

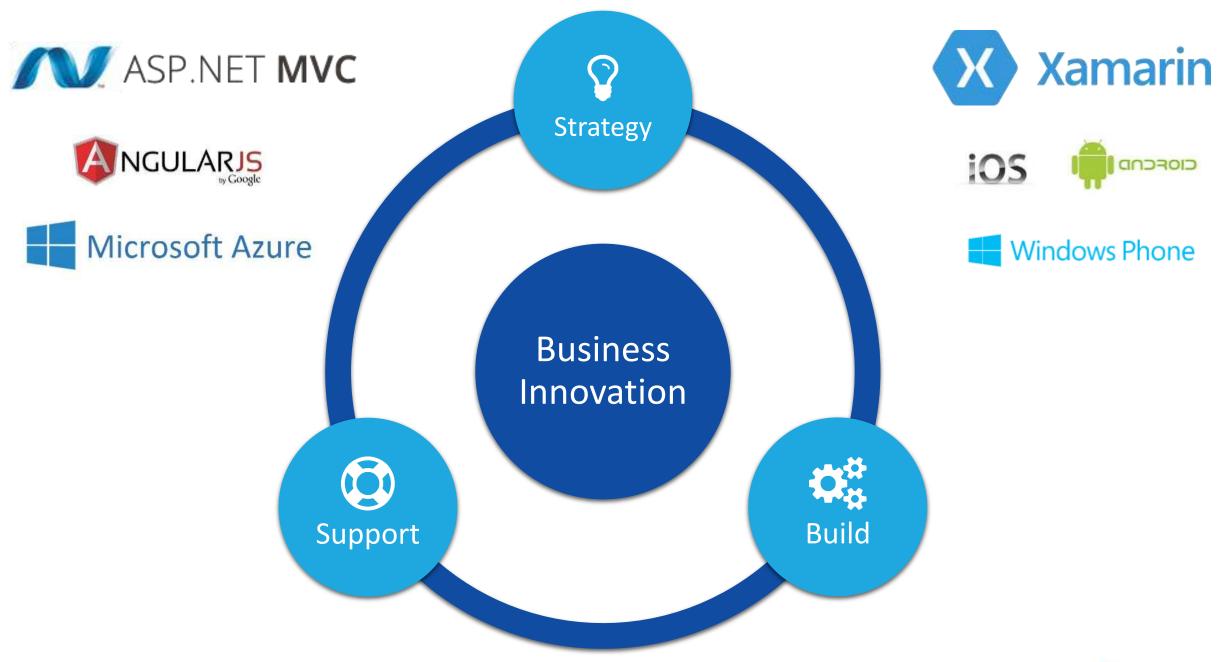
Dave

Todaro

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Typical project effort







480%

114%

Revenue growth 2016



+20%

Net income 2016

3 year revenue growth

When will it be done?



Agile

Stakeholders

Flexibility

Predictability

Respond to Change

Ability to Plan Ahead

Release When Ready

Release on a Schedule



"What will it mean if...?"

