



PROJECT

PREPARATION FOR YOUR PROJECT

THIS IS A STOCK PHOTO

DATE

COMES WITH

CLIENT

KEYNOTE

Today's agenda

- * Talk a little bit about preparing and starting the final
- * Doing a lab assignment
- * One-on-two project discussion.

The map ahead

- * Authentication
- * Using Gems
- * Deploying to the web with Heroku
- * Making things pretty with Bootstrap and the Rails Asset pipeline

Final project

- ✱ By now you **should** have given me a concrete proposal.
- ✱ You should also be thinking about the models and associations that you might use in your project.
- ✱ It's okay if it isn't totally clear just yet.

PLANNING

Rome wasn't built in a day

- ✱ It's smart to break your project up into manageable pieces.
- ✱ This is how developers normally work.

Organizational tools

- * Not required, but I recommend you use a tool such as Trello or Pivotal tracker to make things feel more manageable.
- * Think of small pieces to tackle one at a time such as
 - * User login
 - * Create links for toolbar
 - * Make Users relate to photos
 - * Make views for User actions
 - * etc

Version control

- * Today's lab and your final project will not live in the class repo. You will put this in a separate repo on Github.

Tools

- * Apart from organizational tools, there is an absolute freaking honest to goodness rainforest of open-source tools that you can use in your project
- * They are called gems.

Gems

- * Gems are bits of code available for anyone to use in Ruby.
- * Nobody can take them away.
- * If you have a puzzle, a gem can usually solve it for you, but you do need to read the manual.

RTFM

HELLO, 911? I JUST TRIED TO TOAST
SOME BREAD, AND THE TOASTER GREW
AN ARM AND STABBED ME IN THE FACE!

DID YOU READ THE
TOASTER'S MAN PAGE FIRST?

WELL, NO, BUT ALL
I WANTED WAS—



Finding good gems

- * Unlike music, a popularity of a gem is a good indicator of its worth.

Finding good gems

- * Ruby toolbox - <https://www.ruby-toolbox.com/>
- * Awesome Ruby
- * Look at how many stars it has on github
- * Peruse documentation — A good gem should have a detailed quickstart that you can follow.
- * Look at questions on Stack Overflow.

Here's me looking for an image upload gem

- * Stats on Ruby Toolbox / RubyGems / Github
- * Tutorials available?
- * Prerequisites?
- * Provenance?
- * Railscast perhaps?

APIs

- * Third party API's such as Yelp, Facebook, Twitter, Foursquare, etc are great for making your app more fun
- * Usually these have gems, for instance, most things relating to Facebook are pretty easy with Koala.

This is a creative process

- * So far we have been doing basic stuff, but you will come against problems in your app that you will need to solve yourself.
- * Getting it to work is a mixture of reading documentation, googling, and asking for help.

SO HERE IS A LAB.

Happitails... on Rails

- * You will now enjoy a challenge that covers material that you can't really learn without doing on your own.
- * Some stuff in here, you haven't learned, but you did learn how to figure it out.
- * Now that you do know some basics, you can figure things out through trial and error.
- * This is not easy, I'm not going to lie.

Go here

- * Demo: <http://happitails.herokuapp.com>
- * <https://gist.github.com/trivett/1b4d236be446b8d507f4>
- * You have until after break to finish this. Soft due date of 1/8. If you procrastinate on this one you will have a harder time finding time for your final. This is your last formal homework!
- * This should be great practice for your final!

One on twos

- * We will call you up individually to chat about your project, hopefully we can steer you in the right direction so you can get started.