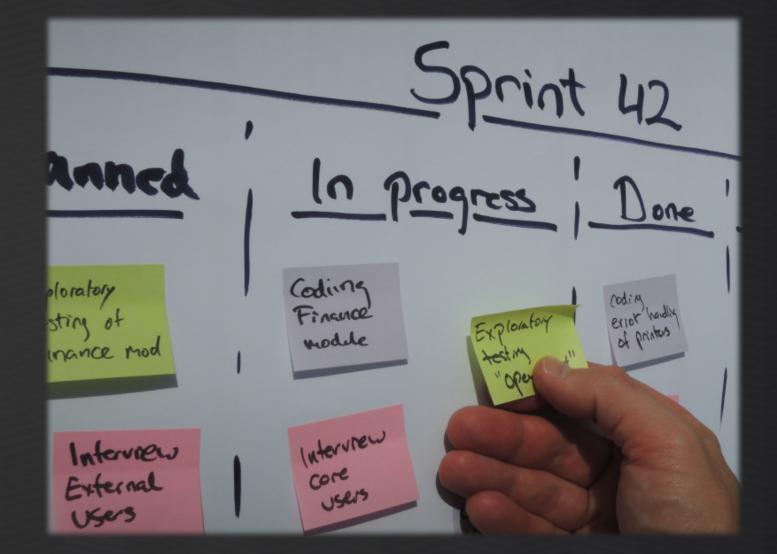
BUILDING PRODUCTS

with Agile Development



Sean Ammirati

@SeanAmmirati

Partner, Birchmere Ventures

Distinguished Service Professor of Entrepreneurship, Carnegie Mellon University

November 15, 2022

Build



Learn

Measure

What do you build?

"that version of a new product [or service] which allows a team to collect the maximum amount of validated learning about customers with the least effort"

- Eric Reis







What do you measure & learn?

MAPS #1 > Concept MAPS #2 > P-M Eval MAPS #3 > P-M Fit

	MAP #1 PPC Campaign Landing Page	MAP #2 Product Drawings Detailed Spec	MAP #3 Prototype Functional Output
Customer Interaction	Features / Benefits description 'More info' Call to Action	Face-to-face technology demo	Field Pilot
Learning Objective	Market insight Find early adopters	Locate Strategic partners Seed Funding Paid-beta customers	Revenue Customer Validation Capital Investment
Investment	\$	\$\$	\$\$\$







What do you build?

Storyboards

Landing Pages

Demo Videos

Wizard of Oz

(examples)