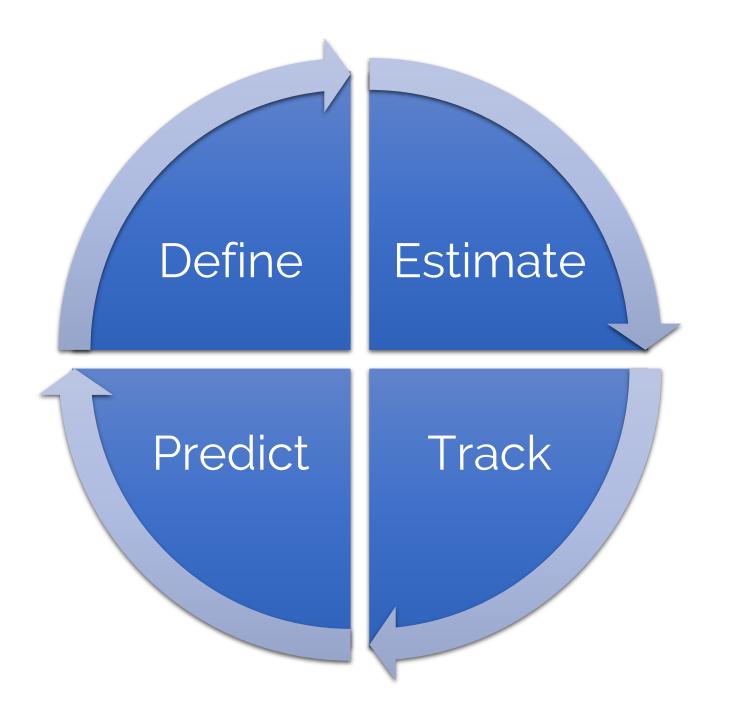
We add a feature?

We make a feature bigger or smaller?

We use a different team size?

We use a different technology?





