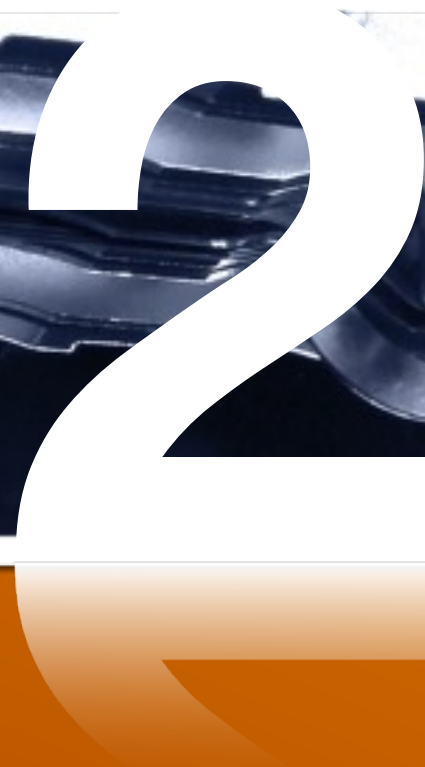




FULL SAIL
UNIVERSITY

scripting for web applications



part deux the awakening

Course Director

michael.smotherman

msmotherman@fullsail.com

 @codeinfused

ipso facto

- Cell phones muted
- Only bottled water allowed in classrooms
- **10 day course**
 - **You can miss 8 hours without documentation**
 - **You can miss a maximum of 16 hours (*documentation required*)**
 - ***Make-up assignment will be given for missing hours***
- If you will miss class, contact me ahead of time. **Be proactive!**

the course

- Month-long Application Project
 - *Today's slides contains all the Project Requirements*
- Phase driven milestones
 - *Discovery, Design, Prototyping, Development*
- Lectures
 - *Exploration, practice, group coding*
- Labs
 - *Project time to meet milestone deadlines*
 - *Project code from scratch*

week 1



❖ **Lecture 1**

- ❖ Project overview

❖ **Lecture 2**

- ❖ Choosing a Framework / jQuery Core / jQuery CSS

❖ **Lecture 3**

- ❖ jQuery: Targeting & Manipulating HTML

week 2



❖ **Lecture 4**

- ❖ jQuery: Events & Effects

❖ **Lecture 5**

- ❖ jQuery: AJAX, Templating

week 3



❖ **Lecture 6**

- ❖ Developing Plugins / Best Practices

❖ **Lecture 7**

- ❖ jQuery UI extras / Drag & Drop

❖ **Lecture 8**

- ❖ Plugin: Content Slider

week 4



❖ **Lecture 9**

- ❖ Concept suggestions

❖ **Lecture 10**

- ❖ Project finish (*final day*)

SWA2 Grading Rubric

Item		%
milestones {	Progress Meeting	5%
	Branding / Logo	2%
	Creative Brief	8%
	Site Prototype (<i>html/css</i>)	5%
	Development Milestone (<i>javascript</i>)	5%
final turn-in {	Aesthetics & Usability (<i>finished site</i>)	20%
	Functionality (<i>finished site</i>)	45%
	Professionalism	10%

task manager

- web application using client-side and server-side technologies
- full user system (*registration, login, stateful sessions*)
- rich interface requirements
- highly ajax driven content

technologies

- jQuery core
- jQuery UI extensions
- php / mysql (*server environment MAMP*)

the project feature requirements

The following feature sets are **not** optional
These requirements account for 60% of the Project grade

Design Requirements:

1. **Size:** *design must fit in a 960px schema*
2. **Branding:** *must be unique (not a redesign of an existing product)*
3. **Compatibility:** *must function in firefox, safari, chrome*
4. **Content:** *no lorem ipsum*
5. **Features as Design:** *should be as rich as you can design.. you are not required to program every design element that you create (only the requirements are required)*

Landing Page:

1. Login: *form with username/password and button.*

- ▶ *Inputs must be revealing (goes blank on focus, put default back on blur)*
- ▶ *Must give user an error message on a bad login attempt (do NOT use a popup)*

2. Welcome content: *introduce the user to the application, entice them to want to join your service.*

- ▶ *Content about what your application provides*
- ▶ *Feature list*
- ▶ *Plans / Pricing (optional idea, if “free”, use that as an advantage point)*

3. Registration: *quick-registration CTA, make it easy for users to join*

- ▶ *Could be a popup, or separate page, or built into the Landing*
- ▶ *Error messages on bad register (username or email is already taken)*
- ▶ *On successful registration, automatically load the application view*

