



Class 2: Project Management!

It's not as bad as it sounds.

Office hours!

Tuesday 1-4 PM...

Except next week when it'll be Monday 12-3!

On Floor 7.

Right on.

Project Management!

Reaching a goal in an imperfect world characterized
by constraints

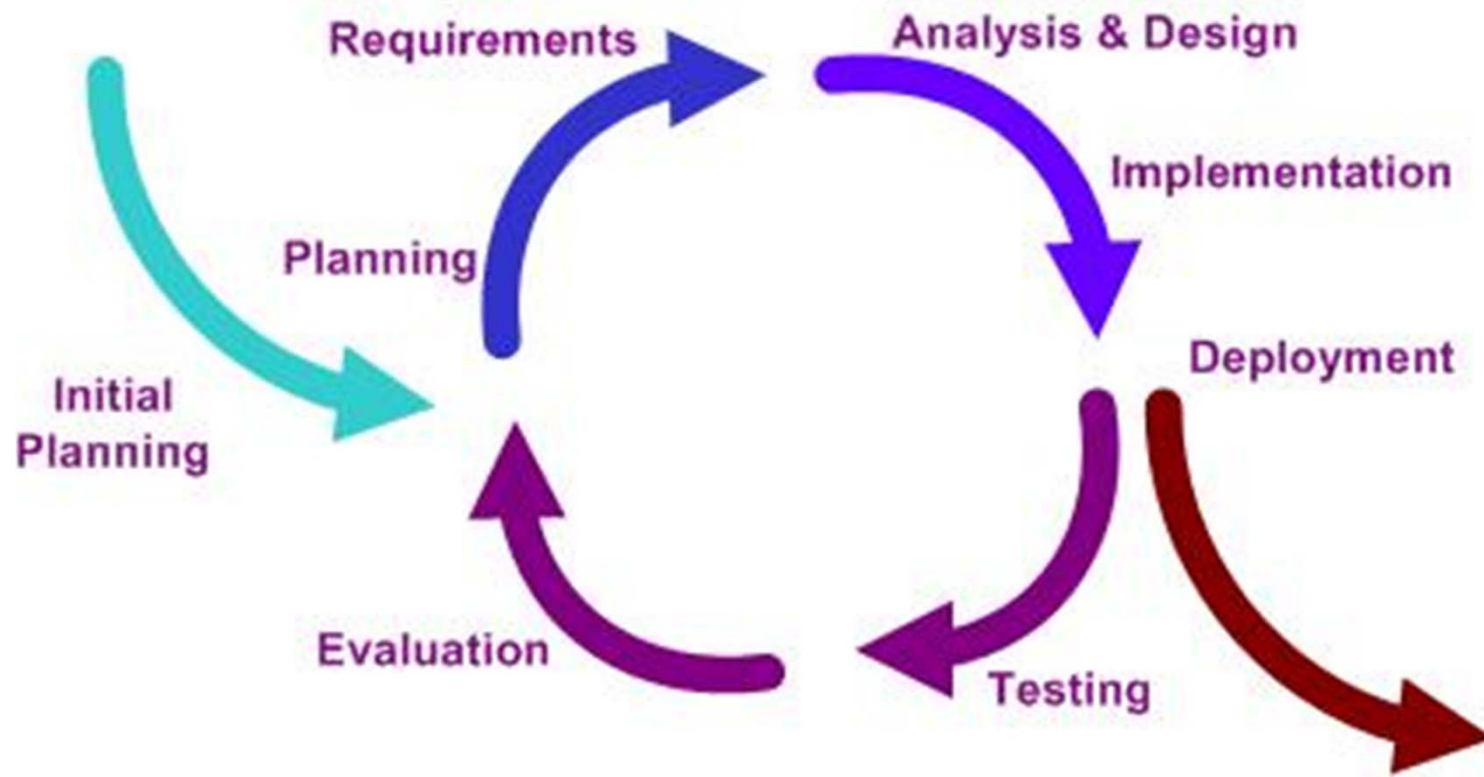


Some Constraints!

- Time
 - Start and end points
 - Doing things takes time
 - Only 24 hours in a day
- Resources
 - People
 - Money
 - Skills
- Scope!
(what we can reasonably hope to accomplish)

Dealing with 'people' constraints: defining roles!

