



Agile Mindset and Programming

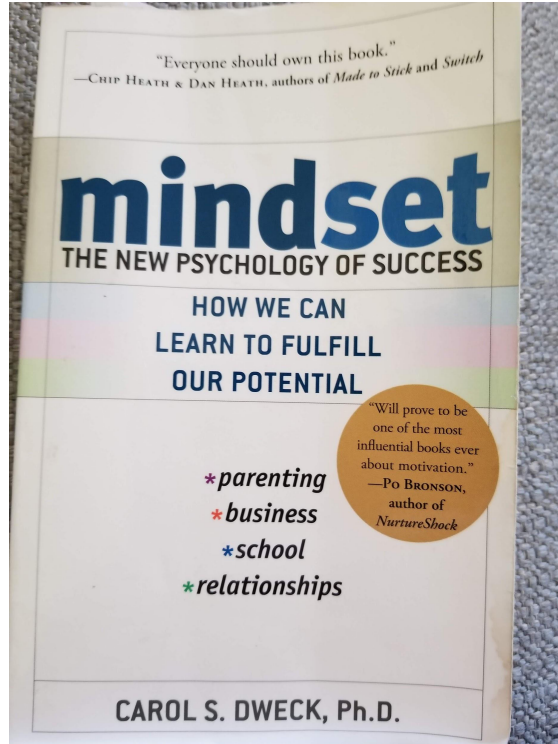
Using Agile learnings to improve individual skills

