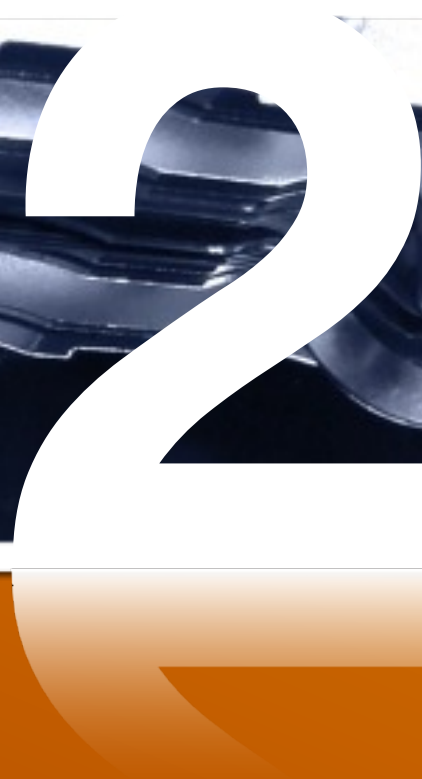




FULL SAIL
UNIVERSITY

programming for web applications 2



PWA2 / WDD344

course**Director**

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about.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



❖ goal 1

❖ Project Overview & Requirements

❖ goal 2

❖ Choosing a Framework / jQuery Core / jQuery CSS

❖ goal 3

❖ jQuery: Selecting, Traversing & Manipulating HTML

week 2



❖ goal 4

❖ jQuery: Events & Effects (Animation)

❖ goal 5

❖ jQuery: AJAX, Templating

❖ goal 6

❖ jQuery UI extras / Drag & Drop

week 3



❖ goal 7

- ❖ Developing Plugins (Accordion) / How-To Minify a Plugin

❖ goal 8

- ❖ More Live Demo on Coding a Plugin (Slider, JFollow)

❖ goal 9

- ❖ Same Origin Policy, JSONP, Live Demo

week 4



❖ goal 10

- ❖ jQuery integration with 3rd party service

❖ goal 11

- ❖ Finish Project

grading.Rubric

Item		%
milestones	Project Pitch	5%
	Creative Brief / Branding / Logo	10%
	Site Prototype (<i>html/css</i>)	5%
	Development Milestone (<i>javascript</i>)	5%
final turn-in	Inclusion of 5 media center items	5%
	Aesthetics & Usability (<i>finished site</i>)	20%
	Functionality (<i>finished site</i>)	40%
	Professionalism	10%
See the entitled “All Rubrics” in the Announcement section in FSO		

due.Dates

Item	Due Dates
Branding / Logo	10/01/13 - After Lab on the First Day
Project Pitch	10/05/13 - Before Lecture on 3
Creative Brief - Finished Document	10/08/13 - Before Lecture 4
Site Prototype (html/css)	10/12/13 - After Last Lab of the 2nd Week
Development Milestone (javascript)	10/15/13 - Due End of Lab 7
Inclusion of 5 media center items	10/24/13 - Last Day of Class After Lab
Aesthetics & Usability (finished site)	10/24/13 - Last Day of Class After Lab
Functionality (finished site)	10/24/13 - Last Day of Class After Lab
Professionalism	The duration of the course
Class Participation	The duration of the course

the.Project

Task Manager

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

Technologies

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

project.**Inspiration**
by.**Students**

the project feature. **Requirements**

The following feature sets are **not** optional
These requirements account for 70% 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 Page*
- ▶ *Error messages on bad register (i.e. username or email is already taken)*
- ▶ *On successful registration, automatically load the application view*

Minimum Fields	username	password	email

project.Page

1. Project List: *interactive list of Projects for the logged in user*

▶ *Minimum Project Details:*

- ▶ *Project 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 Project: *add a Project*

- ▶ *Same data as above*

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

- ▶ *Same data as above*

4. Log Out Link

task.Page

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

▶ *Minimum Task Details:*

- ▶ *Task name,*
- ▶ *Description,*
- ▶ *Due Date,*
- ▶ *Project name*
- ▶ *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 data as above*

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

- ▶ *Same data as above*

4. Log Out Link

the project feature.**Choices**

The following feature sets **ARE** optional
You **must** choose at least 3 extra features
(this list is just ideas, you can be creative and make your own!)