Storyboards

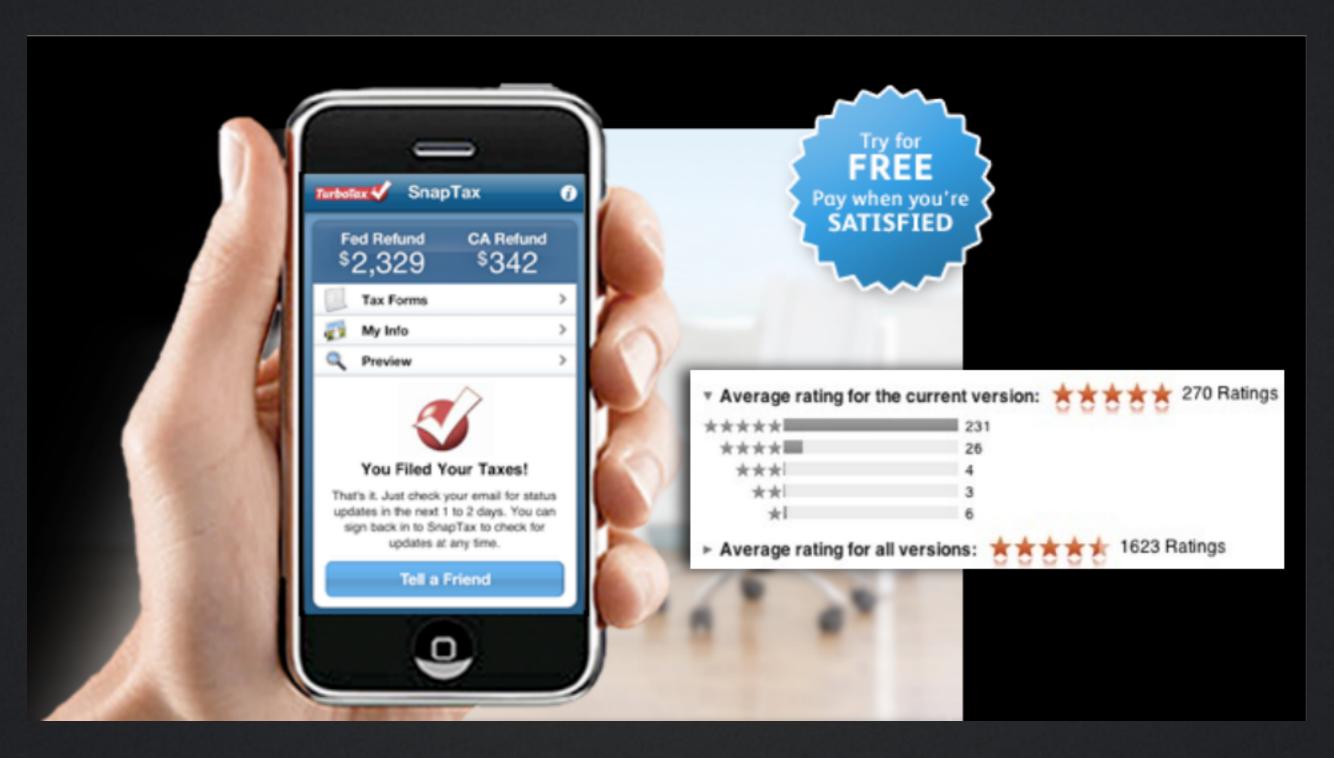
A panel or series of panels of rough sketches outlining the sequence of events a consumer will experience before, during and after using our product / service.

Storyboards 3 Benefits

It's a mirror

Encourages customers to be more honest

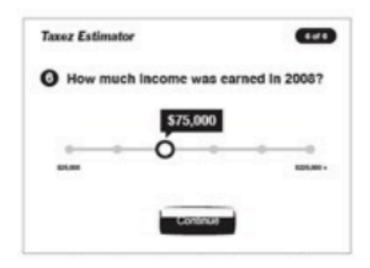
YOU won't fall in Love























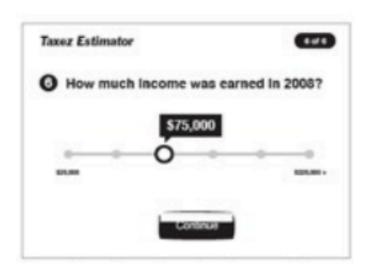


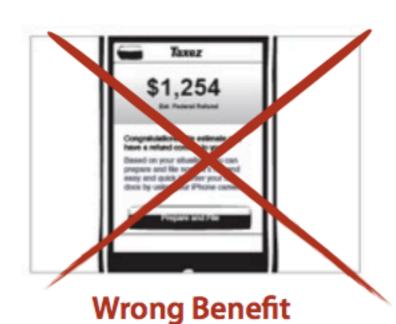










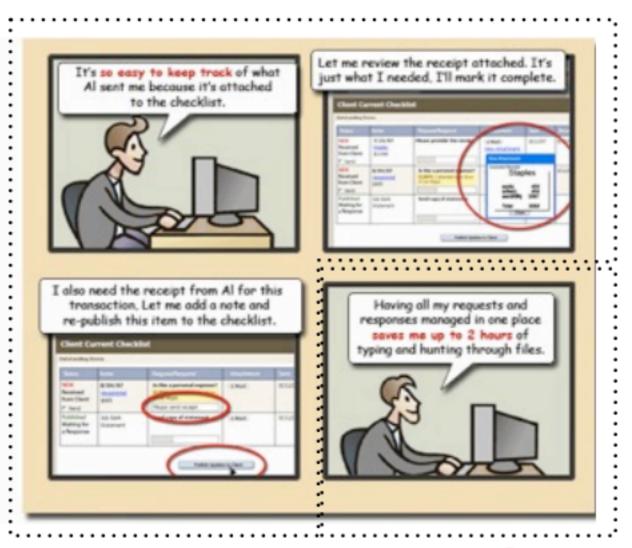




Problem

All just faxed this— is it what I need? Whare is the original request? In Email? In these files? What else does All owe me? Oh, it takes forever to figure this out. All my requests and his responses are scattered between files and emails.