Minimum Fields	username	password	email
----------------	----------	----------	-------

Tasks Page:

1. **Task List:** *interactive list of tasks for the logged in user*

▶ *Minimum Task Details:*

- ▶ *Task name,*
- ▶ *Description,*
- ▶ *Due Date*
- ▶ *Status: (per status) urgent, normal, delayed, finished*
- ▶ *Priority: (optional field) can be used for any custom need in your project*

2. **New Task:** *add a task to a project*

- ▶ *Same as data above*

3. **Edit Task:** *edit a task (form or edit-in-place)*

- ▶ *Same as data above*

the project your choice of features

The following feature sets **ARE** optional
You **must** choose at least 4 points of extra features
(this list is just ideas, you can be creative and make your own!)

These features account for 40% of the Project grade

Optional Feature Ideas:

- Projects (do all 3)
 - List, Add New, Edit
- Clients (do all 3)
 - List, Add New, Edit
- View & Edit Your Account Info
- Color Coding
- Timeline View (*or calendar*)
- Drag & Drop (*meaningful implementation*)
- Dashboard page (*first page when logged in, summaries, calendar, etc*)
- Internal Analytics (*advanced dashboard idea*)



due soon

Player Connect UI

Wizkids



Assigned: Mike Smotherman

Updated: 6/1/10, 2:30pm

Due By: 6/6/10



Heroclix Classics

Wizkids



Assigned: Mike Smotherman

Updated: 6/1/10, 2:30pm

Due By: 6/9/10



Marquis Grain Design

Marquis



Assigned: Mike Smotherman

Updated: 6/1/10, 2:30pm

Due By: 6/30/10



Description

John requested that the player design comps resolve questions about feature setups including player matching.

Task Needs

- design player UI
- player meetups
- login and logout screens
- account settings pages
- find games in your area
- fully integrated game scheduling calendar system