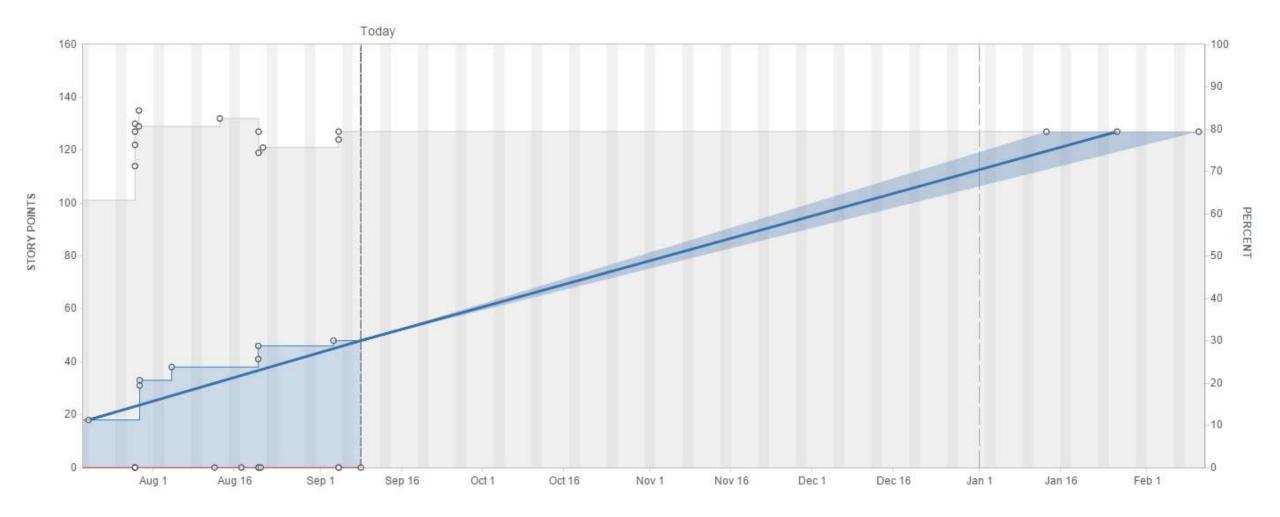
User Stories

Story Points

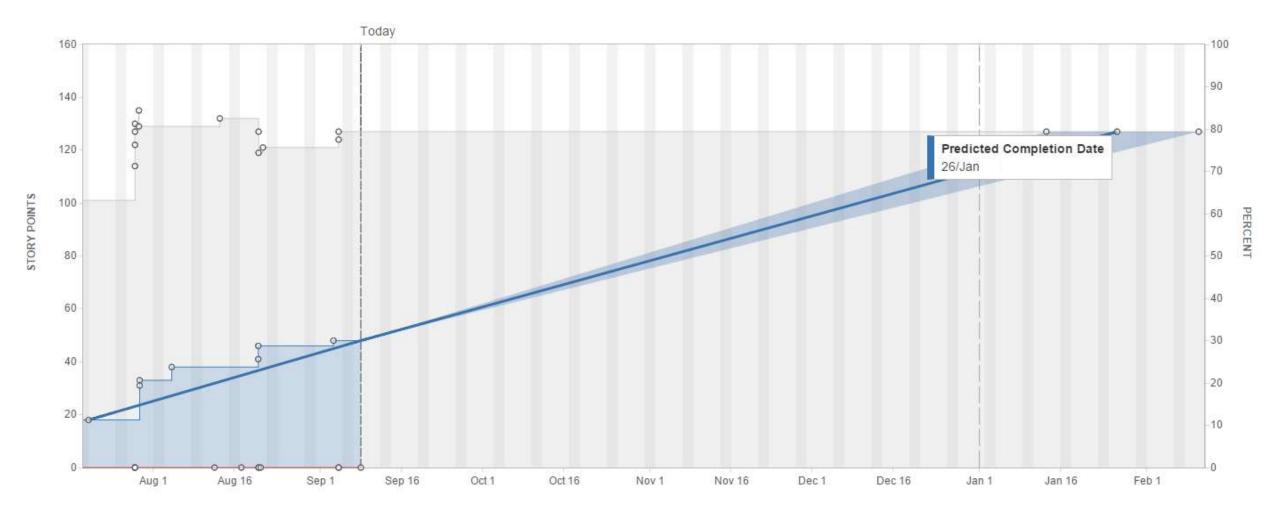
Velocity

Forecast

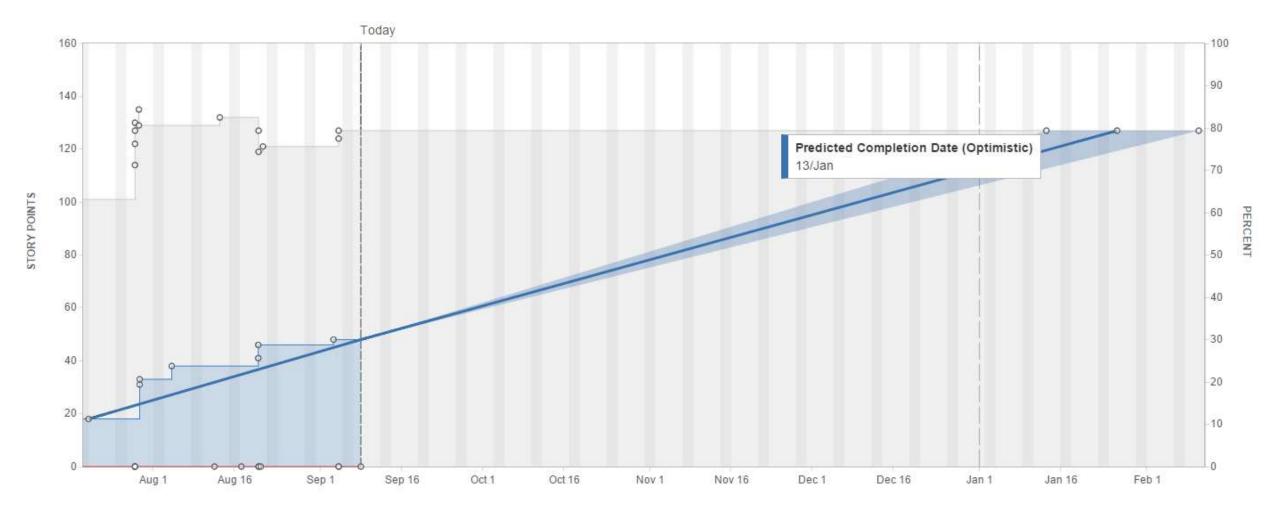




