

Welcome to KIEI-925

Spring 2016



Kellogg
School of Management

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**Do Not Try to Memorize Anything
That You Are About to See or Hear**

Goals for Today

- Make sure you have access to tools
- Get a taste of server-side development
- Draw a wireframe or two



**Office Hours: Tuesdays 4:30 in the Atrium
Also by appointment and online**

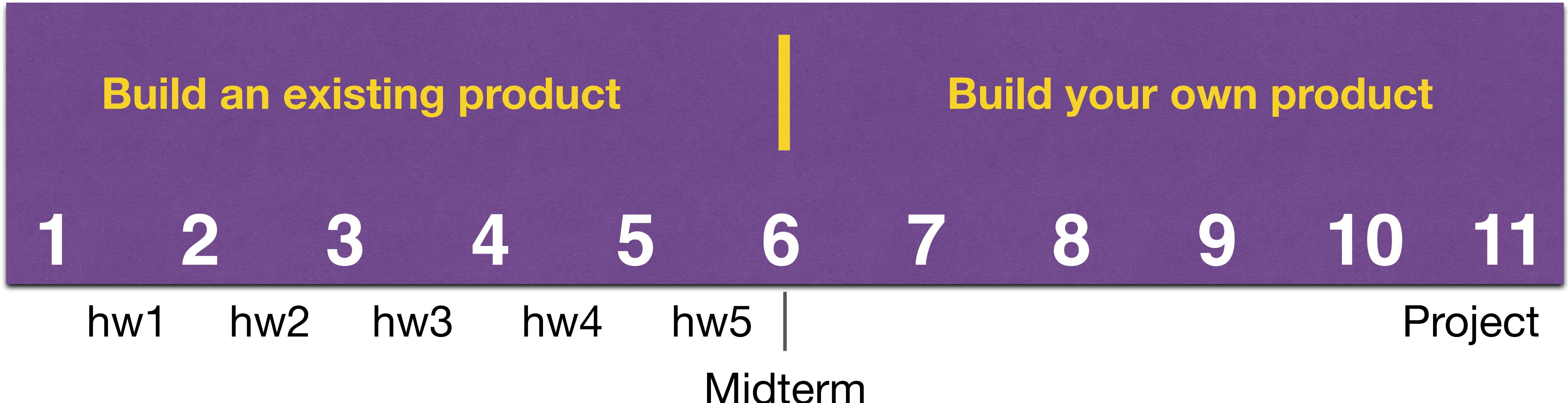
**Discussion on Canvas
Grades on Canvas**

Course Website: golearntocode.com/kiei925-spring16

Class Time

- * We start at 6:30pm sharp**
- * Break from 8:00pm - 8:15pm**
- * Home stretch from 8:15pm - 9:00pm**
- * Lab from 9:00pm - 9:30pm**

