Research Notes

My 694 random research notes with links and stuff
First the basics, then the rest are sorted by section.

The basics…
- ➢ rubyonrails.org - Ruby onRails
- ➢ www.railstutorial.org - Ruby on Rails tutorial by Michael Hartl
- ➢ getbootstrap.com - Bootstrap framework
- ➢ fonts.google.com - Google fonts
- ➢ github.com - Github source code repositories and collaboration
- ➢ c9.io - and IDE in the cloud, used in our tutorial
- ➢ www.ryver.com/ - team communication site

Agile

The manifesto: agilemanifesto.org/
An agile project management idea: Action and Idea Lists for Lean Startups

git and Github

This will be an important resource for us… it's the Github repo of my Spring 2016 495 class: github.com/noctrl-csc495-spring2016 . The repos hold all the source code for that class.

Github is a little quirky. Organizations have members, but you then need to add members as collaborators to a specific repo for them to be able to add (push) to it.
The magic (thanks, Ed): Goto the repo, Settings, Collaborators, enter user name and Add Collaborators.

Bill: Review and then post your Git for Professors and Dummies.

Noctrl

Some school stuff, just in case:
- ❏ wtkrieger.faculty.noctrl.edu - my site, click on CSC 694!
- ❏ drives.noctrl.edu - web-based access to your school file systems
- ❏ nccmail.noctrl.edu/gw/webacc - web-based access to your school email

What I learned in 495
Subtitle: And want to remember in 694
1. We had no bugs
2. Demo screens are key!
3. The tutorial is key!
4. Communication is key!
5. I worried more than the students
6. Everyone needs a higher purpose
7. Emphasize culture more
8. Trust. But verify.
9. Github is more than just git
10. Fresh, fun ideas worked

Honorable mention: Keep the ethics book. It was surprisingly good.

Ruby and Rails

blog.teamtreehouse.com/install-rails-5-mac - How to install Rails 5 on a Mac (PC and Linux too)

This is just a summary, my two cents:
- **Convention** over Configuration is #2 in the Rails doctrine: rubyonrails.org/doctrine/ . This is a powerful concept that can be applied in many areas… like Donna Donor! Convention promotes simplicity.
- **MVC** = Model (database) + View (web pages) + Controller (code to get work done using the database and then displayed on web pages)
- **REST** = Representational State Transfer (REST) in Rails is the connection between URL's and controller code. This is a nice overview if the tutorial doesn't do it for you: www.theodinproject.com/ruby-on-rails/routing

- **No bugs** (well, fewer) - because 1) gems are pretty bulletproof with all the usage they get, 2) test-driven development (TDD), 3) always be deploying (ABD) and frequent coding sprints, 4) working at a higher level with Rails than, say, Java.
- **Rails core team** is small: rubyonrails.org/community/ ... so they are better able to lead change rather than follow like Java, which is a behemoth.

Raiser's Edge

Raiser's Edge is the "World's #1 Fundraising and Donor Management Solution".
It's worth studying Raiser's Edge to understand the features that we like and don't like.

- www.blackbaud.com/fundraising-and-relationship-management/raisers-edge - Official site, I think
- www.blackbaud.com/files/support/guides/re7/re7begin.pdf - The official "Raiser's Edge 7 for Beginners" manual… all 300+ pages of it!
- https://youtu.be/A-PxOXvgfVc - this 6 minute video introduces their NXT product which is cloud-based

UX

fontcdn.org - a nifty search tool for Google fonts
http://fontpair.co/ - "Font Pair helps designers pair Google Fonts together"

fontawesome.io/examples/ - Font Awesome icon examples
fontawesome.io/cheatsheet/ - Font Awesome cheat sheet
www.bootstrapcdn.com/fontawesome/ - Font Awesome CDN

www.w3schools.com/colors/colors_names.asp - default color names in CSS

www.color-hex.com/color-palettes/ - color palettes

Good advice here: [How I Rapidly Prototype Websites](#)
1. Start with pencil and paper
2. Do digital mockup - with balsamiq
3. Skip Photoshop - don't waste time on hyper-detailed mockups
4. Use a framework - we are… Bootstrap!

This is code for Bootstrap collapsible sections with a glyphicon +/-
www.bootply.com/89084

yow, bill