Solution



Benefit

Landing Pages High Performing

User Centric

Clear & Concise

Conversion Focused

Shareable

Measurable

Consistent

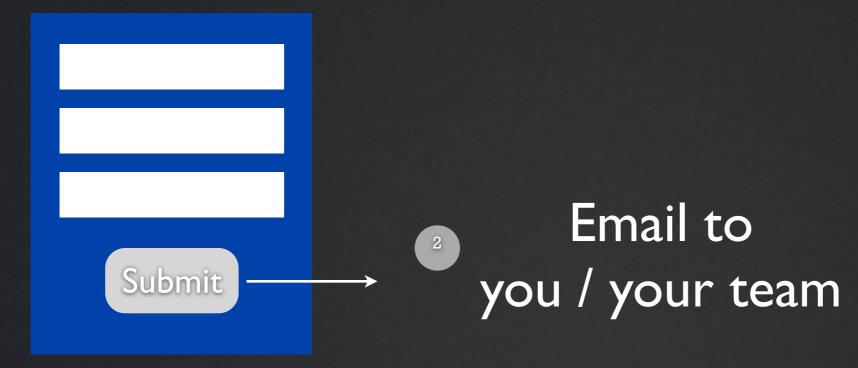
Demo Video



https://www.youtube.com/watch?v=7QmCUDHpNzE

Wizard of Oz

3



"automated" response

How do you build?

AGILE Development

What do we mean by agile?

We value ...

Individuals & Interactions over process and tools

Working products over documentation

Customer collaboration over negotiation

Responding to change over following a plan

Why agile development?

You're wrong more then you are right Key Metric: How fast can you iterate? Need to Predict Delivery Times

How to do agile development?

Scrum

Engineering Practices

This will be unique for each of you based on your team, type of solution being developed and personal preferences.

Could be: XP, Feature Driven
Development, Crystal, Kanban or any
other process your engineering team
is comfortable with.

(often pull aspects from each)

Why do we focus on scrum?

Firsthand observed it transform & improve my last software company - mSpoke

Being used at some of the largest technology companies in the world today (Google, Yahoo!, Adobe, etc ...)

Provides a great framework for entire team to understand what is going on.

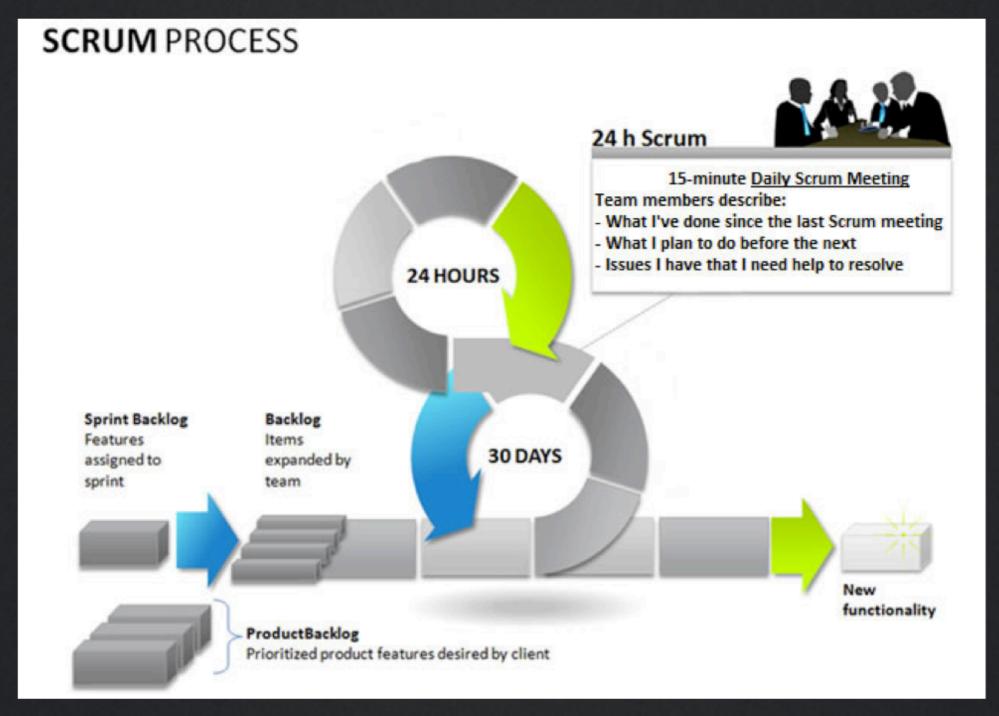
Disclaimer: Still hard to build innovative products & services and not a silver bullet

Why do we focus on scrum?