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Agile Practitioner

THE PERFECT TEAM



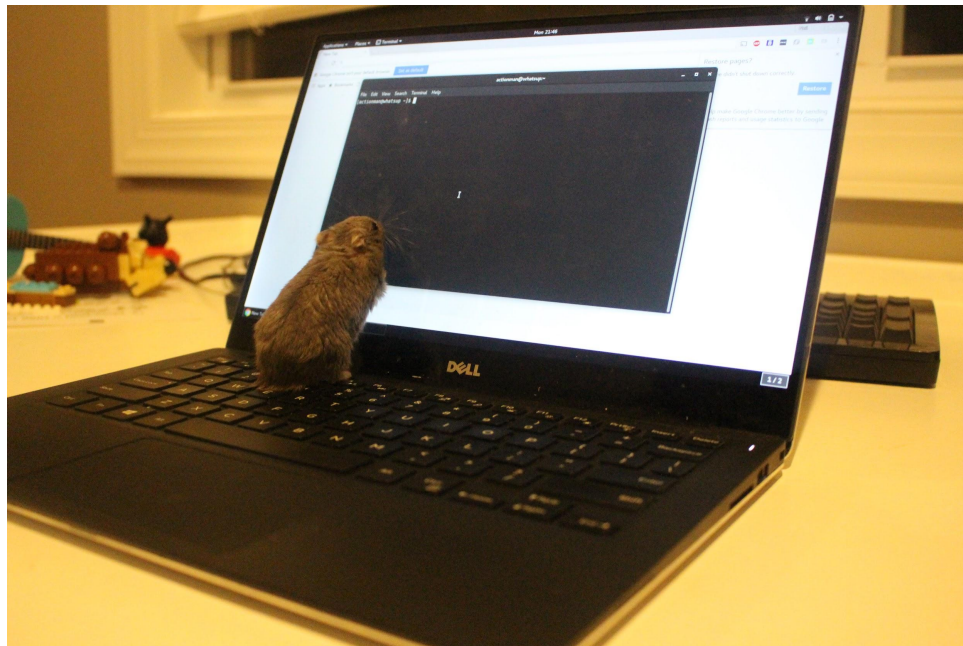
AGILE MINDSET



KNOWLEDGE WORK



PROGRAMMING IMPROVEMENTS



FOCUS FOR TODAY

- Getting work to flow
- How to prioritize work
- How to improve

FLOW



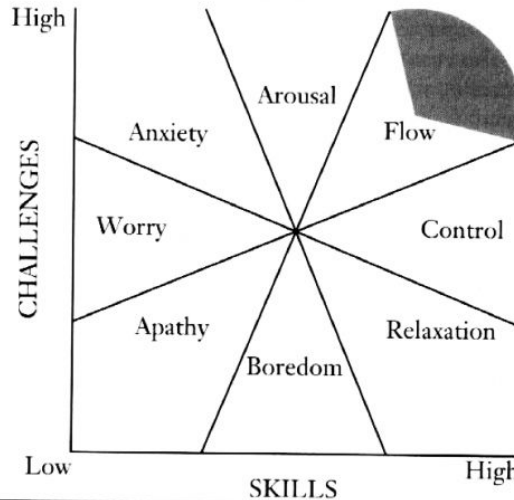
HANDLING INPUT



GETTING INTO THE FLOW

Figure 1

The quality of experience as a function of the relationship between challenges and skills. Optimal experience, or flow, occurs when both variables are high.



Sources: Adapted from Massimini & Carli 1988; Csikszentmihalyi 1990.

AGILE

- Visualize your work
- Get all of it out there
- Pull your work

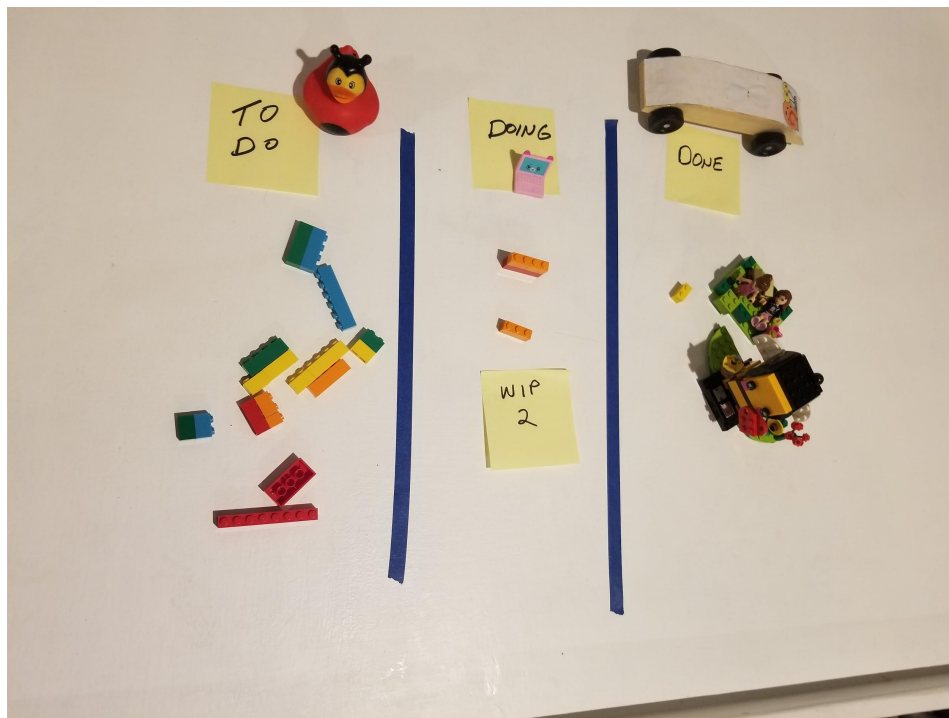
KANBAN



CAN YOU MULTITASK?

- Can you count under pressure?

WIP LIMITS



KNOW THY TIME

- Record what you do
- Analyse your time
- Adjust your schedule
 - Delete, Delegate, Do

PERSONAL KANBAN

AIP Kanban

Kanban board

Board ▾



QUICK FILTERS: [Only My Issues](#) [Recently Updated](#)

5 Epics

12 To Do

1 In Progress Max 2

17 of 27 Done

[Release...](#)



AIP-1



Core Kernel Bugzilla Grafana instance



AIP-10



Get Summit Presentation done and out



AIP-18



Core Kernel Training



AIP-7



Review 8.1 Confluence numbers for Networking



AIP-9



Update Realtime action items from quarterly planning - to follow new format



AIP-16



Application for advanced filter plugin



AIP-45



Get the slides now updated with content

[Summit Presentation](#)



AIP-11



Fill out budget info for asks for FY20



AIP-12



Review new product flow for Factory



AIP-13



Respond to email from Jane on Summit Presentation

[Summit Presentation](#)

EAT AN ELEPHANT?