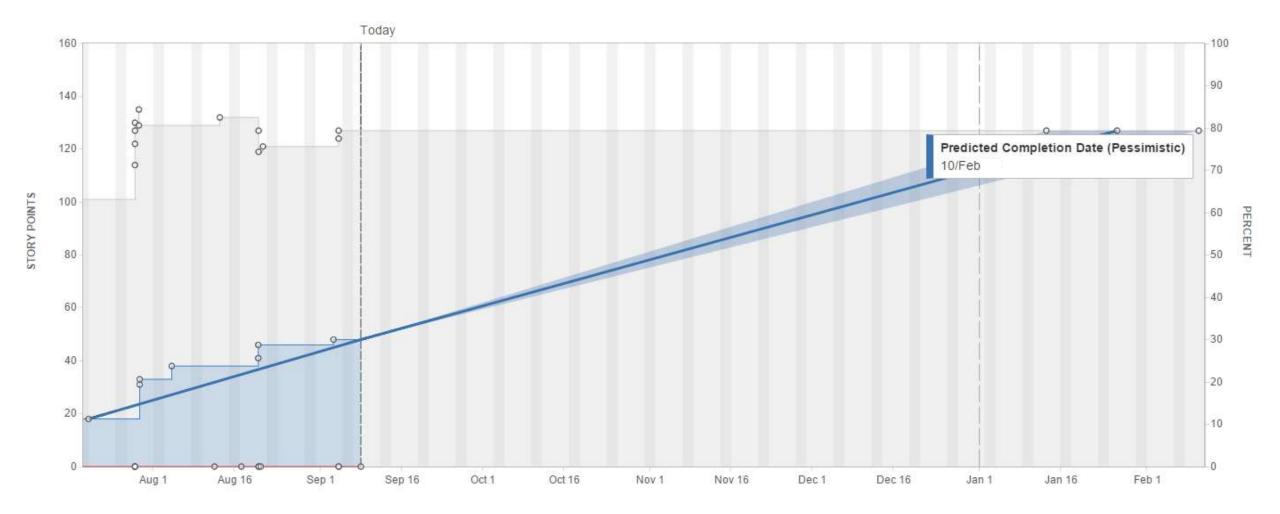




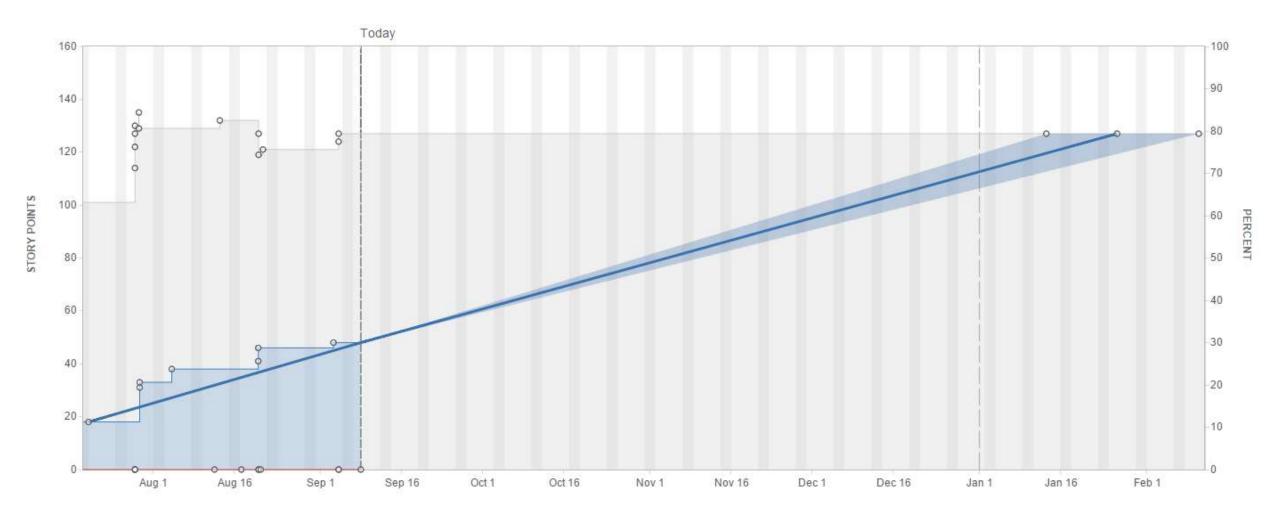














Step 1 Write User Stories



User Stories

Compact "requirements"