Key Themes from Scrum

The process of scrum?



Product Backlog Tips

Everyone on team should easily be able to see the backlog

I've found one "administrator" helpful logistically

If not using a full scrum tool, you can do this easily in a shared spreadsheet (eg Google Docs)

Time Box / Sprint

Each sprint:

Lasts a defined number of days (time box)

Has a specific set of requirements from backlog allocated to it (defined during "sprint planning meeting")

Has specific goals for the team to achieve (set up front) - "sprint goal"

Estimates

All estimates are forward looking

How much will it take to complete this feature / requirement?

Increasing an estimate based on learned complexity is accepted by the team

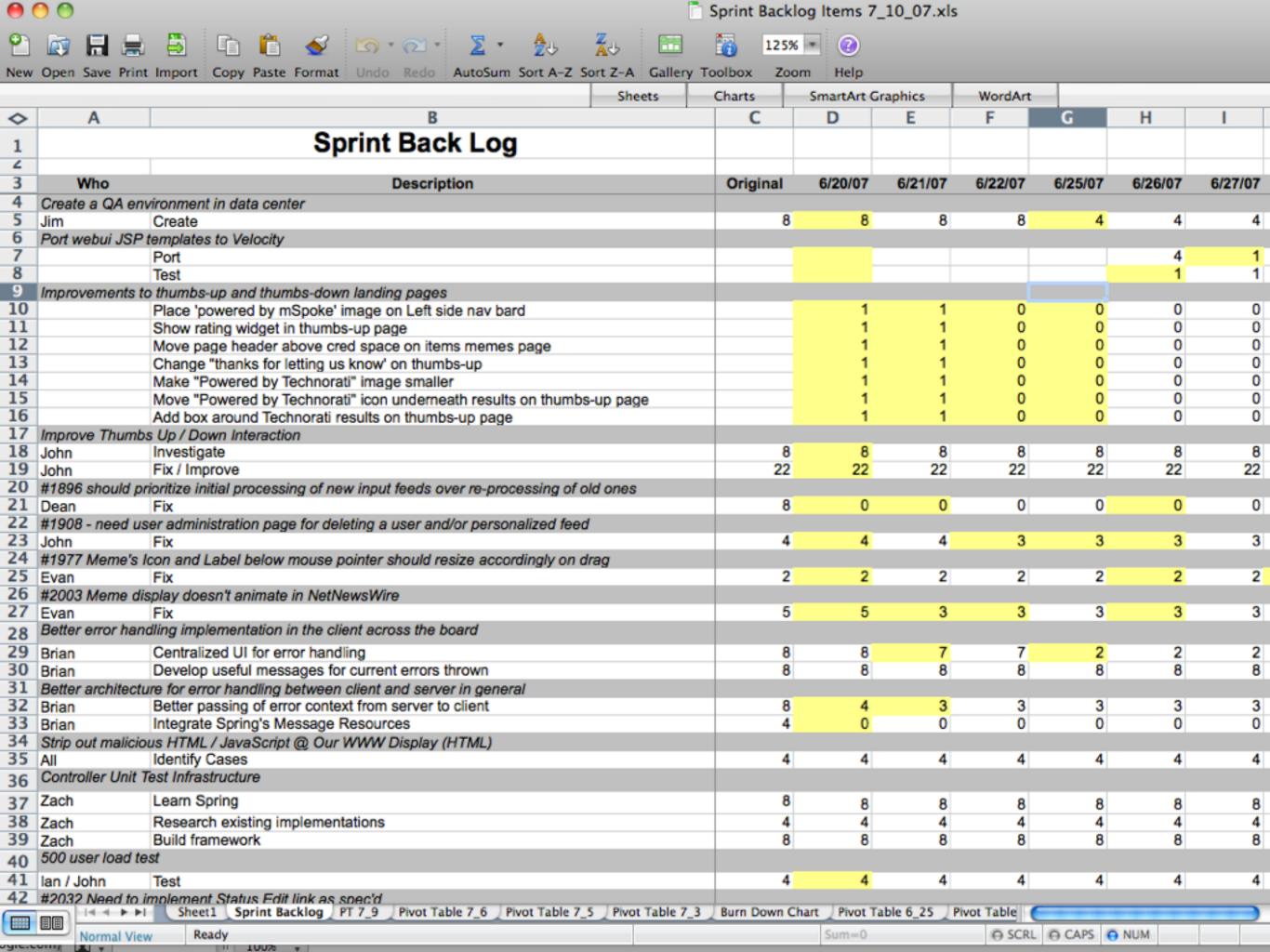
Sprint backlog estimates should be updated regularly