Milestones



Homework = 50%
Midterm Exam = 25%
Final Project = 25%

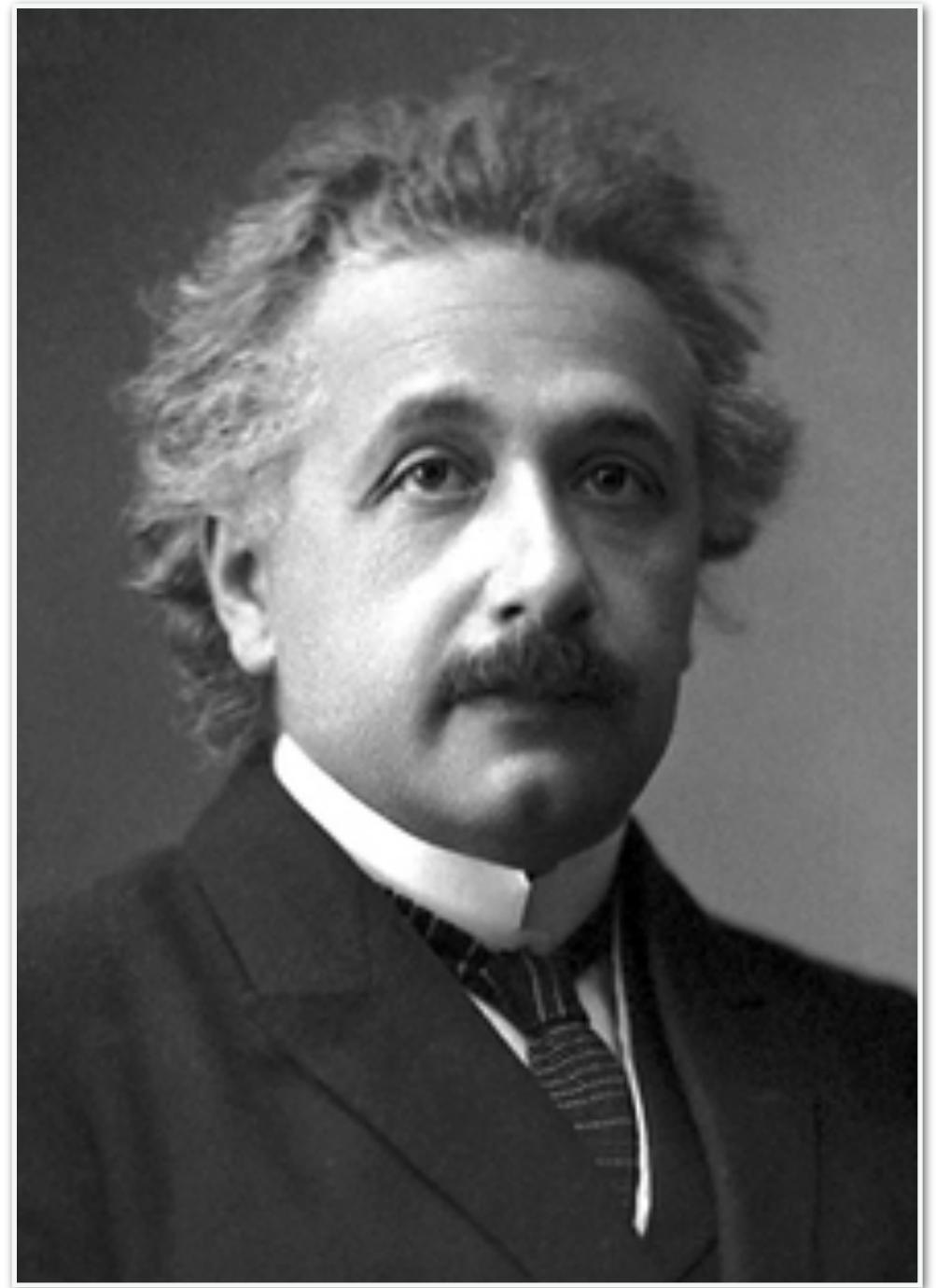
Final Project

- ✿ Minimum Viable Product.
- ✿ Your own product idea. Teams strongly encouraged.
- ✿ Week 3: Ideation Spreadsheet