KANBAN CALCULATIONS

- Lead time
 - How long it takes for a request to move to complete
- Throughput
 - Number of things done during a time period

LET IT FLOW

NO
IRC



NO
EMAIL

NO
WEB

MY FLOW NUMBERS

- My leadtime
 - 2.5 days per issue average
- My throughput
 - 14 issues / 2 weeks

CEREMONIES



PRIORITIZE



WHAT TO DO NEXT?



UPPER RIGHT QUADRANT

	URGENT	NOT URGENT
IMPORTANT	<u>Quadrant I</u> <i>urgent and important</i> DO	<u>Quadrant II</u> <i>not urgent but important</i> PLAN
NOT IMPORTANT	<u>Quadrant III</u> <i>urgent but not important</i> DELEGATE	<u>Quadrant IV</u> <i>not urgent and not important</i> ELIMINATE

FIRST THINGS FIRST

“The reason why so few executives concentrate is the difficulty of setting “posteriorities” - that is deciding what tasks not to tackle - and of sticking to the decision” Drucker

COST OF DELAY

- Determine delay costs in order to prioritize
 - It will cost you the most to try to deliver everything at once
 - Pick the most expensive to delay things to do first

THE GOAL



EAT THE FROG FIRST



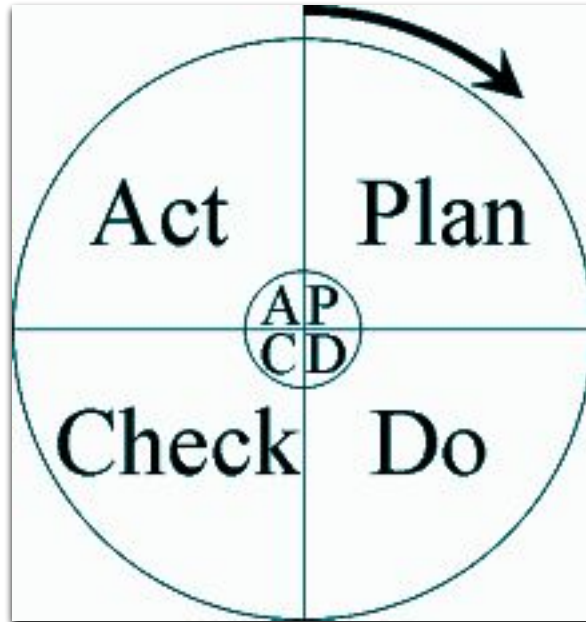
REAL OPTIONS

- Options have value
- Options expire
- Don't commit early

PRACTICE



PLAN DO CHECK ACT



IMPROVING

- Practice
- Training
- Change workflow
- Alter environment

KATA



TRAINING

- Have goals
- Allocate time
- Have some expected results from your training

MAKING CHANGES

- Have initial flow measured
- Improve your work intake to be able to pull work
- Remove waste from your individual processes

HYPOTHESIS

Hypothesis	<p>We believe _____ [doing this] for _____ [these people] will achieve _____ [this outcome/impact]</p>		
Experiments	<p>We will test that by...</p> <ul style="list-style-type: none">• Experiment 1• Experiment 2• Experiment 3		
Validation	<p>We will know the hypothesis is valid if by _____._____ we get...</p> <table border="1"><tr><td>Quantitative measurable outcome</td><td>Quantitative measurable outcome</td></tr></table>	Quantitative measurable outcome	Quantitative measurable outcome
Quantitative measurable outcome	Quantitative measurable outcome		

Tim Herbig
@herbigt

We believe keyboard and screen technique training will increase capability to groom faster in Jira
for myself
will achieve decrease in grooming time by 15 min with same throughput

We will test that by...

- Measure how many items we get through in current grooming/ increase throughput by 33% over 2 months
- After 2 months be able to do grooming in 30 min rather than 15 min with similar throughput

We will know the hypothesis is valid if by 6.23.2019 we get...

Quantitative measurable outcome
Can reduce time it takes to get through grooming by 15 min

Quantitative measurable outcome
Can increase grooming throughput by 33%

SUMMARY

- Get into and measure flow
- Know what to work on
- Schedule time to improve



THANK YOU



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