Velocity / Burn Down

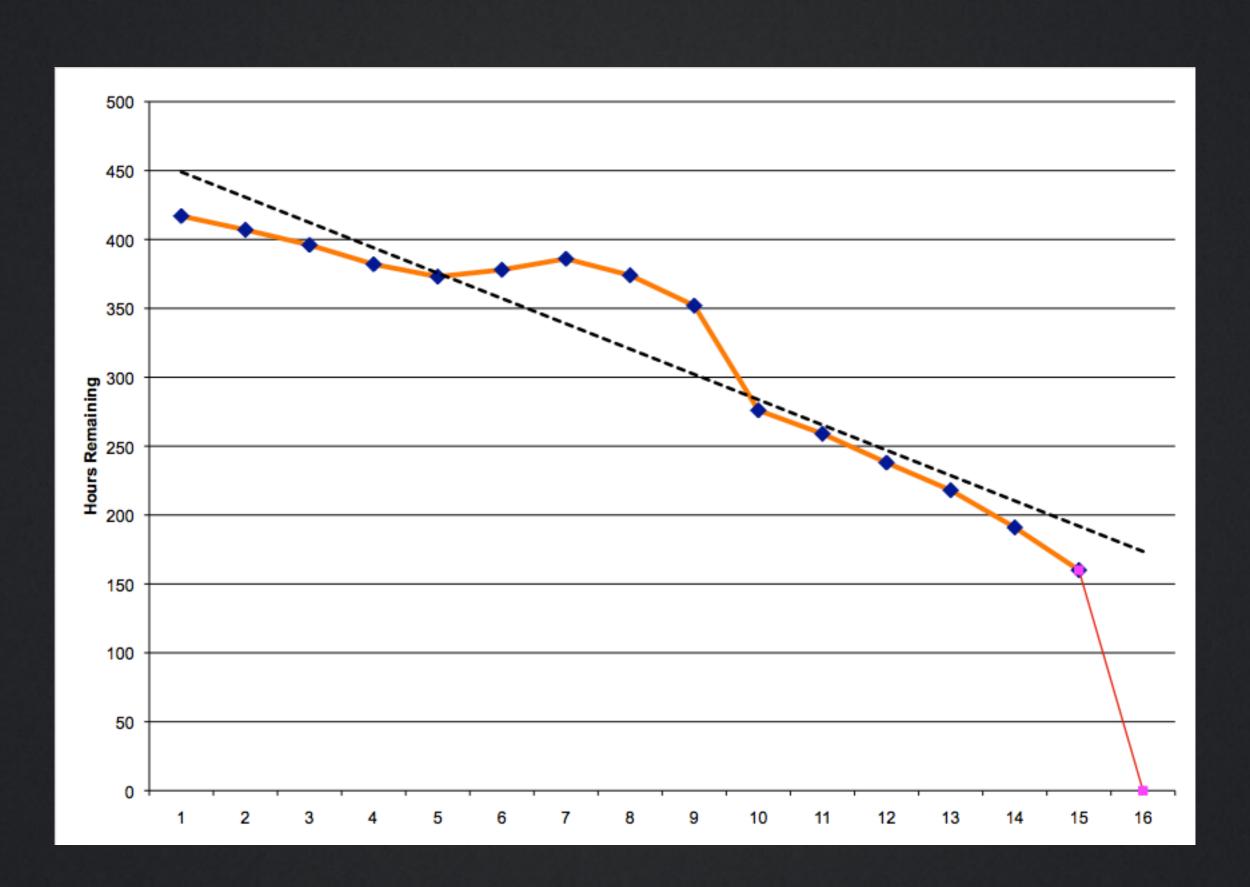
The average decrease in estimates for the total effort / time remaining is a sprint's velocity

