Information the client has provided:

- Blurb about the history & mission of the store
- Photos & bios of store cats
- Photos & descriptions of several foods, toys, and bedding items that the store carries that are difficult to find elsewhere
- Address, phone, email of the store
- Information about benefits of different diets (eg: organic, raw, grain-free) on cats' health

Site Architecture

- What information will be displayed?
- How will it be organized into modules and pages?
- How will the pages be linked together?

Remember that this conversation is usually full of compromise between stakeholders & devs.

Group Activity: Modules

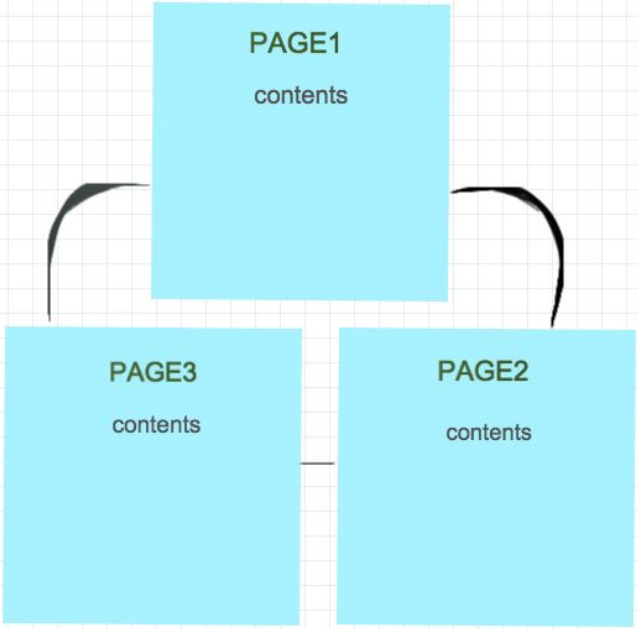
What reusable modules/chunks of information will this site need? Why?

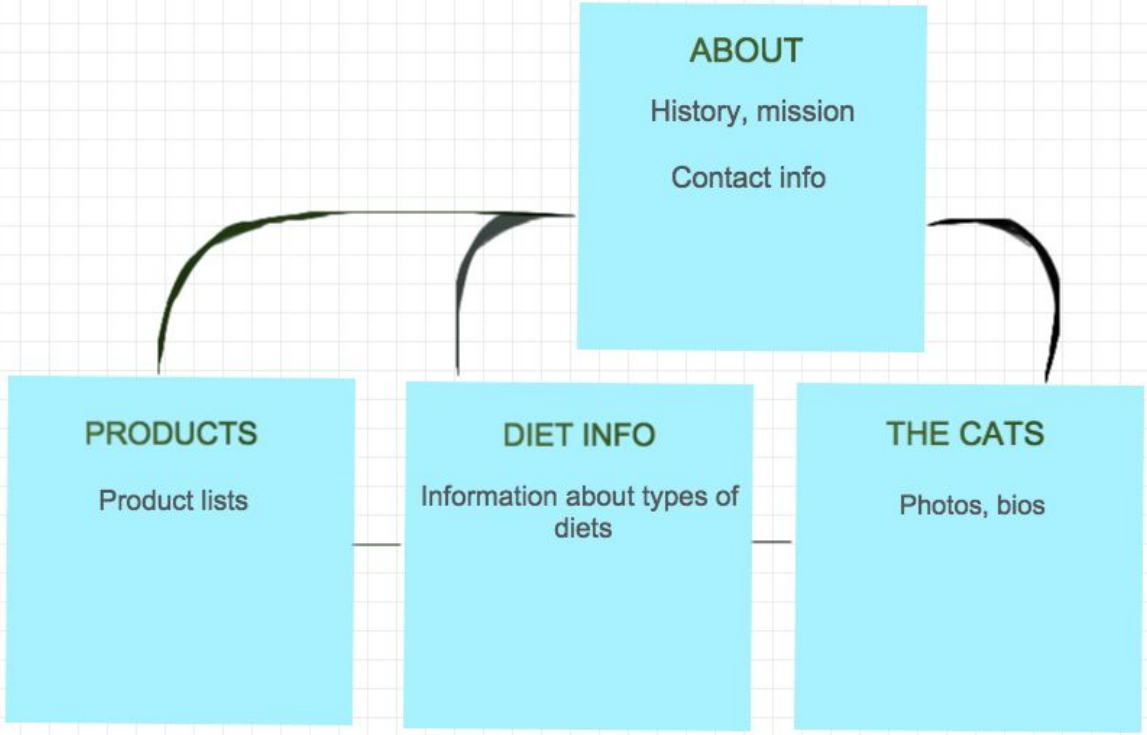
Sketch the modules that will make up this site. Be prepared to share.

Group Activity: Architecture

Discuss with your partner what pages this site needs.

Draw out at least 2 possible architectures, with page names, contents, links. Be prepared to discuss with class.