Marquis

Justin Ziran
justin.ziran@wizkidsgames.com
555-555-5555

Status

urgent

active

delayed

done

Dossier

CodeInfused



Assigned: Mike Smotherman

Updated: 6/1/10, 2:30pm

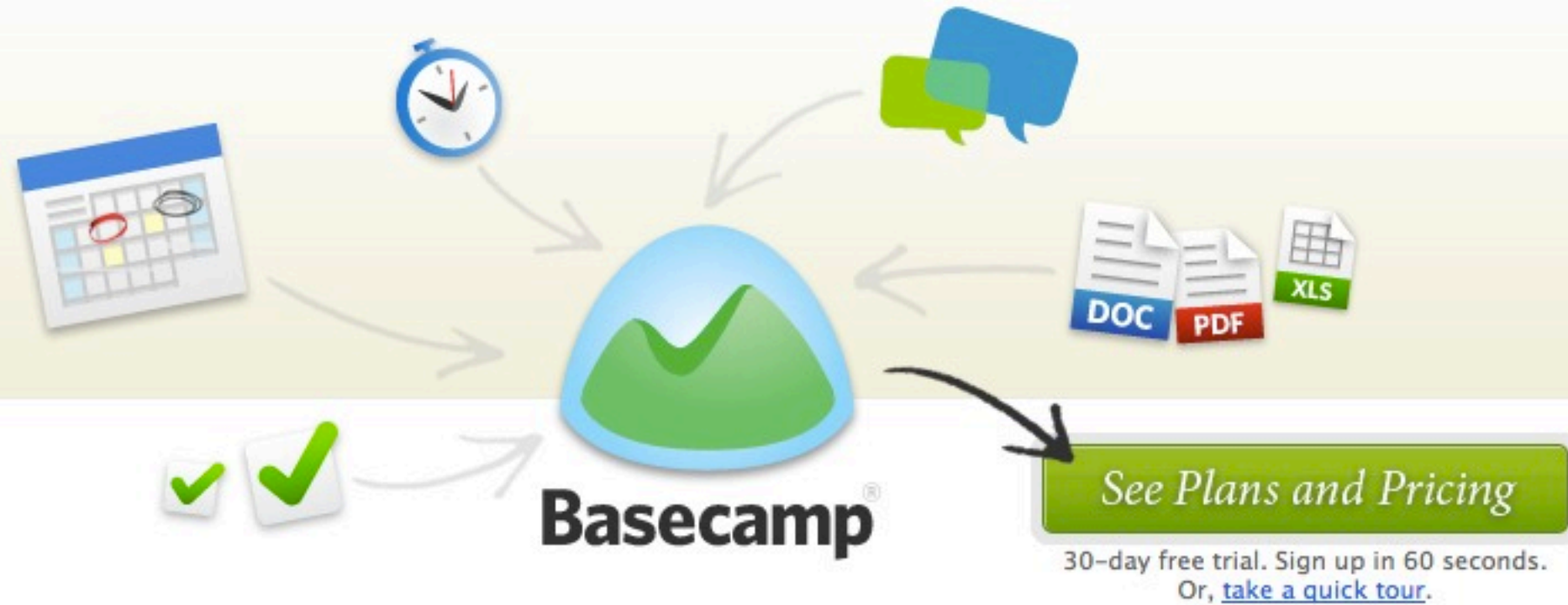
Due By: 7/25/10



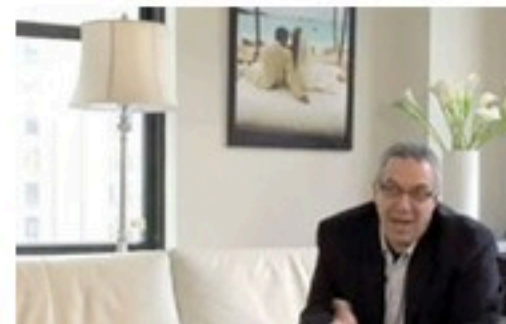
project.inspiration

Projects Manage Themselves with Basecamp.

Millions of people use Basecamp, the leading online project collaboration tool.



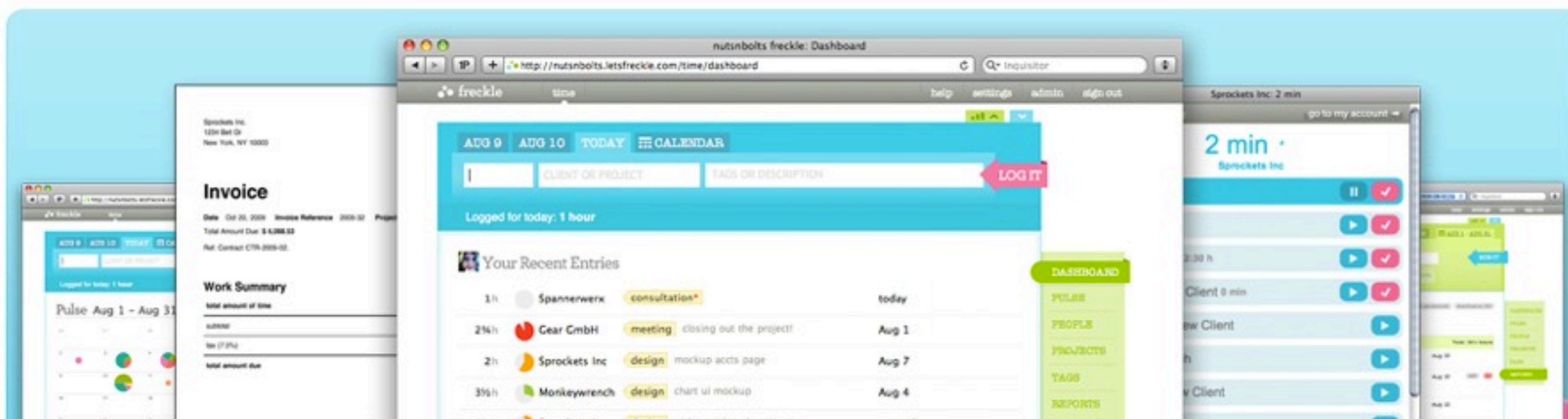
Basecamp is the top choice for entrepreneurs, freelancers, small businesses, and groups inside big organizations.



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what people say...

*Freckle just makes you **want** to
keep track of your time.*

— Smashing Magazine

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The easiest way to manage code,
collaborate and deploy.



Version Control

Secure, private and reliable [Git](#) and [Subversion](#) hosting. View activity, browse files, compare revisions.



