Scrum & Kanban

Nayeem Ahmad, CSP COO at CTrends

Scrum?

Scrum is a framework within which people can address complex adaptive problems, while productively and creatively delivering products of the highest possible value. ---- Scrum.org

Scrum is an agile framework for managing work in an iterative way. With an emphasis on software development.

Kanban?

Kanban is a lean method to manage and improve work across human systems.

This approach aims to manage work by balancing the demands with available capacity, and improving the handling of system level bottlenecks.

Kanban in a nutshell

Visualize the workflow

Split the work into pieces, write each item on a card and put on the wall Use named columns to illustrate where each item is in the workflow.

Limit WIP (work in progress):

assign explicit limits to how many items may be in progress at each workflow state.

Measure the lead time (average time to complete one item, sometimes called "cycle time"),

Optimize the process to make lead time as small and predictable as possible

Compare tools for understanding, not judgement



Which one is better?

More prescriptive More adaptive Do Whatever RUP XP Kanban Scrum (120 +)(13)(9) (3) · delinate believe Salves are precisely Sur Inser Seriger Sur Inser Claster Surincer Sur Inser Present Unity of Surince Seriger Sanue Meson · Visualiza de cabillos - Distance Surfress season man - Paster Dome Team Laim planning making Sally Securi George condesi - Limb SCIP - Venture and approvious alone But Iren's 1 liter Compared south · Carlossina access ha

Epire soler Peaker barbley

Apriles basefular.

- Commercial

- Not programming
- Notice only
- Remaining parties
- Generalist Integration

Livering size in a for all white man

- Livel winner

Owner Great Manager
Gast No. 1010
Gast No. 1010
Gast Springer
Gast Springer

Gentler a Gerligeer Gentler mann Manager Gentler fen lander

Service only

MATERIAL PROPERTY.

Personal Degrees

Pales Veneza

Pages Reviewer

System designs Sectional II des Sectionity

Total Geological Total Geological Total Geological

PRINCIPAL PRINCI

- Laurimotion Deligne

Garrierowani produca

Garage, Visitely, altravious, or prof-

Councile design Counciles (pr Communications of procine)

Section de l'or Secritor de résulter Secritor de services confeques

Solymor partigor and have Solymor partigor painted Solymor payment painted bandy design elected.

Drugger the Impartmental Property

democracy prophylysers on Nil of magnitude

harms making plains Sua lessa attica essar

he free enthrough donners

laterally also by mediumbers. increases an ignitioning

Printing use come Perfect the arminease

Recisio de design

Euler partiers planting

Aresme in a Contract delay

Sections your

Surfrees name .

Pagulament Recipios - Regularrama Equalities - Earlinean carbones - Earlinealdes - Epitami carboni seaso Serfquester management altra Serie maniel Serie man main!

September plant

Series guidelines Series madel Series mercer series

Scalar magazinada SECTION AND PERSONS.

Draftscart support Propries

Implementation make

in selector and lean

inappeller build plan

Quarter annumeropies Spineres prefrances Reference mason.

free-leaves persons femiliare. Perfect money

Na.h management sales

labor arrivers.

falces in corres fallows replacement and later

Contractor was as in

Telepo promission againment est supremier perforage Text cones The same and same Terrestation screen.

Tens imprison a positivation

Danie sensenwer. Conference to her series Supplementary specification

Ten guitalines.

Test publishes Testing magnitude Character makes

Charleson garage Chartes made regulating

Service make and

Chartena merchanis

Commenter president

It without every is in result.

"annables

* But wer

"managher

Wate Day

Special property and lenerar plan Versal sylegular Pagamento guidelines

Scrum & Kanban: Similarities...

- Agile
- 2. Process Tools
- 3. Good for small teams
- 4. Works great for software development
- 5. Both empirical
- 6. Both allows working on multiple products simultaneously

Scrum & Kanban: Differences...

- Scrum has roles. Kanban doesn't
- 2. Scrum limits WIP/iteration. Kanban limits WIP/state
- 3. Scrum resists change within iteration. Kanban doesn't restrict.
- 4. Scrum-boards are reset after sprint. Kanban-board is persisting.

Scrum & Kanban: Differences...

- 1. In Scrum, cross-functional team is important. In Kanban, it isn't.
- 2. In Scrum a board is owned by a team. In Kanban board is per workflow.
- 3. In sprint, items to be small enough to fit in. In Kanban, it's not necessary.
- 4. In Scrum, team velocity used for estimation. In Kanban, it's difficult.

Summary

Try to use both Scrum and Kanban as and where appropriate.

Scrum is suitable when there is a minimum duration of stability in requirement.

Kanban is suitable where things can not be planned and are of sporadic nature.

Q&A

Thank You