These features account for 30% of the Project grade

optional.Features

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

project.**Milestones**

branding.Concept

- ▶ **assignment 1** (see calendar for due date)
 - ▶ Must have project branding and logo concepts finished.
 - ▶ Turn your deliverable into your PWA2 Repo. Name your file:
“lastname_firstname_branding.pdf”
 - ▶ Worth 10% of your Creative Brief's grade

project.Pitch (informal)

- **assignment 2** (see calendar for due date)
 - Turn your deliverable into your PWA2 Repo.
 - Name your video file: “**lastname_firstname_pitch.mov**”
 - Name your creative brief document file: “**lastname_firstname_pitch.pdf**”
 - Worth 5% of your creative brief’s grade

final.CreativeBrief

- **assignment 3** (see calendar for due date)
 - Must have **ALL** of your Creative Brief Design Deliverables completed
 - Turn your deliverable into your PWA2 Repo. Name your file:
 “lastname_firstname_CB.pdf”
 - Worth 10% of your grade

site.**Prototype**

- ▶ **assignment 4** (see calendar for due date)
 - ▶ ALL HTML/CSS markup completed, *no JavaScript* in deliverable.
 - ▶ Filler content (***not*** *lorem ipsum*) used inside design to test html/css
 - ▶ *Create ALL the HTML/CSS in advance, utilize the Functional Specs to see what type of markup you may need to create for each component of the website.*
 - ▶ Worth 5% of your grade
 - ▶ Turn in your deliverable to your PWA2 Repo, in a directory name “**prototype**”. ALL HTML and CSS files for your ENTIRE site must be included.

development.Milestone

- **assignment 5** (see calendar for due date)
 - At minimum:
 - registration page
 - 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
 - Turn in your deliverable to your PWA1 Repo, in a directory call “**development**”. ALL files for your ENTIRE site must be included.
 - Worth 5%

final.Milestone

- **assignment 6** (due on the last day of this course)
 - Utilize MAMP for build testing.
 - *make sure you are testing via <http://localhost:8888>*
 - Deliver all your files (images, css, and js).
 - Include your 5 media center items.
 - You will need to include your database, if you updated your database tables.
 - Turn in your deliverable using your PWA2 Repo, in a directory named “**FINAL**”.
 - Worth 65% of you grade

creative brief
deliverable. **Milestone**

creativeBrief. Requirements

- *Use your branding/identity as a cover letter to the document*
- **Table of Contents**
- **Description Page** *(project description, audience)*
- **Branding Concept** *(plus alternates and usage guidelines)*
- **Flow chart**
- **6 Wireframes** *(details on next slide)*
- **6 Design Comps** *(details on next slide)*
- **Style Guide** *(details on next slide)*
- **Project Timeline** *(milestones and personal goals. Need at least 12 milestones for the project)*
- **Optional Items** *(list of the 3 optional items you will be implementing into your project)*
- Worth 10% of your grade

CB design.Deliverables

- ▶ **6 Wireframes:** *Wireframes should be high fidelity (show ALL content & space pixel sizes, descriptions where functionality & error messages will go)*
 - Welcome Landing Page
 - Application - Project & Task Listing Page - **1 view each w/ expanded view**
 - New Project & Task Page
 - Registration Page
- ▶ **6 Design Comps:**
 - Same 6 pages as wireframes
 - Finished designs, ready to slice, ***no lorem ipsum (use real content)***