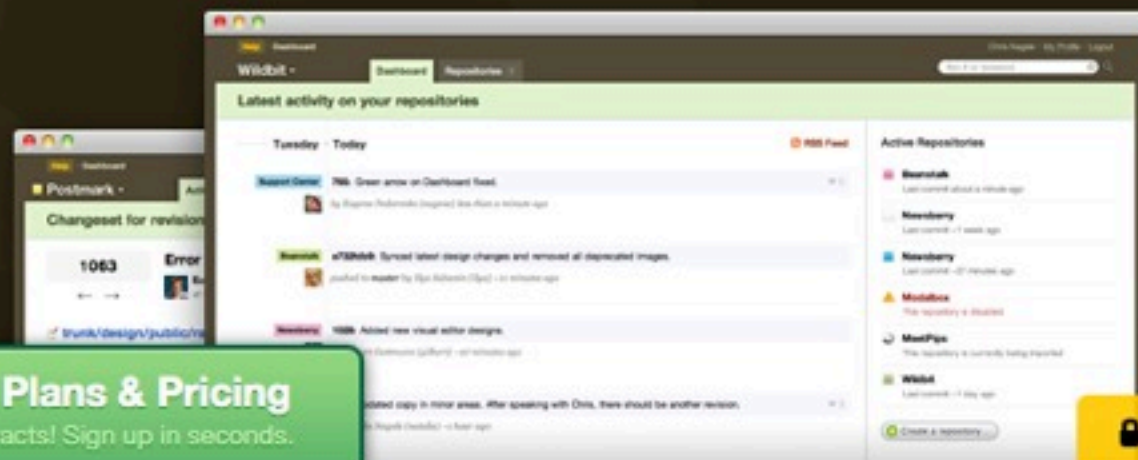
Collaboration

Review code and discuss changes. Easily integrate with your favorite ticketing, support and communication tools.



Deployments

Instantly deploy or rollback updates to multiple web servers for testing and production releases.



View Plans & Pricing

No contracts! Sign up in seconds.

Concerned about Security?

Beautifully Simple Interface

Creating Subversion and Git repositories, managing users, and keeping track has never been easier.

Extensive Integration

Integrates with Basecamp, Lighthouse, FogBugz and more. Send commands with commit message markup.

FTP/SFTP Deployment Tools

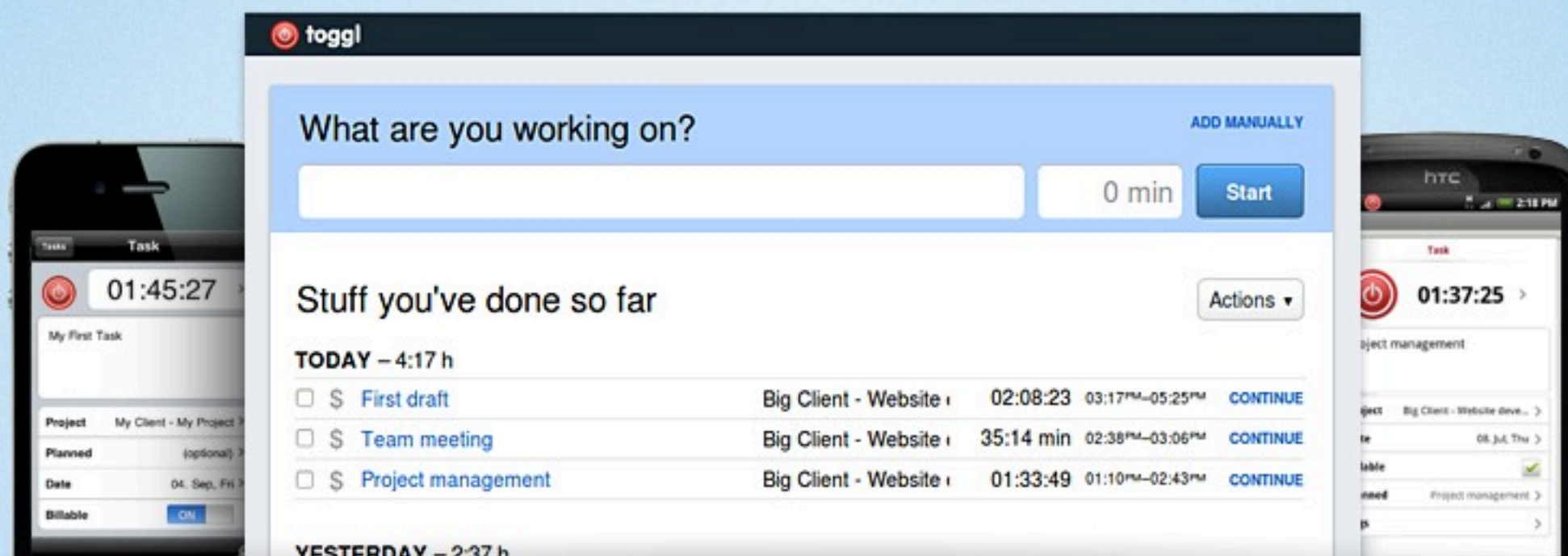
Deploy your Subversion and Git projects to your FTP server in one click.

