Welcome to KIEI-925
Spring 2017

Jeffrey Cohen
Adjunct Lecturer, KIEI

Garrett Martin
Faculty Associate, KIEI

Do not memorize anything

you are about to see and hear

GoLearnToCode.com

Goals

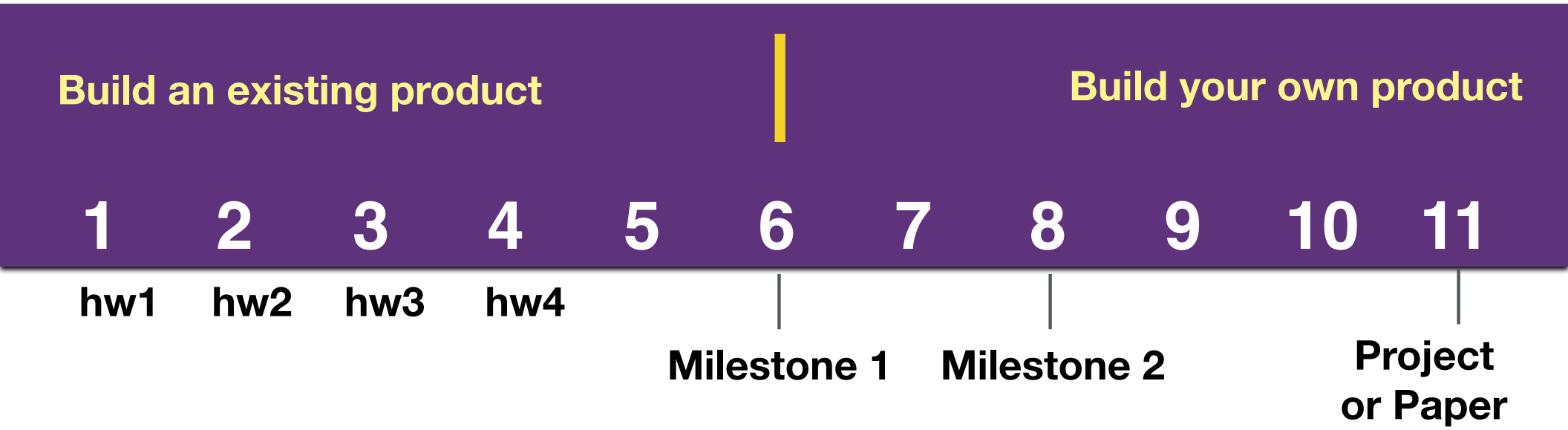
Experience the *developer's mind*

Manage software projects in startups

Skills You Will Need

- HTML 5
- CSS 3
- The Bootstrap framework
- Javascript event handling
- Debugging
- Code editing
- SQL
- Databases

Milestones



Homework = 50%
Milestones = 20%
Final Project or Analysis Paper = 30%

Final Project

Build an MVP

Your own product or service.

Teams are encouraged (up to 4).

Analysis Paper

Analyze two or three real-world business problem situations.

Based on our in-class experience, readings, and discussion.

How To Get An 'A'

