AGILE PROJECT MANAGEMENT

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THE BASICS

• What does “Agile Project Management” mean?
  – Focus on continuous improvement
  – Scope flexibility
  – Team inputs
  – Delivering in quality projects
  – Ability to get things done quicker

• Where did the idea come from?
  – Bell Labs Plan-Do-Study-Act (PDSA)
    • “Rugby” approach
METHODOLOGIES

• **SCRUM**
  – Focus on creative and adaptive frameworks
  – Most commonly used

• **Lean Development**
  – Elimination of waste

• **Kanban**
  – Decreasing work times
SCoRUM

- Sutherland & Schwaber coined the term in 1995
- Can be applied to any project
- 3 main roles
  - Product owner
  - Development team
  - ScrumMaster

- Workflow
  - Product backlog
  - Sprint planning
  - Sprint backlog
    - Daily SCRUM meetings & sprints
  - Potential end product
KANBAN

- Visualize the workflow
  - Easy to track
- Measures lead time
- Continuous improvement
  - Use of visuals
CLASS ACTIVITY

In groups of 2-3 build a Kanban Board for a Pizza Company
KANBAN - PIZZA EXAMPLE

- **Call Received**
  - Pepperoni for Jones
- **Prep**
  - Extra Cheese for Smith
  - Peppers for Davis
  - Anchovies for Thomas
- **Cooking**
  - Veggie for Han
- **Finishing**
  - Chicken for George
- **Ready**
  - Meat Lovers for Anderson
WHO SHOULD USE AGILE MANAGEMENT

• Very effective for anyone seeking breakthrough innovations
• Most effective and easiest to implement with conditions similar to software innovation
  – Complex problem, solutions unknown, product requirements likely to change, rapid feedback
• More extreme cases Agile has been used for
  – Family’s
  – Education
PROS & CONS OF AGILE METHODOLOGIES

• Team members are fully integrated
  – Greater culture in the organization
  – Increased fulfillment and pride in work
• Full transparency is needed for Scrum
  – See results quickly and resolve problems quickly
HOW TO IMPLEMENT AGILE METHODOLOGIES

1. Make sure management fully understands how Agile really works
2. Understand where Agile works best
3. Start small
4. Understand then customize
5. Start at the top
QUESTIONS? THANK YOU!

• Does anyone have any experience using Agile methodologies?
  – How did it go? Does your company still use it?
REFERENCES