Show where the error messages will display
- ▶ **Style Guide:**
 - Color guide for site
 - CTA example with normal and hover state
 - Link & Button colors and styles
 - Content font sizes and colors

creativeBrief.Example

- ▶ 1. Cover page - Show Branding
- ▶ 2. Table Of Contents - with Page Numbers
- ▶ 3. Brief Descriptor - Describe The Goal of the Application, Target Audience, etc...
- ▶ 4. Logo Design
- ▶ 5. Color Scheme
- ▶ 6. Type Treatment (font, size, color, etc..)
- ▶ 7. Copy Text / Copy Links / Buttons / Hover / Tool tips / etc...
- ▶ 8. Flow Chart
- ▶ 9. Six Wireframes (show content, 0 pixel sizes for everything (i.e gutters), description where functionality will go) (see slide above)
- ▶ 10. Six Design Comps (see slide above)
- ▶ 11. List of the 3 Optional Items to be Included in your Project
- ▶ 12. At least 12 Milestones of your Project Items

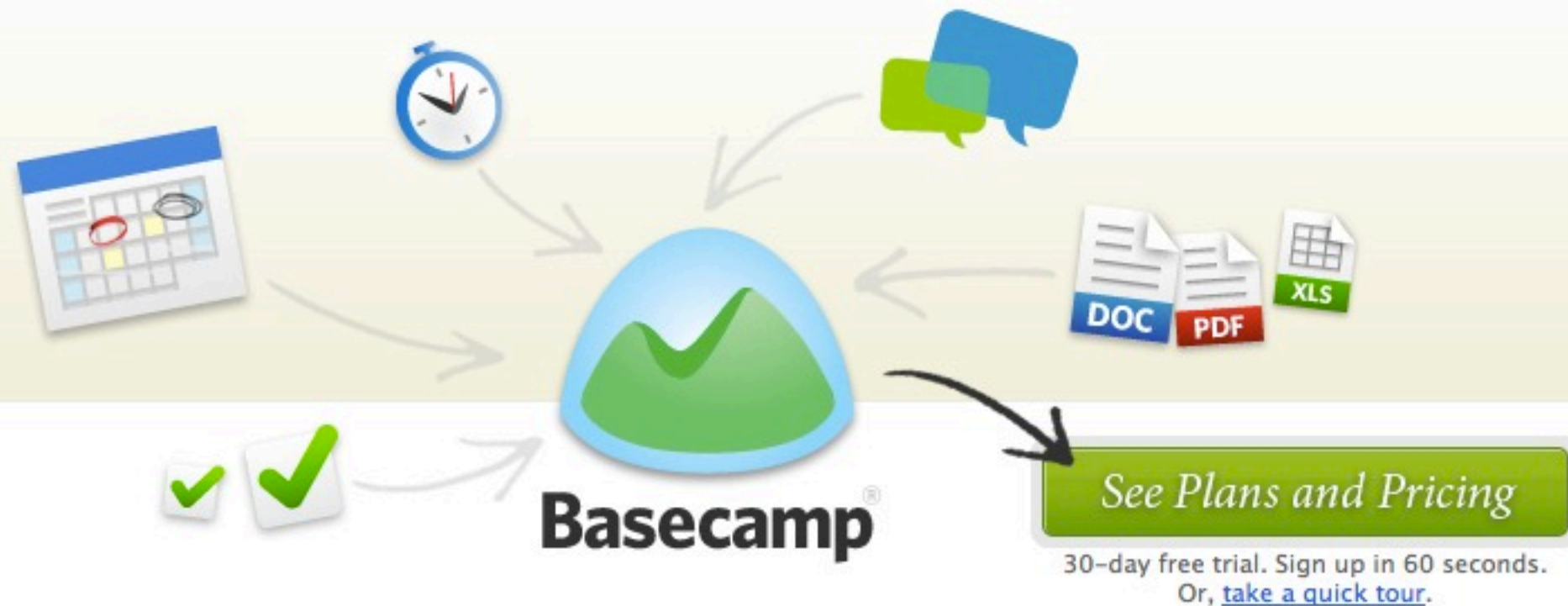
project.Resources

Website	Description
fontquirrel.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

