

Week 1 Lecture 2

Business

Getting Ready

- <http://agilemanifesto.org/principles.html>
- http://en.wikipedia.org/wiki/Agile_software_development

What's in this Lecture?

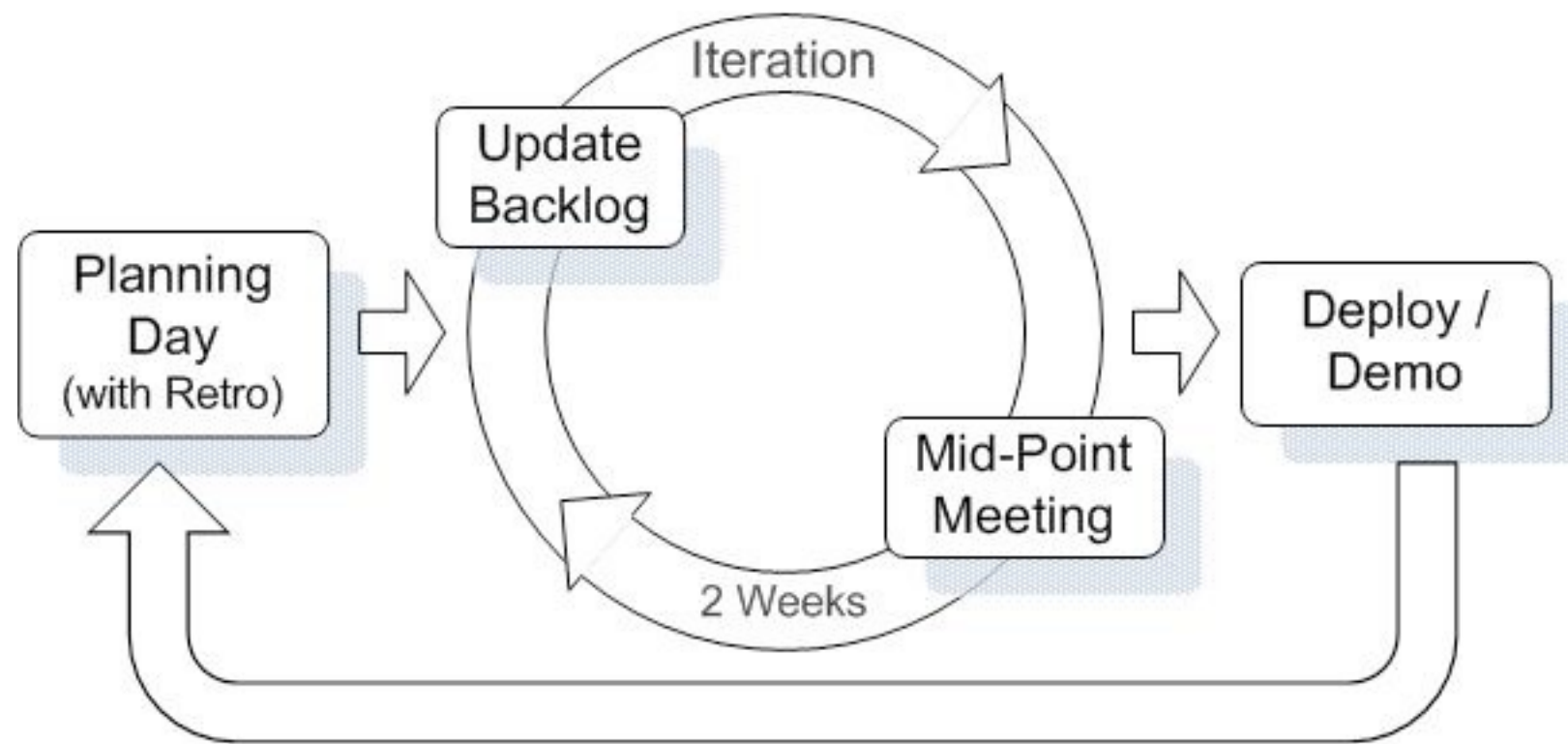
- Understanding the problem Agile solves (from both sides!)
- The Agile process
- How to apply the most important principles to your project

Business Problem:

- Business needs are constantly changing
- Rapid partial-value delivery more important than long-term 'complete' value delivery
- Quality software valued higher than scope

Developer Problem:

- Project requirements change rapidly
- Expectations are not managed by commits
- Being decoupled from business vision
- Schedule!



The Process

The (big) Principles

- Deliver working software
- Embrace new requirements
- Meet face to face, or informally
- Satisfy the customer



**Always Deliver
Working Software**



Build the tool you need

(not just the one you want)

Communicate Constantly

- Daily Stand Up Emails
- Scrums (phone calls or face-to-face)
- Deployment and Feedback

Stand Up Meeting

- What did you do?
- What are you going to do?
- What is blocking you?
- Tip: Be able to answer question ‘What do you need from me?’ for each member of your team

Scrum

- All about the project!
- Cover the backlog
- Incorporate any new information

Demo

- Focus on delivered functionality
- Get feedback on any unmet need
- Ask questions about next iteration's planned work
- Set expectations for next demo

Project Breakdown

- Building off of Lecture 1:
 - Ask: What is a shippable component?
 - Strive for 2 week chunks of functionality
 - Communicate your plan
 - Execute!

Extra Credit

First Iteration of a Project

- Write out the first iteration's high-level goals for the following 6-week project. Cover what you plan to demo and the top three questions you need to ask your client before starting work.

“We want you to write and integrate a custom blogging system for our website. Eventually we want the ability for our users to comment, but the main priority is to allow us to start communicating through a company blog.”