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

-- @neiltyson 6/26/2013

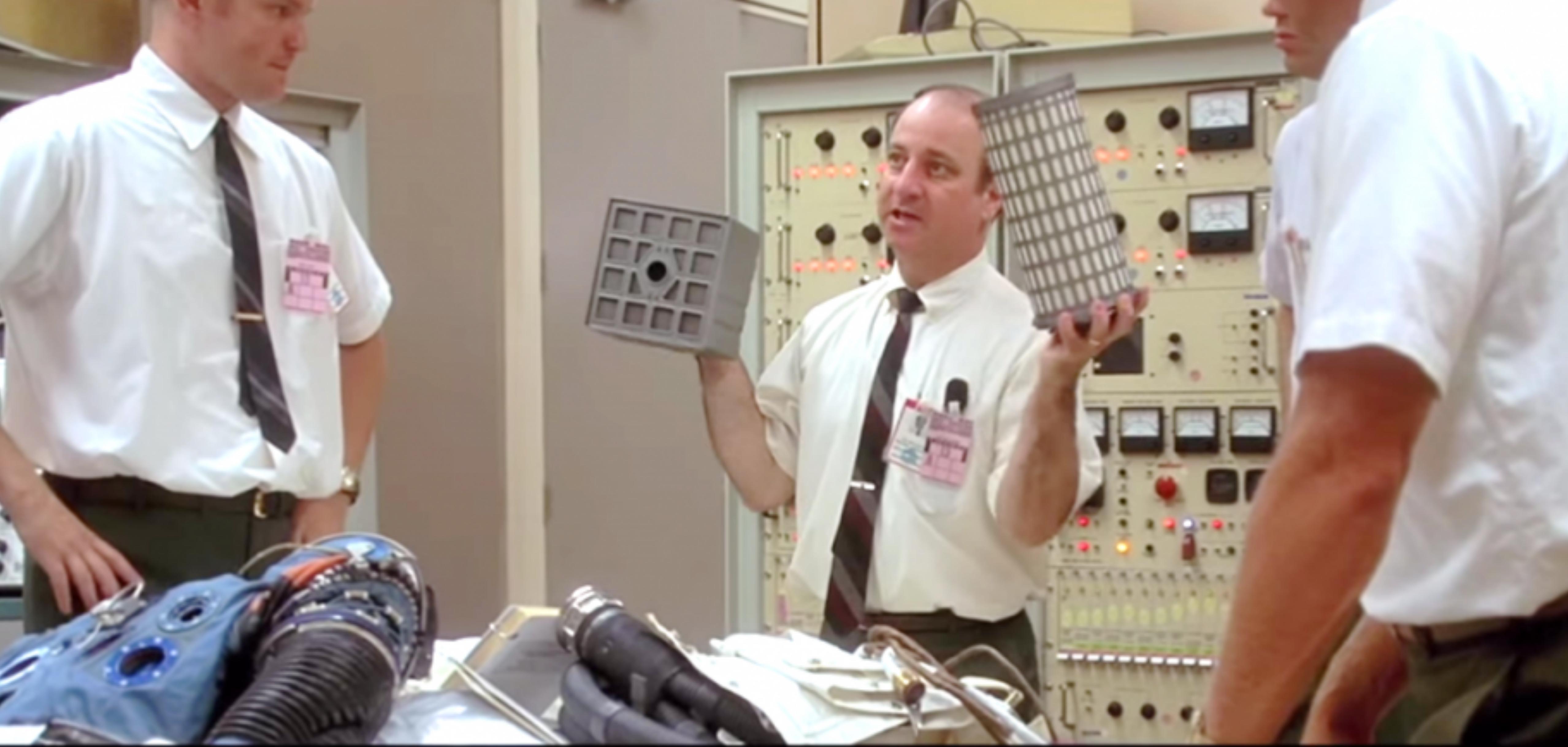


