AGILE: YOU KEEP USING THAT WORD…

Philip Japikse (@skimedec)
skimedec@outlook.com
www.skimedec.com/blog
Microsoft MVP, ASPInder, MCSD, MCDBA, CSM, PSM II, PSD
Consultant, Teacher, Writer

All slides copyright Philip Japikse http://www.skimedec.com
Phil.About()

➢ Director of Consulting/Chief Architect
➢ Speaker: http://www.skimedic.com/blog/page/Abstracts.aspx
➢ Microsoft MVP, ASPInsider, MCSD, MCDBA, CSM, PSM II, PSD
➢ Founder, Agile Conferences, Inc.
  ➢ http://www.cincydeliver.org
➢ President, Cincinnati .NET User’s Group
AGILE MANIFESTO

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

- **Individuals and interactions** over processes and tools
- **Working software** over comprehensive documentation
- **Customer collaboration** over contract negotiation
- **Responding to change** over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

http://agilemanifesto.org
SCRUM

➢ Scrum is a framework for developing complex products and systems based on:

➢ Transparency
➢ Inspection
➢ Adaption
THE SCRUM FRAMEWORK
ITERATIONS/SPRINTS

http://www.3dshop.org.uk/images/tardis.jpg
SPRINT PLANNING
DAILY SCRUM
SPRINT REVIEW IT’S NOT JUST A MEETING
SPRINT RETROSPECTIVE
SCRUM ROLES (3)
SCRUM MASTER
PRODUCT OWNER
PRODUCT BACKLOG – THINK REQUESTAMENTS
INCREMENT OF DONE WORKING SOFTWARE
EXTREME PROGRAMMING

- eXtreme Programming improves software development through:
  - Communication
  - Simplicity
  - Feedback
  - Respect
  - Courage
THE TECHNICAL SIDE OF SCRUM

➢ Four core Activities
  ➢ Coding, Testing, Listening, and Designing

➢ Four core Values
  ➢ Communication, Simplicity, Feedback, Courage, and Respect

➢ Three core Principles
  ➢ Feedback, Assume simplicity, Embrace change,

➢ Twelve core Practices
XP PRACTICES

➢ Fine scale feedback
  ➢ Pair Programming
  ➢ Planning game
  ➢ Test driven development
  ➢ Whole team includes customer

➢ Continuous Process
  ➢ Continuous Integration
  ➢ Design improvement - Refactoring
  ➢ Small releases

➢ Shared Understanding
  ➢ Coding standards
  ➢ Collective code ownership
  ➢ Simple design
  ➢ System metaphor

➢ Programmer Welfare
  ➢ Maintain a sustainable pace
AGILE SOFTWARE ENGINEERING

WHEN YOU DON'T PAIR
It makes pandas sad
THE PLANNING GAME

- Release Planning
  - Exploration – List all of the requestaments (stories)
  - Commitment – Commit to “big rocks” and release date
  - Steering – adjusting the release plan through the life of the project

- Iteration Planning
  - Exploration – Requestaments distilled into tasks
  - Commitment – Estimates determined
  - Steering – adjusting to match the original story
TDD/BDD

Safety blanket

Ai has one

http://icanhascheezburger.com/2008/10/22/funny-pictures-safety-blanket-ai-has-one
CONTINUOUS INTEGRATION / CONTINUOUS DEPLOYMENT

- Code
- Integrate
- Build
- Test
- [Deploy]
LEAN / KANBAN
KANBAN

- Translated means “signboard” or “billboard”
- Inspired by Lean and the Toyota Production System
- Leverages Work In Progress (WIP) limited pull system
- Four basic principles
  - Start with existing process
  - Agree to pursue incremental, evolutionary change
  - Respect the current process, roles, responsibilities, and titles
  - Leadership at all levels
PRINCIPLES

Lean
➢ Eliminate Waste
➢ Amplify Learning
➢ Decide Late
➢ Deliver Early
➢ Team Empowerment
➢ Build Quality In
➢ See the whole

Kanban
➢ Start with existing process
➢ Pursue Incremental, Evolutionary change
➢ Respect the current process, roles, responsibilities, titles
➢ Leadership at all Levels
KEY TERMS

Work In Progress (WIP) Limits
➢ Max number of items in any one column
➢ E.g. Testing
➢ When column is full
➢ Team swarms to clear road blocks
➢ Limits can be adjusted

Lead/Cycle Time
➢ Lead time
➢ Time from request to delivery
➢ Cycle time
➢ Time from work started to deployment
YOU KEEP USING THAT WORD
I DON'T THINK YOU KNOW WHAT IT MEANS
WHAT IS AGILE REALLY?

➢ Transparency
➢ Collaboration
➢ Rapid feedback
➢ Continuous improvement/Eliminating Waste
TRANSPARENCY
“A LACK OF TRANSPARENCY RESULTS IN DISTRUST AND A DEEP SENSE OF INSECURITY.”

DALAI LAMA
BE BRUTALLY HONEST
PROVIDE FULL DISCLOSURE WHenever POSSIBLE
MAKE WORK, STATUS, RESULTS VISIBLE AT ALL TIMES
COLLABORATION
In the long history of humankind (and animal kind, too) those who learned to collaborate and improvise most effectively have prevailed.

(Charles Darwin)
IT’S NOT HUMAN BATTLE CHESS
BE AGILE IN YOUR COMMUNICATIONS
DAILY STANDUP
PAIRING

http://blogofpaul.merecomplexities.com/articles/165
CROSS TRAINING IS KEY
GET RID OF THE TABLE
RAPID FEEDBACK
There are no failures - only feedback.

— Richard Bandler —
TEST DRIVEN DEVELOPMENT
DEVELOPERS – UNIT TESTING/CONTINUOUS INTEGRATION
QA - IN-SPRINT TESTING
STAKEHOLDERS, USERS - SPRINT REVIEW
CONTINUOUS IMPROVEMENT
To improve is to change; to be perfect is to change often.

-Winston Churchill
FOCUS ON SIMPLICITY

CITY PARKING
LIMITED TO
EVEN # SIDE ON EVEN # MONTHS
ODD # SIDE ON ODD # MONTHS
APR. THRU SEPT.
EVEN # SIDE ON EVEN # DAYS
ODD # SIDE ON ODD # DAYS
OCT. THRU MAR.
ALTERNATE 10AM
CAN AN 8 YEAR OLD UNDERSTAND IT?
ELIMINATE WASTE
HAVE REGULAR RETROSPECTIVES
MAKING THE TRANSITION
CHANGE HAPPENS

SUDDENLY, AN OVEN
IT CAN BE MADDENING
SO WHAT SHOULD YOU DO?
DON’T UNDERESTIMATE THE POLITICS
DON'T FORCE IT
THERE’S NO SILVER BULLET – IT TAKES TIME
YOU NEED TO “BE” AGILE, NOT “DO” AGILE
IT’S A JOURNEY, NOT A DESTINATION
The pessimist complains about the wind,
The optimist expects it to change,
The realist adjusts the sails.

- William Arthur Ward
SURVIVE THE WATERFALL
CHANGE YOUR JOB OR CHANGE YOUR JOB
Contact Me
skimedic@outlook.com
www.skimedic.com/blog
www.twitter.com/skimedic


www.hallwayconversations.com

Questions?

Thank You!