In Class

Focus

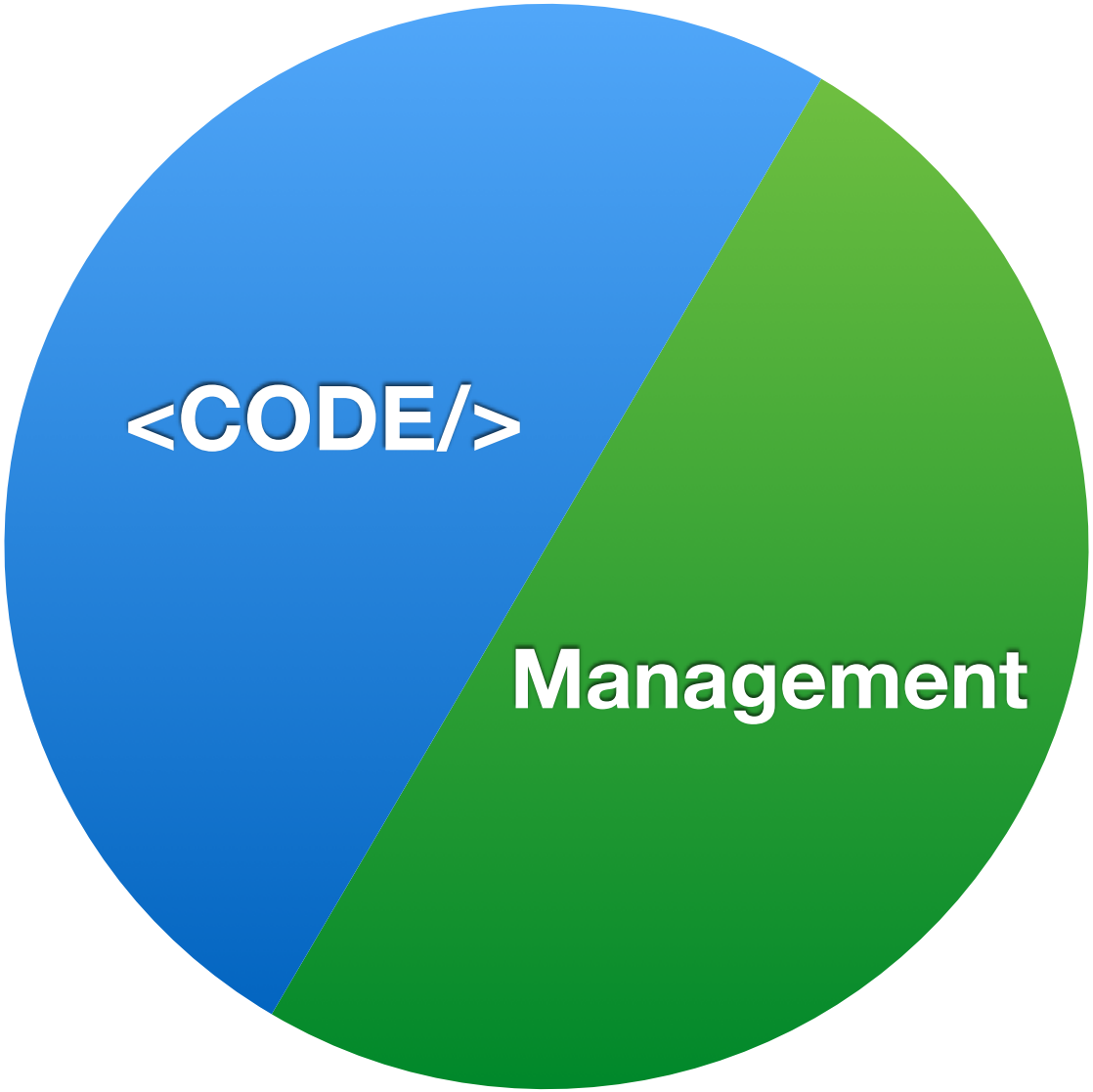
Do Not Worry

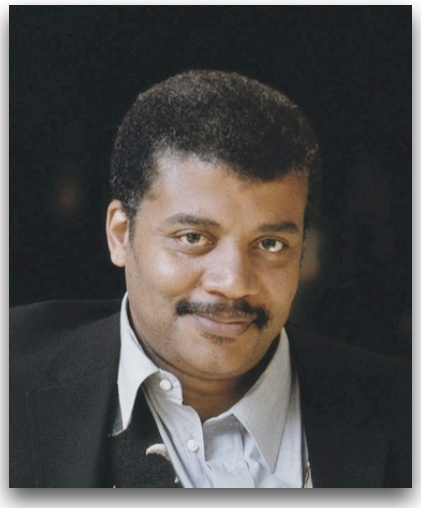
At Home

Collaborate

Experiment

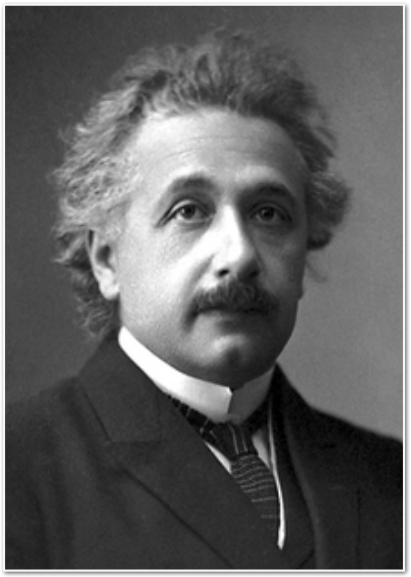
Practice


<CODE/>
Management



Science literacy is less about what you know and more about how your brain is wired for asking questions.

-- @neiltyson 6/26/2013



The important thing is to not stop questioning. Curiosity has its own reason for existing.

