



Everyday Agile for One

Recipes that Make Development for One... Fun!

Elsa Vezino, #MDC2018





"Chicken of the Woods" mushroom egg crêpe with sour cream, fresh dill and Hawaiian black lava salt



“Real Agile projects are iterative”



“Scrum and Agile are the same thing”



“Our results will be better if we are Agile”



Agile Manifesto

Individuals and interactions
over processes and tools

Working software
over comprehensive documentation

Customer collaboration
over contract negotiation

Responding to change
over following a plan

Agile Manifesto

- Our highest priority is to **satisfy the customer** through **early and continuous delivery of valuable software**.
- Welcome **changing requirements**, even late in development. Agile processes harness change for the customer's competitive advantage.
- **Deliver working software frequently**, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
- Business people and developers must **work together daily** throughout the project.
- Build projects around **motivated individuals**. Give them the environment and support they need, and trust them to get the job done.
- The most efficient and effective method of conveying information to and within a development team is **face-to-face conversation**.
- **Working software** is the primary measure of progress.
- Agile processes promote **sustainable development**. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
- Continuous attention to **technical excellence and good design** enhances agility.
- **Simplicity**--the art of maximizing the amount of work not done--is essential.
- The best architectures, requirements, and designs emerge from **self-organizing teams**.
- At regular intervals, the team **reflects** on how to become more effective, then tunes and **adjusts** its behavior accordingly.

