Chapter 7 – Management Practices for Software

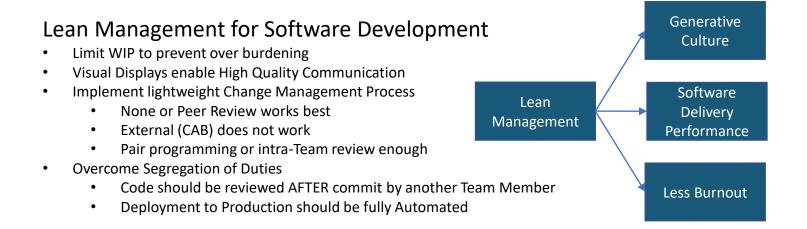
Lean Philosophy adapted to Software Development in "Lean Software Development" Poppendieck (2003)

Lean Management Practices

- 1. Limiting Work In Progress (WIP)
- 2. Visual Displays for:
 - Key Quality Metrics
 - Key Productivity Metrics
 - Current Status of Work
- 3. Using Performance and Infrastructure Data
 - To make Daily Business Decisions

Lean Management

- Limit Work-in-Progress (WIP)
- Visual Management
- Feedback from Production
- Lightweight Change Approval



Chapter 8 – Product Development

Faux Agile Practices

- Follow Common Practices
- Ignore Organizational Culture and Practices
- Grouping work into Larger Projects
- Not gathering Customer Feedback until the end

Focus on Lean Startup

- Frequently test Product with User Research
 - Its Design
 - Its Business Model
- Emphasis Experimentation into the product development process
- Work in small batches
- Make Flow of Work visible
- Gather and Implement Customer Feedback
- Team Experimentation

Lean Product Development Practices

- Focus on working on Features that can be Completed within less than 1 week
 - Including MVPs
- 2. Ensure that the Team has good Visibility in the Flow of Work through to the Customer
- Seek Customer Feedback and incorporate it into Product Design
- 4. Give Teams Authority to make changes to the Product

Virtuous Cycle

- Improved Software Delivery enables Better Lean Management Practices
- Working in Small Batches is key
 - Reduced cycle times leads to faster learning