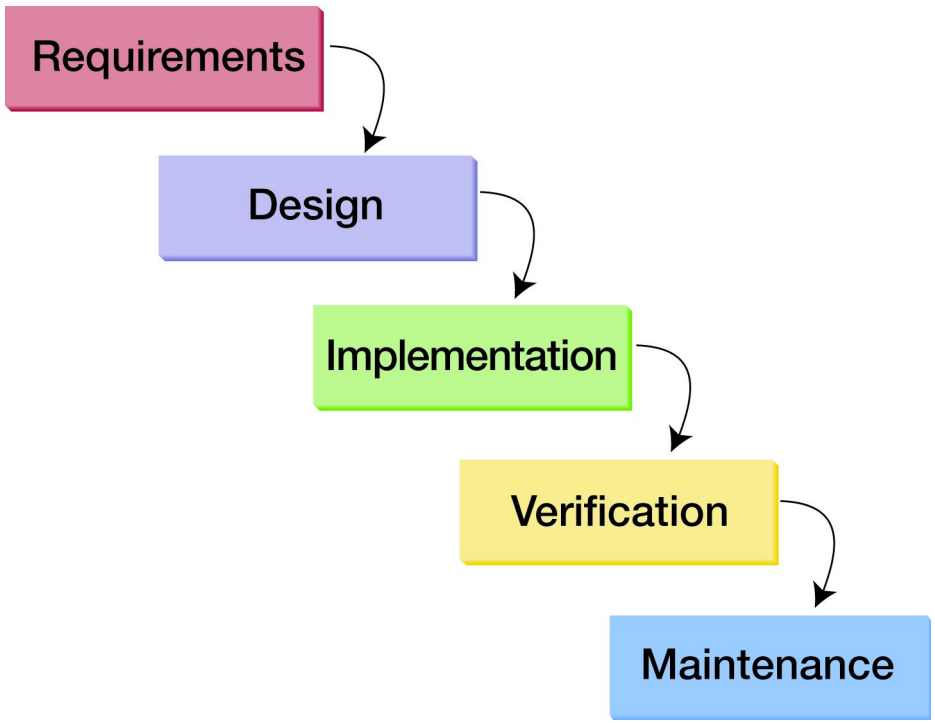
-- @einstein 6/26/1915

Let's Code

Rails Survival Guide for Week 1

- Your code will go under **/app**
- Watch for clues in the **server log**
- HTML files use the special extension **.html.erb**
- Put your CSS in **app/assets/application.css**

Homework Preview


Requirements
Design
Implementation
Verification
Maintenance


Build
Turn ideas
into products
Measure
See how
customers
respong
Learn
Pivot or
persevere

- Lean
- Agile
- GROWS
- Scrum
- Kanban

Traditional Project Management

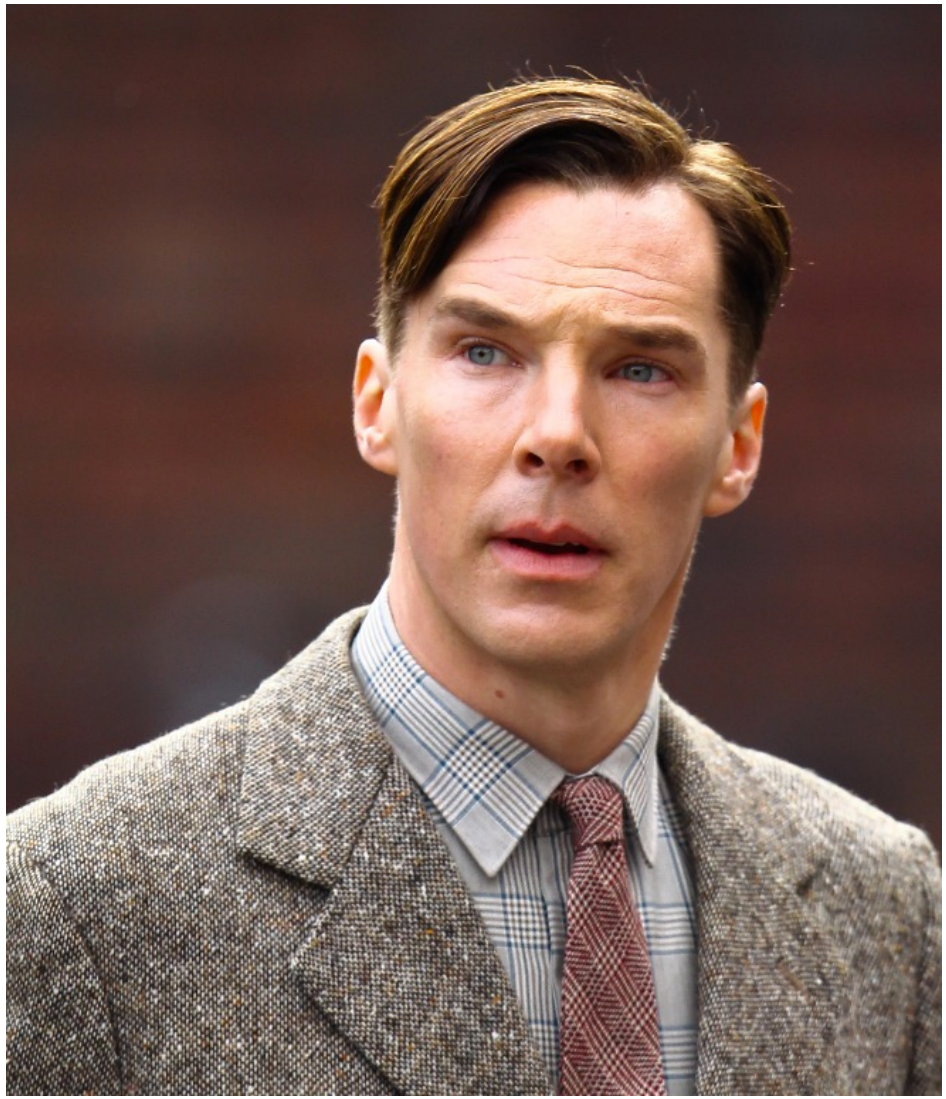
- Planning
- Gantt Charts
- Up-Front Requirements
- Project Manager
- Deliverables
- Sign-Offs
- Chain of Responsibility
- Progress Reports
- Risk Management
- Linear Path