Overtime velocity becomes very helpful for planning purposes

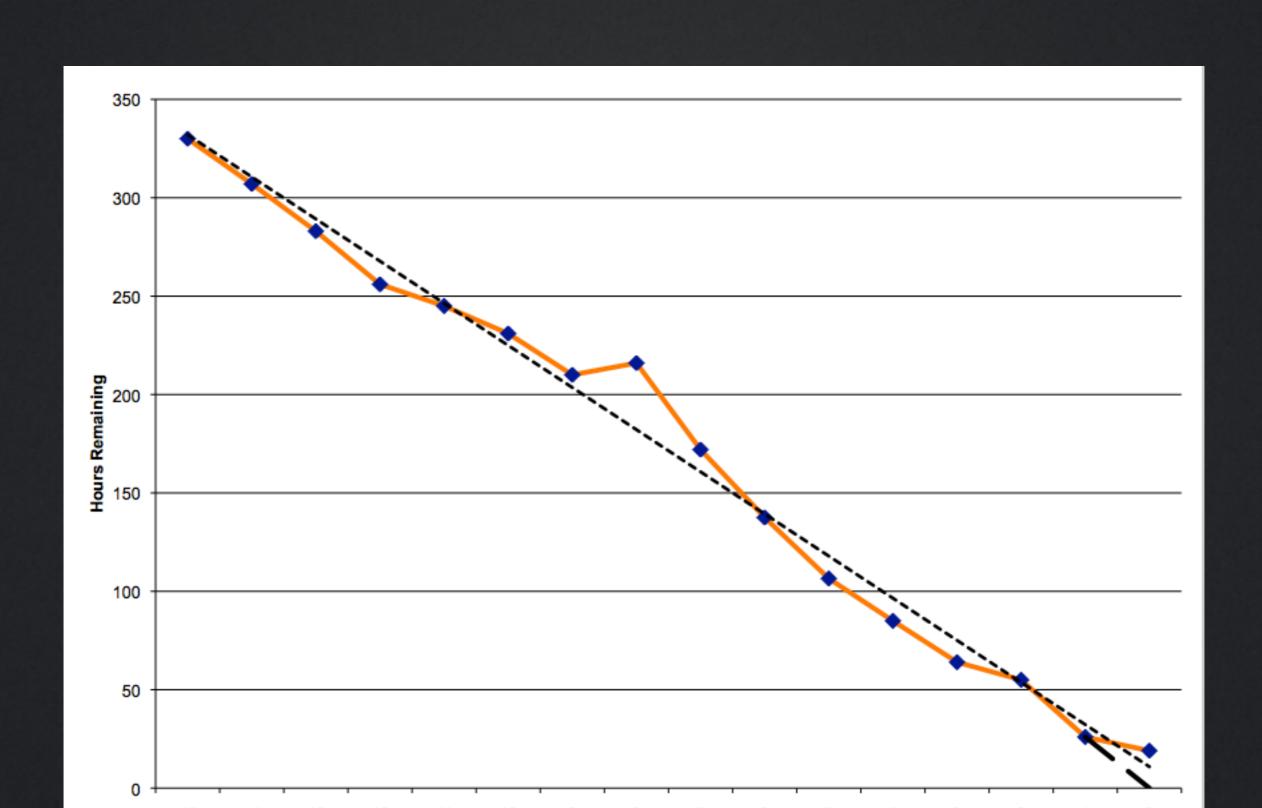
The chart showing daily total of time remaining is called a burn down chart or sprint's signature



Velocity / Burn Down



Velocity / Burn Down



Sprint Review

At the end of the sprint, the team demonstrates what they have built

Compares against the sprint's goals

Retrospective to look for improvements at the end of the sprint

Thank you

@SeanAmmirati

SeanAmmirati.com