Worry-free Reliability

Frequent multi-site backups, SSL, scalable servers, highly responsive customer support.

Time tracking so easy you'll actually use it.

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Works anywhere.



Time track anywhere on anything: Mac, PC, iPhone, iPad, iPod, or Android.

Fast to adopt.



Implementation across an entire company takes hours not days.

Track it. Bill it.



If you don't track it, you can't bill it: Toggl helps your bottom line.

project.milestones

▸ Concept Branding

▸ Due: End of Lab 1

- Must have project branding and logo concepts finished.
- Turn in to dropbox/sfw2 as **lastname_firstname_branding.pdf**
- Worth 2%

▸ Progress Meeting

▸ During Lab 3

- Must have majority of Design Deliverables ready for review (*including design compositions*)
- 1 on 1 meeting assessment of project progress during **lab**.
- Worth 5%

▸ Creative Brief

▸ Due: Before Lecture 4

- Creative Brief must be finished and ready for turn-in, including any changes to your design deliverables, at the **beginning** of lecture.
- Worth 8%
- Turn in as PDF format
- Name as “**lastname_firstname_CB.pdf**”

▸ HTML/CSS Prototype

▸ Due: Before Lecture 6

- html/css markup completed, *no javascript* in turn-in.
- filler content (***not*** *lorem ipsum*) used inside design to test html/css
- *Create as much of the html/css in advance as you can, utilize the Functional Specs to see what type of markup you may need to create for each component of the website.*
- Worth 5%
- Include all site files, zip as “**lastname_firstname_prototype.zip**”

▸ Development Milestone

▸ Due: End of Lab 8

- Due at the **end** of lab 8 is your ***Development Milestone***. At minimum:
 - login/logout menu
 - login action removes the *landing* UI and creates the *application* UI
 - logout action removes the *application* UI, and creates the *landing* UI
- Worth 5%

▸ Final Delivery

▸ Day 10

- Utilize MAMP for build testing.
 - *make sure you are testing via <http://localhost:8888>*
- Package your site into a zip compressed file (*make sure you double check all your files, images, css, and js are in it!*).
- Name zip as “**lastname_firstname_site.zip**”

creative brief
deliverable milestone

Creative Brief requirements:

- *Use your branding/identity as a cover letter to the document*
- **Branding Concept** *(plus alternates and usage guidelines)*
- **3 Wireframes** *(details on next slide)*
- **3 Design Comps** *(details on next slide)*
- **Style Guide** *(details on next slide)*
- **Project Timeline** *(milestones and personal goals)*
- Worth 8%
- Turn in as 1 PDF document, named **"lastname_firstname_CB.pdf"**

Design Deliverables in CB *(these are parts of your single CB pdf)*

- ▶ **3 Wireframes:** *Wireframes should be high fidelity (show content pixel sizes, descriptions where functionality will go)*
 - Landing page
 - Application (Task) page
 - New Task
- ▶ **3 Design Comps:**
 - Same 3 pages as wireframes
 - Finished designs, ready to slice, ***no lorem ipsum (use real content)***
- ▶ **Style Guide:**
 - Color guide for site
 - CTA example with normal and hover state
 - Link colors and styles
 - Content font sizes and colors

Helpful Project Resources:

<i>Website</i>	<i>Description</i>
fontsquirrel.com	Convert fonts into web-font usable formats
css3please.com	Helps create cross-browser css3 styles (even IE)
css3pie.com	Enables border-radius and shadows in IE
subtlepatterns.com	Slick repeatable backgrounds
stripegenerator.com	Creates repeatable striped backgrounds
ajaxload.info	Loading graphic generator (gif format)
freeiconsweb.com	Because icons make the web pretty
speckyboy.com/2012/02/13/	MOAR ICONS
css3button.net	Um, awesome?
colorzilla.com/gradient-editor/	CSS3 Gradient Generator

The SFV2 Lab Game of Awesome

- **Name the current song! HERES THE RULES:**
- You get only 1 guess
- Must be specific to get points (*if it's a movie trilogy, which movie?*)
- A correct guess of a new title is worth 2 pts.
- If an exact song happens to repeat in the same day, it's worth 0.
- A correct guess of a repeat title (different day) is worth 1 pt.

Lab 1

lab resume at 4:00pm

- **Start branding & logo design**
- **Brainstorm your feature ideas** *(outline functionality involved for each)*
- **When done:** *begin working on wireframes / designs*
- **Branding due at of lab**
 - Turn in to dropbox, SFW2
 - **lastname_firstname_branding.pdf**