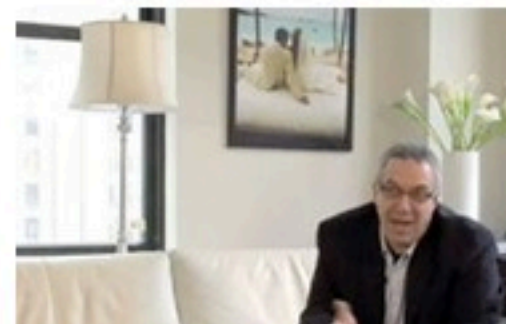
project.**Inspiration**

Projects Manage Themselves with Basecamp.

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



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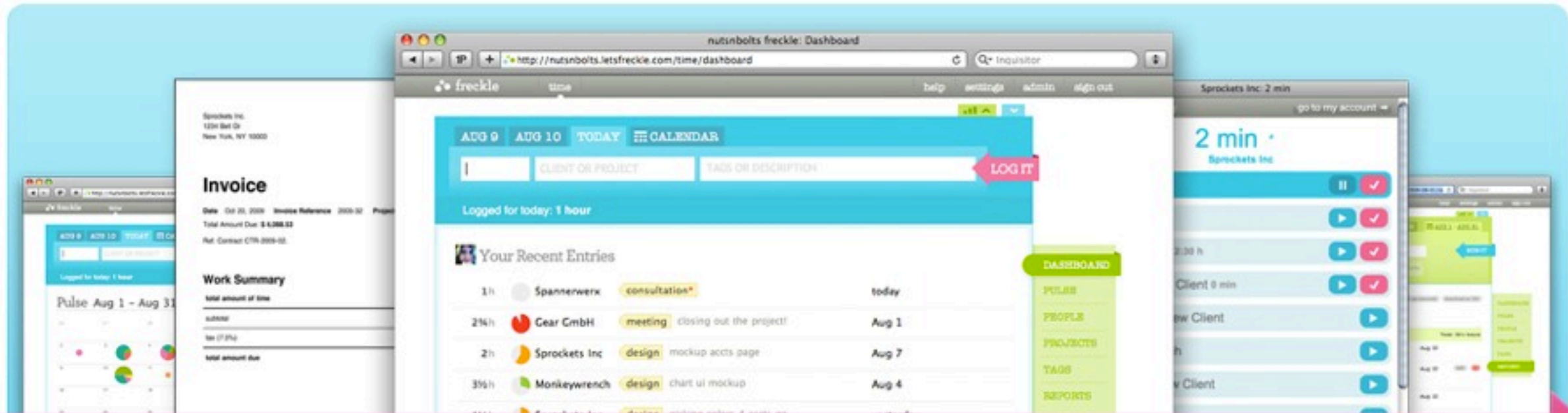


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— Smashing Magazine

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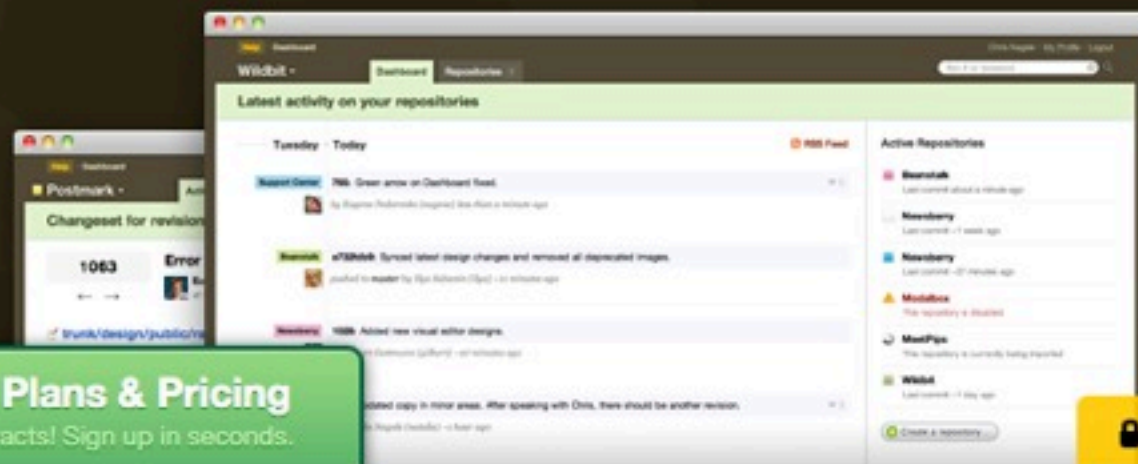
Collaboration