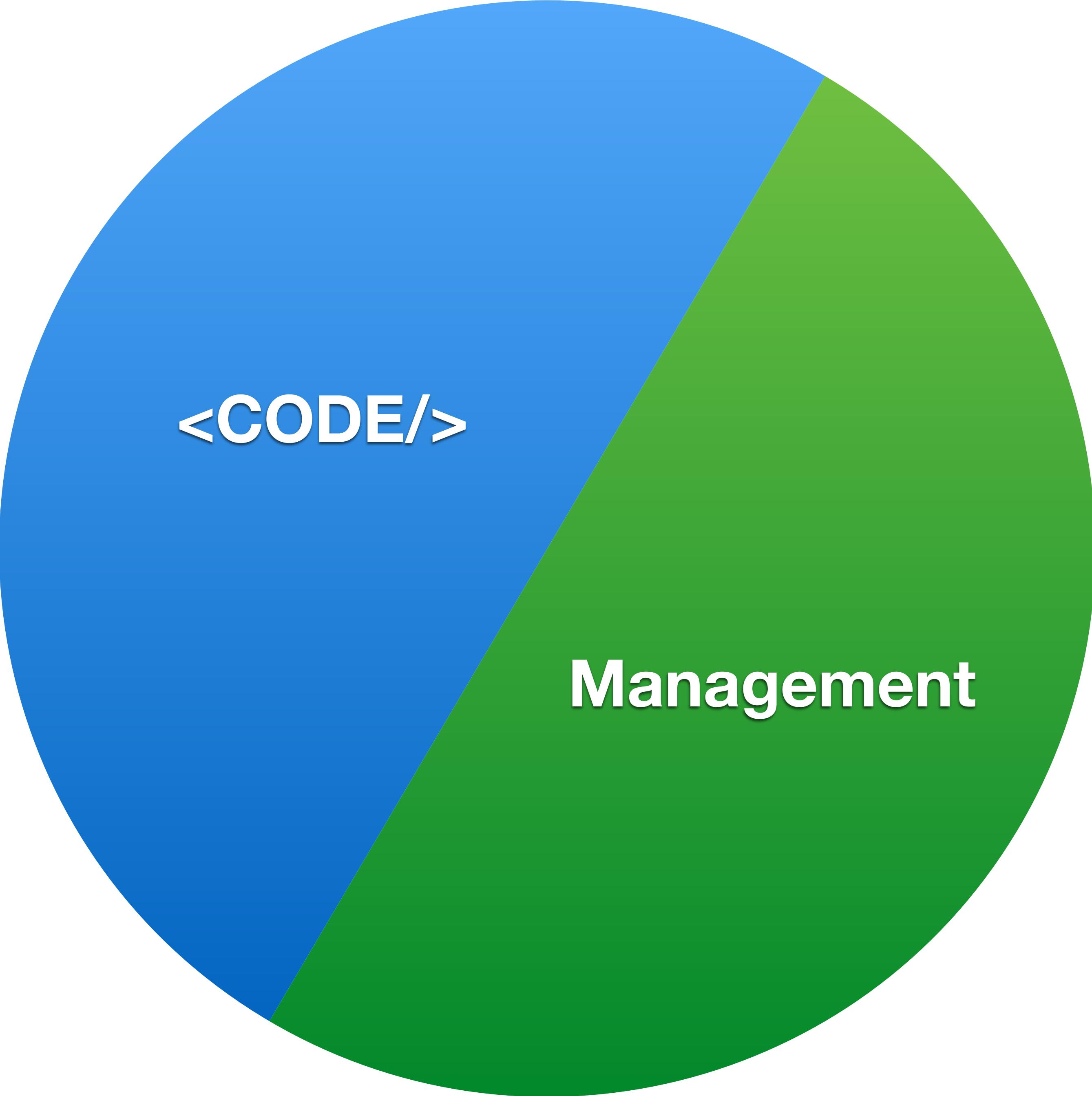
**The important thing is to not stop questioning.
Curiosity has its own reason for existing.**