Agile Software Management

- User stories
- Estimation
- Iterations
- Cross-functional teams
- Process Manager
- Prioritization
- JIT Delivery
- Empiricism
- Feedback
- Transparency

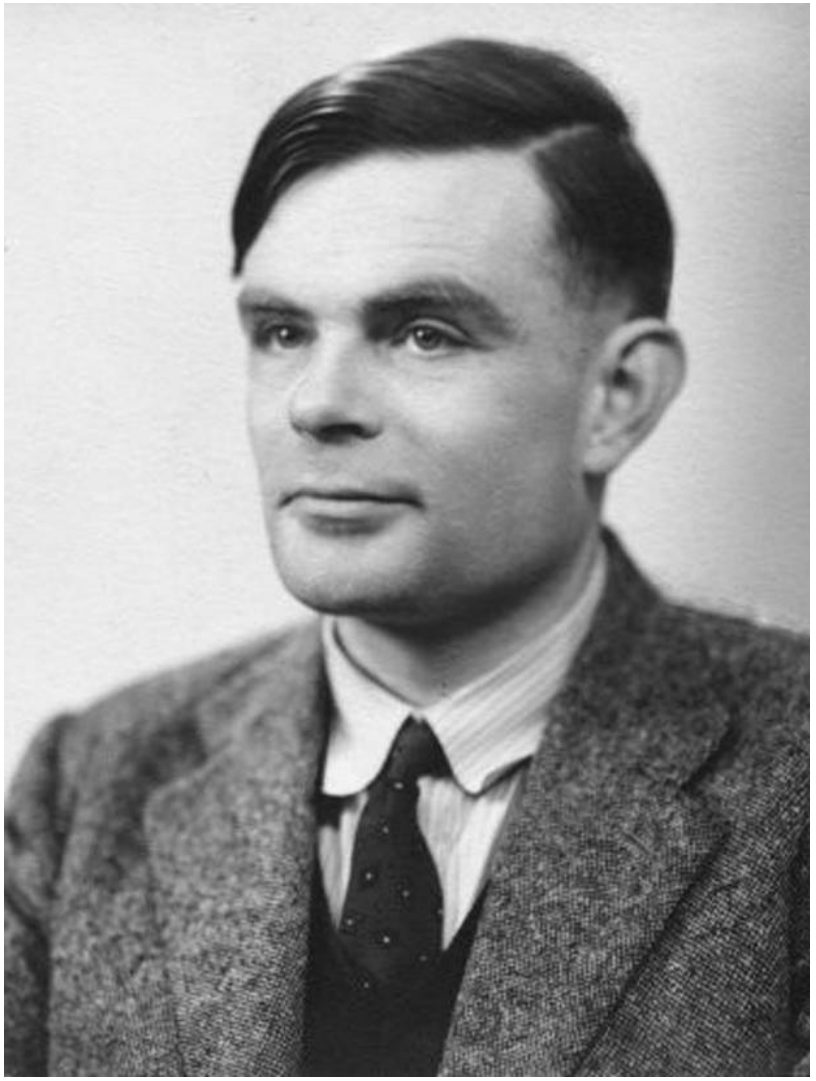
One more thing...

Alan Turing



Alan Turing

Computer science
is not the same as
computer programming



Alan Turing

It's a way of thinking