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Deployments

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FTP/SFTP Deployment Tools

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



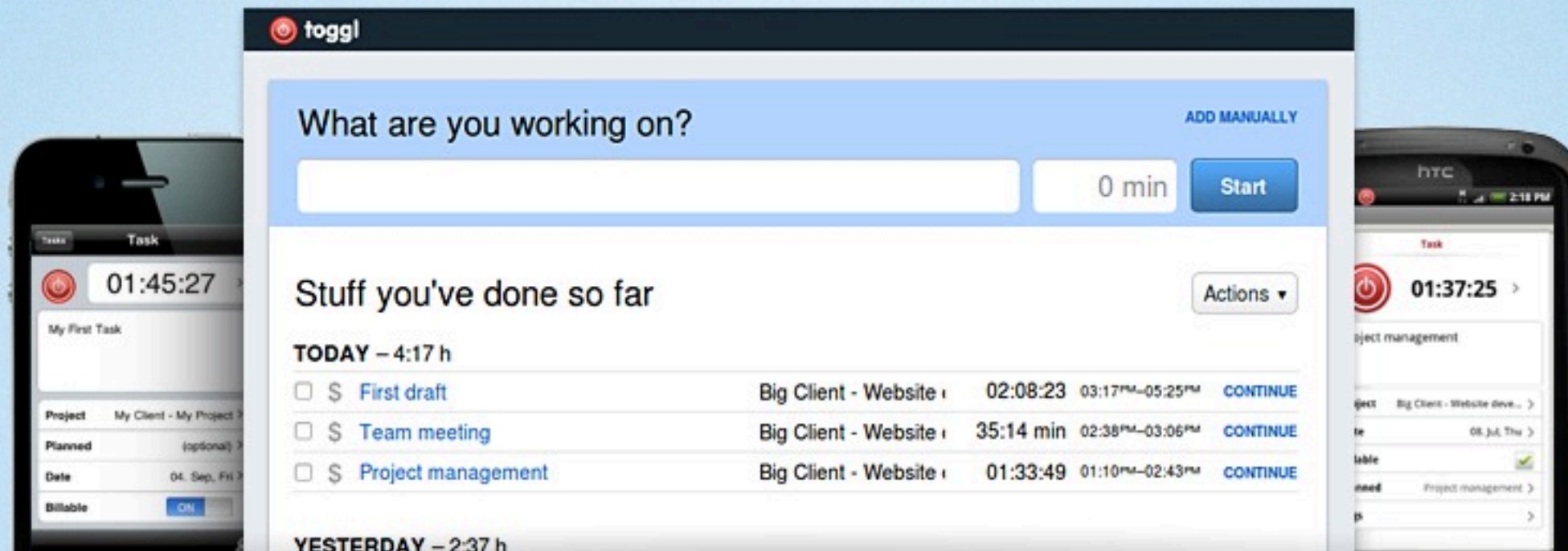
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assignment.Goal1

- **Start branding & logo design**
- **Brainstorm your feature ideas** *(the 3 additional features)*
- **When done:** *begin working on your Creative Brief*
- **See schedule for when this assignment is due**
 - Turn in your deliverable using GIT. The file must be named:
 “lastname_firstname_branding.pdf”
 - Worth 10% of your Creative Brief’s grade