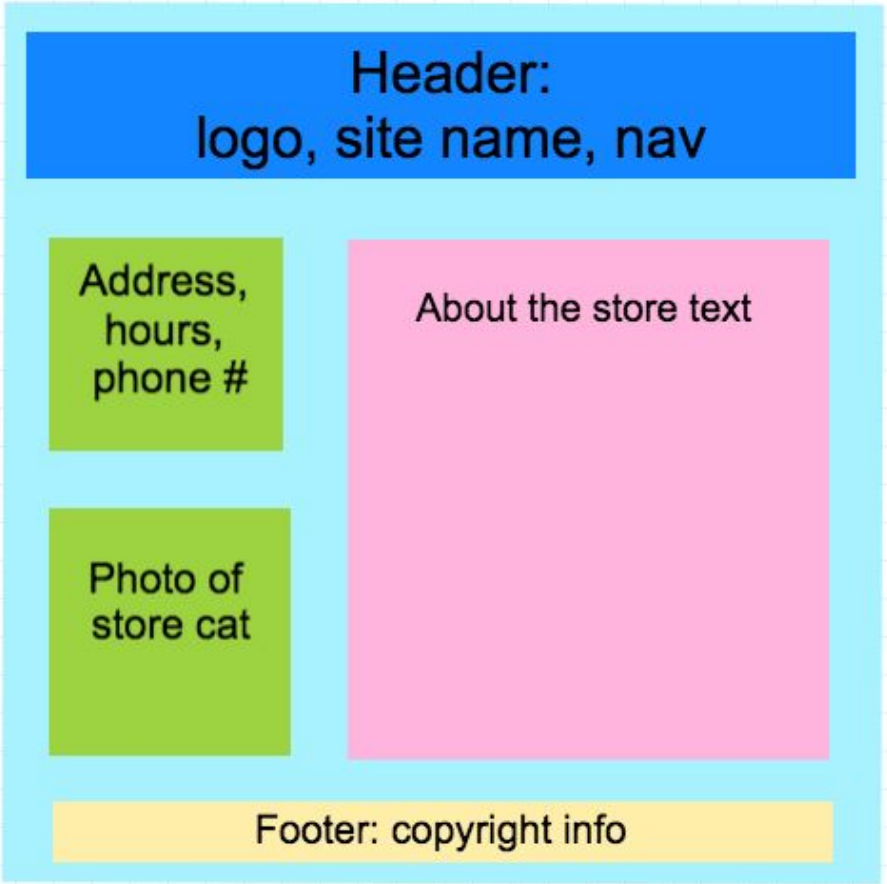




A Possible Architecture for the Site

Layout Sketches

- Sketch the arrangement of modules/information on each page.
- Think about arrangement in small, medium, and large contexts.
- Include headers, footers, and nav elements that may be present on every page.


Header:
logo, site name, nav
Address, hours, phone #
About the store text
Photo of store cat
Footer: copyright info

Group Activity: Layout

With your partner, discuss possible layouts for one page of your site, in both a large and small context. Sketch a few potential layouts. Be prepared to discuss what makes your layouts effective.

Coding

We won’t code any of this site for class credit.

If you’d like another project in your portfolio, though, feel free to build one based on this exercise!

HW: A Full Project

Collaborate with a partner to plan and build part of a website for a “client”. Experience a full project workflow.

Deliverables for 12/2:

- Sketches of full site architecture
- Sketches for layout of >= 2 pages (for small or large screens)
- Semantic HTML for the layout-sketched pages
- Pushed to a new Github repo

Deliverables for 12/11:

- Two page site fully styled, incorporating elements from 12/4 class
- Site live on Github Pages

Start In Class

Planning Only Right Now!

Communication FTW

- View the assignment with your partner
- Plan how to start & schedule the work
- Break project into small tasks, enter them in Trello, and begin assigning them
- Clearly communicate availability & expectations
- Trade contact info: email and Github handles

Collaborating With Github

Git & Github

So good for collaboration!

We'll learn some new Github techniques today. We'll do much of what's necessary for your homework together right now.

Github Group Activity

One partner starts a Github repo, adds partner as collaborator

- When repo is created, click “Settings”
- Inside Settings, click “Collaborators”
- Re-enter your password
- Start typing partner’s Github handle in box
- Click “Add Collaborator” after they’re found

Github Group Activity

Both partners clone the repo to their local machines

- On the GH repo page, copy the “Clone URL”
- In terminal, go to foundations directory then run:

  git clone [pasted URL]
- Change directories into the repo directory

Github Group Activity

Each partner creates their own branches to work from

- in terminal, navigate to repo then enter:

  git checkout -b [new branch name]

Github Pull Requests

Pull requests are the industry standard for reviewing and approving code before it’s added to Master branch of main repo.

Github Pull Requests

Each partner pushes their work up on their own branches to the Github repository

- After committing in terminal, run:

  git push origin [your branch name]

Github Pull Requests

On Github, each partner creates a pull request to merge their work into the master branch

- On GH repo page, click “Pull Requests”
- Then click the green “New Pull Request” button
- Review which branches are involved, then click “Create Pull Request”
- Enter descriptive text, then click “Create Pull Request”

Pull Request Demo

Pull Request Alternative

If you don’t want to do pull requests, have just one partner be in charge of Github repo. The other partner will email their code and sketches over, to be added, committed, and pushed to the repo.

This is not advised, but permitted if necessary.

How to Submit

Both partners need to submit a link to the project repo for the homework. The sketches should be inside the resources subdirectory. Please also include the name of your partner in the comments.

Don’t forget: DUE WEDNESDAY 12/2, 8AM

Enjoy your holiday weekend!