- **Project lead** – Ruth! She's our boss!
- **Team Leads**
 - Schedules meetings
 - -Tracking progress
 - Scrapping ideas
- **Documentation person**
- **User Advocate**
 - Keeps the tech usable
 - Keeping it sized right
 - Keeping it accessible to folks with disabilities!



Initiation!

- Understand the problem
- Identify the team
- Define the scope to guard against...

FEATURE CREEP

Dealing with time constraints

Planning: Requirements!

Deliverables: Outputs from each stage of a project

IE: A list of Requirements

- » Must be wooden
- » Must be less than 5 lbs to stay on the tree
- » 5 inches by 5 inch interior
- » Little foot thingy for the bird to stand on
- » Hole too small for a squirrel to enter
- » Weatherproof, no-lead paint

Planning: Project plan(AKA, the WBS)!

- 1. Scout Location
 - 1.1 Scope out location
 - 1.2 Get mom’s approval to mess with a tree
 - 2. Get Materials
 - 2.1 Create list of materials
 - 2.2 Drive to Home Depot
 - 2.3 Select wood
 - 2.4 Select nails
 - 2.5 Select paint and brushes
 - 2.6 Select hammer
 - 2.7 Pay for materials
 - 3. Build
 - 3.1 Measure and cut wood
 - 3.2 Paint wood
 - 3.3 Allow to dry
 - 3.4 Assemble
 - 4 Install
 - 4.1 Climb tree
 - 4.2 Nail into place
- | | <i>Time it will take</i> | <i>Responsible</i> |
|----------------------------|--------------------------|--------------------|
| – 3.1 Measure and cut wood | – 1 hour | – 3.1: Fred |
| – 3.2 Paint wood | – 1 hour | – 3.2: Joe |
| – 3.3 Allow to dry | – 5 hours | – 3.3: Me |
| – 3.4 Assemble | – 2 hours | – 3.4 Everyone |

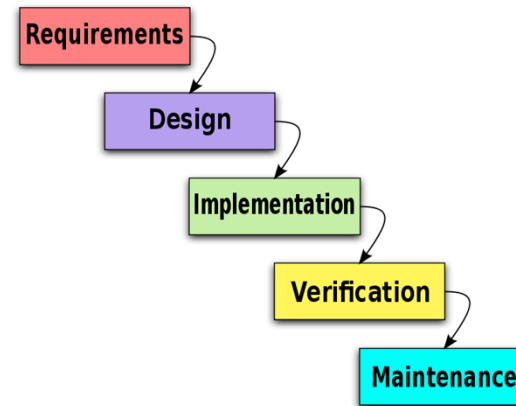
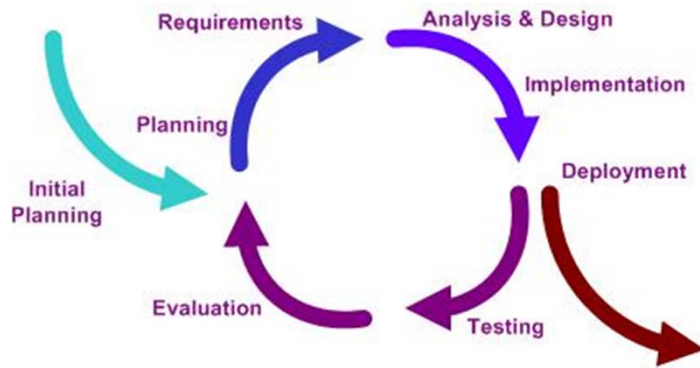
Execute and Build

- Do the tasks you developed in the WBS
- Do them according to the WBS
- Do them in any order that still works
- Do be honest about what you do!

Review/Monitor/Control/Closeout

- Test stuff before it's completed (and after it's completed!)

Making traditional project management work with Agile



This week

(if you've solidified your scope)

- Make a project plan
 - *Write down every step you'll need to take*
 - *Give it a time*
 - *Assign it to a group member*
- Produce something testable!
 - *This is agile after all...*
- Does your project plan say you're missing any skills?
 - *Bring in a list!*