Workflow

- Accumulate new tasks
- Prioritize
- Estimate
- Status
- Re-evaluate

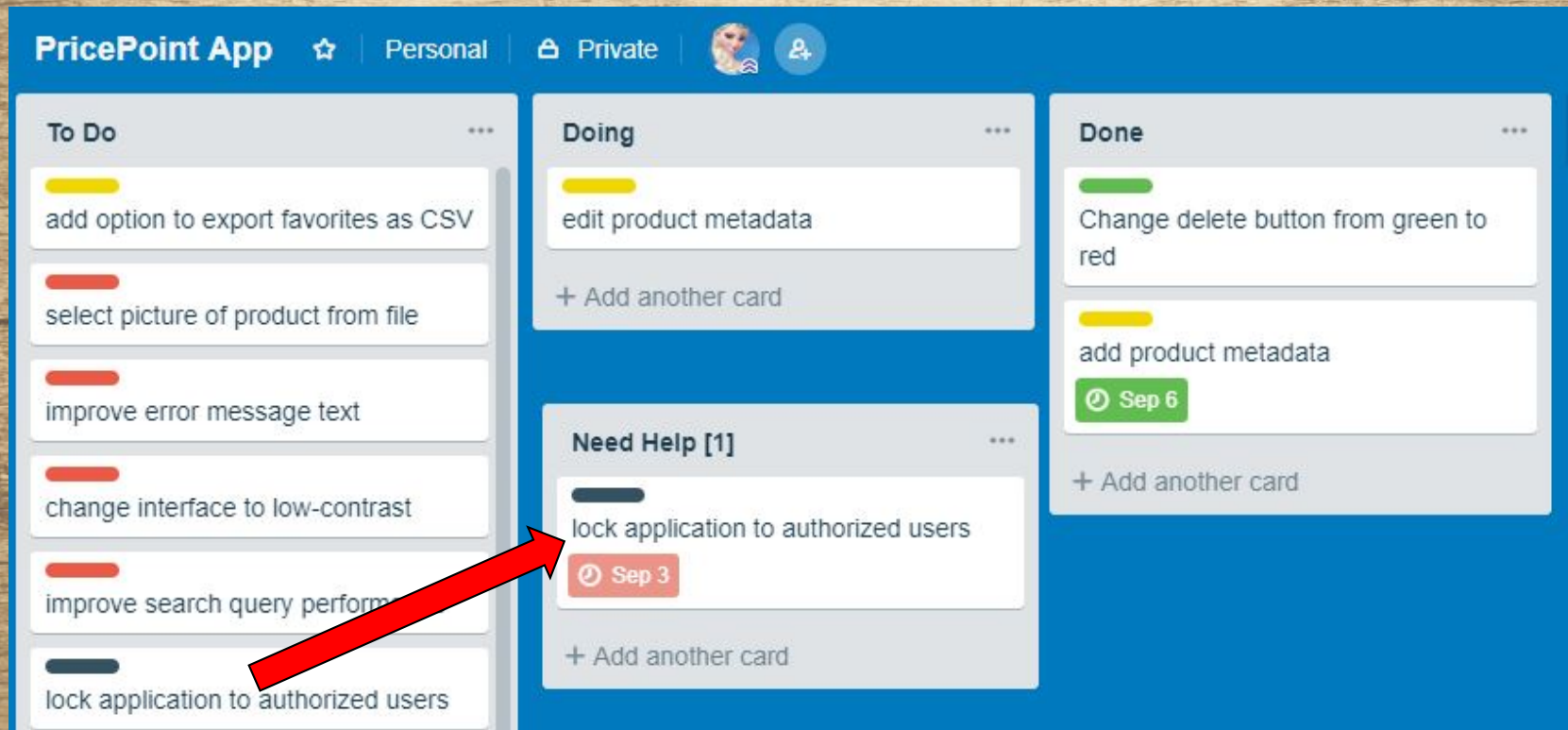
Kanban

The image shows a Trello Kanban board titled "Juicy Lucy". The board is set to "Personal" and "Private". It features four columns: "To Do", "Doing", "Done", and "Waiting".

- To Do:** Contains two cards: "Weigh ground beef" and "Create burger patty".
- Doing:** Contains one card: "Prepare cheese". It has a progress indicator of "0/2".
- Done:** Contains one card: "Create breadcrumbs".
- Waiting:** Contains two cards: "Warm egg to room temperature" and "Defrost ground beef".

Each column has a "+ Add another card" button at the bottom. The board interface includes a header with the board name, a star icon, "Personal", "Private", and user avatars.

Kanban



Trello.com



Scrum Crumbs

- Backlog
- Daily check-ins
- Sprints

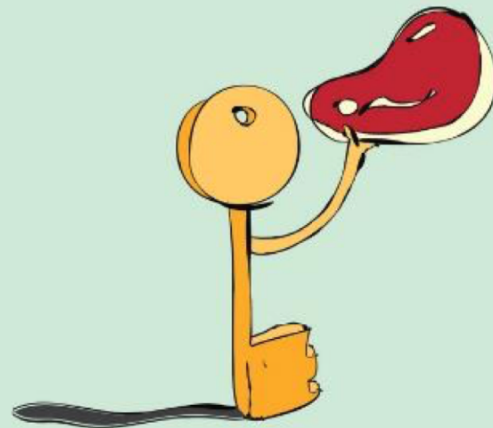
Time: 1=hour, 2=day, 3=week, 4=week+

Benefit: 1=low, 2=medium, 3=high, 4=must have

<u>Priority</u> ▾	<u>Task</u> ▾	<u>Time (1-4)</u> ▾	<u>Benefit (1-4)</u> ▾	<u>Order</u> ▾
4	Change Delete button from green to red	4	4	● 16
2	Add product metadata	3	4	● 12
5	Edit product metadata	4	3	● 12
6	Add option to export favorites as csv	3	3	● 9
3	Select picture of product from file	2	4	● 8
12	Improve error message text	4	2	● 8
8	Change interface to low-contrast	2	3	● 6
9	Improve search query performance	3	2	● 6
1	Lock application to authorized users	1	4	● 4
11	Use AD group for Admins	2	2	● 4
14	Use default product picture	4	1	● 4
7	Bug #5: intermittant search results bug	1	3	● 3
--	Implement Logging	3	1	● 3
10	Improve search performance with caching	1	2	● 2
13	Detect duplicate entries	2	1	● 2
--	Switch Oracle to SQL database	1	1	● 1



Pomodoro Technique



A KEY STEAK HOLDER

*Business people and developers must
work together daily throughout the project*

*Welcome **changing requirements**, even late
in development. Agile processes harness change
for the customer's competitive advantage.*

Tldr: Mail_Stop and Department_Description fields were longer than could fit into the ABC table. Fix is to t

Root cause for "INC000005487959 – Employee 12345 is not showing in ABC"

Issue: The daily Tidal job that update ABC with new employ showing in ABC.

Note: ABC is the application that surfaces data from a 3rd

Background: The high level process that was in question The daily job moves data from an CDE via a view conta clean up the data, organize it, and put it into a final d

Cause: The initial failure appears to be caused by at Each of the different stops for the data allow diffe staging table allowed up to 64, and the final table

Resolution: Update the CDE view to truncate a Modify the application run by the job to explic Update deployment configuration and build

Follow-up: One thing that can help mitigate the mag like there isn't a clear understanding of who should get notified I believe the XXX team can add any emails address to receive notifications

CDE was failing, thereby causi

Updated estimate for SystemX tasks:

Will update the hours on Monday when TFS is back up.

Add column restriction for replace unwanted characters - complete. Dan

Remove unwanted characters – Estimating about 5 hours left for these cc

- (1) give more confidence they work than *deploy-test in QA-repeat cyc*
- (2) a place to quickly amend any gaps we find in QA testing.