-- @einstein 6/26/1915



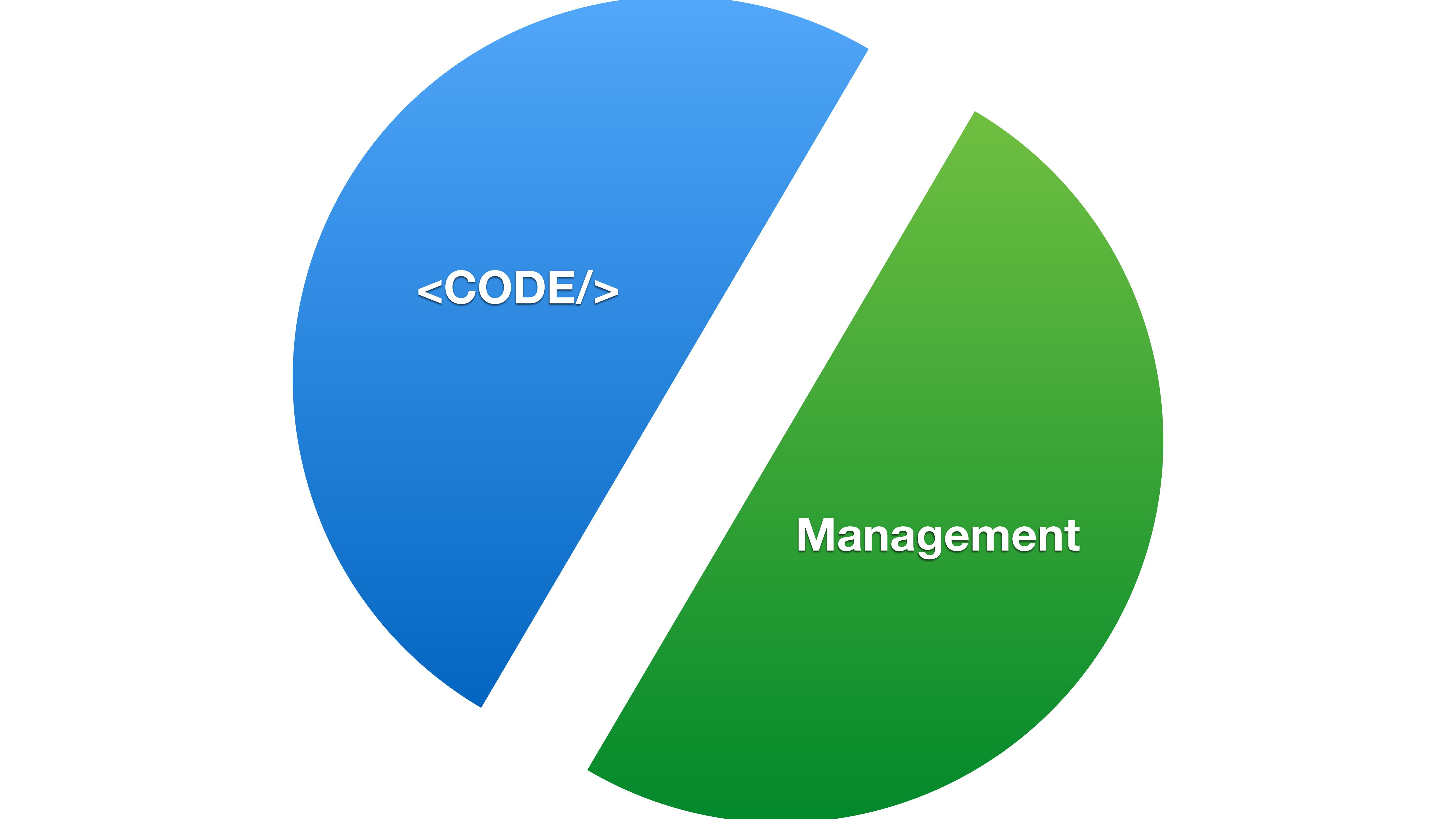






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Key Ideas



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Minimum Viable Product

Resources

URLs



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YOUR ACCOUNT

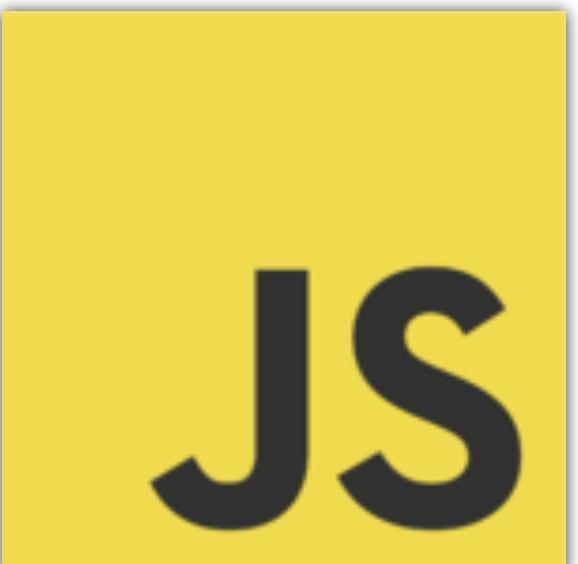
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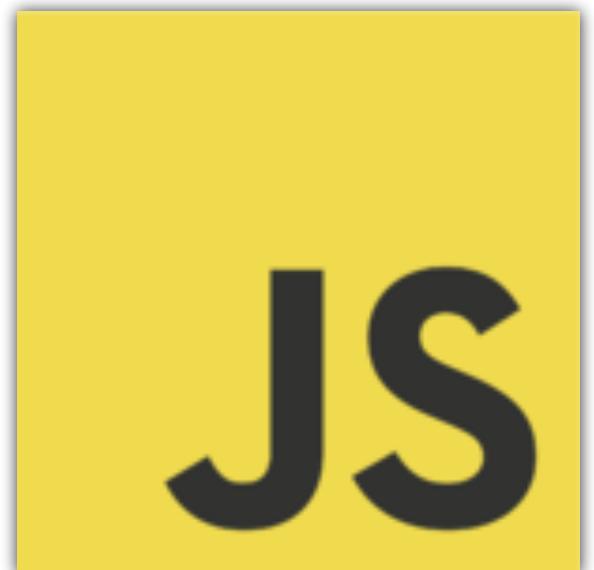
Web Application Development