Remaining work is adjustments from QA testing & code review fix appropriate allocation for this collaborative work via Charlie. It's fine if the

Fix for ConvertExcelToCSV for John Doe – estimating about 2 hours left or

week. This shouldn't prevent John Doe from continuing testing in QA right smoother.

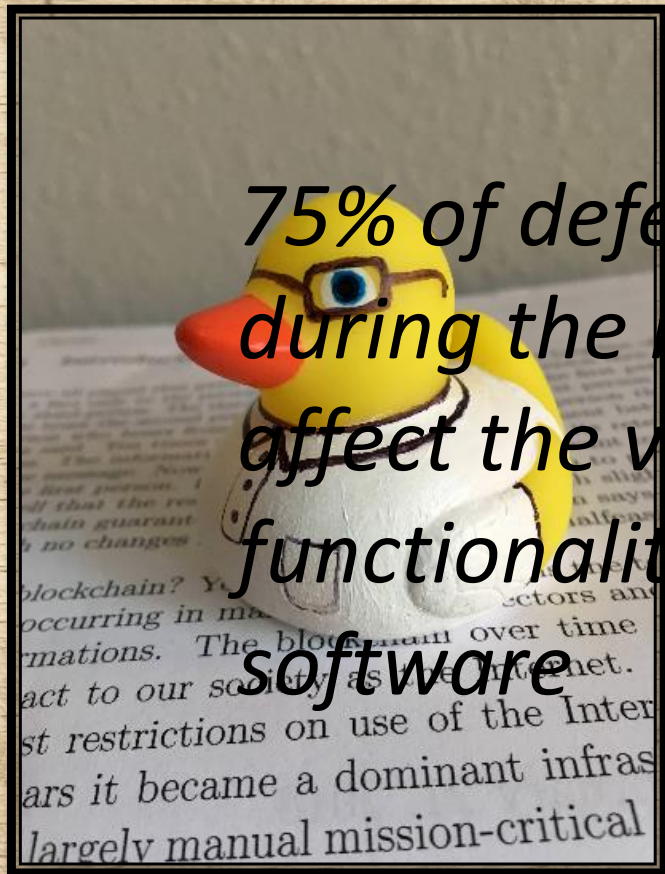
Continuous attention to **technical excellence**
and **good design** enhances agility.

Working software is the
primary measure of progress.

*“Quality in design means
realization of purpose or **fitness for use**
rather than conformance to requirements”*

Lean Software Development: An Agile Toolkit, Mary & Tom Poppendieck





75% of defects found during the review do not affect the visible functionality of the software

["What Types of Defects Are Really Discovered"](#), Mika V. Mäntylä and Casper Lassenius

Software Quality Assurance & Testing Beta

[sqa.StackExchange.com](https://sqa.stackexchange.com)

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working within the systems development

minute:

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Anybody

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A large assortment of groceries is displayed, including fresh produce like apples, oranges, kiwis, broccoli, carrots, and potatoes, as well as packaged items such as bread, snacks, and condiments. The word "Retrospective" is overlaid in the center.

Retrospective

A large, diverse collection of groceries is shown, including fresh produce like apples, oranges, kiwis, and purple cabbage, as well as packaged items like 'Freezels' snacks, bread, and various condiments. The items are piled together, creating a colorful and abundant display.

*At regular intervals, the team **reflects** on how to become more effective, then tunes and **adjusts** its behavior accordingly.*

A large, dense pile of various food items, including fruits like apples, oranges, and kiwis; vegetables like broccoli, carrots, and potatoes; and packaged goods like cereal, coffee, and snacks. The items are scattered and appear to be discarded or unused, illustrating the concept of waste.

7 Types of Waste

- Unfinished Work
- Extra Features
- Relearning
- Handoffs
- Delays
- Task Switching
- Defects

Resources

- [Agile Manifesto](#)
- [Software Engineering Stack Overflow / Software Quality Stack Exchange](#)
- [scrumguides.org /scrumalliance.org](#)
- [francescocirillo.com on Pomodoro Technique](#)
- [Trello](#)

- [Agile for One](#), Jeremy Jarrll on Pluralsight
- [Extreme Programming Explained](#), Kent Beck
- [Lean Software Development: An Agile Toolkit](#), Mary & Tom Poppendieck
- DevJam's Agile Day Twin Cities on Dec 5, 2018 <https://agiledaytwincities.com/>

Twin Cities .NET User Group
January 3, 2019 @ 5pm in ILM Edina Office

You can find me on LinkedIn
@ Elsa Vezino