HTML



CSS





Front-End

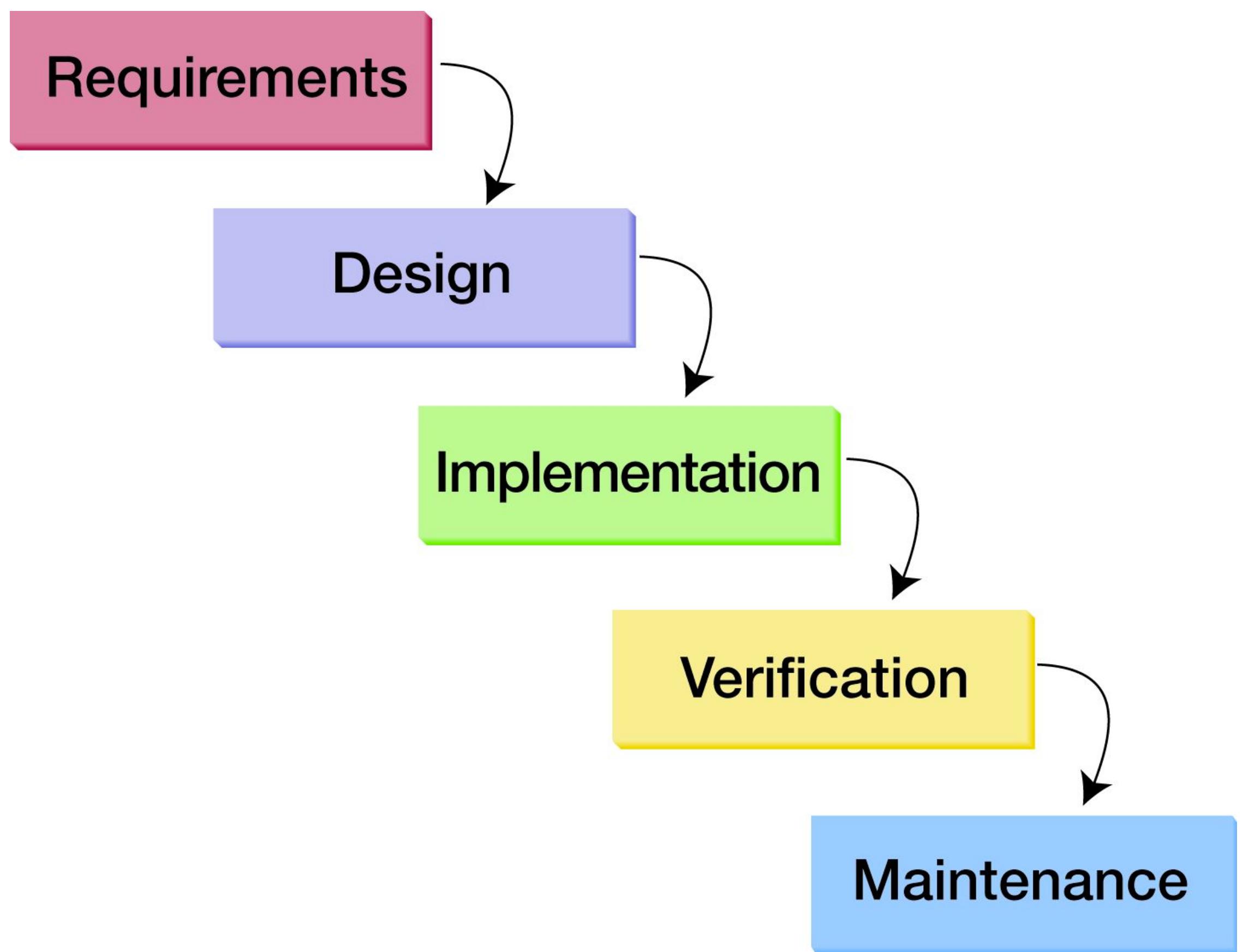
Server-Side



Let's Code

Rails Review

- ⌘ Every web application is a container of *resources*
- ⌘ *Controllers* are Rails-speak for *resource managers*
- ⌘ *Routes* connect a URL to a controller's *view*
- ⌘ HTML files use the special extension `.html.erb`
- ⌘ Put your CSS in `application.css`
- ⌘ The *layout* file `application.html.erb` provides application-wide, boilerplate HTML to be shared across your entire site.





- **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