Quick and easy to write

Shared vision

Prioritized by business value



The Sentence





Acceptance Criteria

- I can create one or more gift registries
- I can add a product to a registry
- I can specify a quantity desired
- I can view my registry
- I can share my registry with friends and family
- I can remove products from my registry
- I can rename my registry



The Product Backlog

As a shopper I want to view a list of products so I can select some to purchase

As a shopper I want to review my cart so I can make adjustments prior to checkout

As a shopper I want to check out so I can get my products shipped to me

As a shopper I want a gift registry so I can share what I want with friends and family

As a shopper I want to review my orders so I can see what I've purchased in the past

As an administrator I want to modify the list of products so I can adjust our offerings over time

As a fulfillment specialist I want to print a picking report so I can prepare products to ship

As a fulfillment specialist I want to print packing labels so I can ship packages

As a finance employee I want to view analytics about orders and revenue so I can see how we're tracking against our goals



Step 2

Estimate User Stories



Absolute vs Relative Size

Absolute

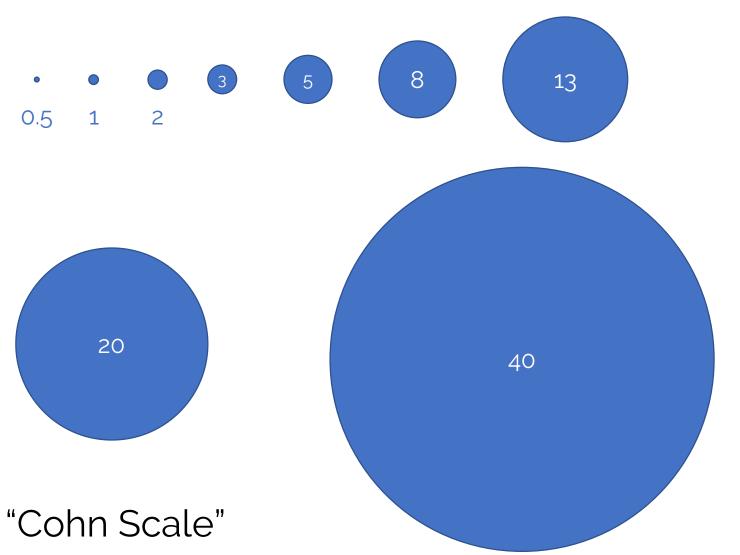








Story Points



100

Example





Estimating Goals

Leverage team experience

Encourage discussion

Involve everyone

Make it democratic



Planning Poker

Discuss

Vote

Discuss

Re-vote



Estimated Product Backlog

- 13 As a shopper I want to view a list of products so I can select some to purchase
 - 5 As a shopper I want to review my cart so I can make adjustments prior to checkout
- 13 As a shopper I want to check out so I can get my products shipped to me
- 20 As a shopper I want a gift registry so I can share what I want with friends and family
 - 3 As a shopper I want to review my orders so I can see what I've purchased in the past
 - **5** As an administrator I want to modify the list of products so I can adjust our offerings over time
 - 3 As a fulfillment specialist I want to print a picking report so I can prepare products to ship
- 20 As a fulfillment specialist I want to print packing labels so I can ship packages
 - 8 As a finance employee I want to view analytics about orders and revenue so I can see how we're tracking against our goals

Total: 90 Story Points



Step 3 Estimate Velocity



Velocity

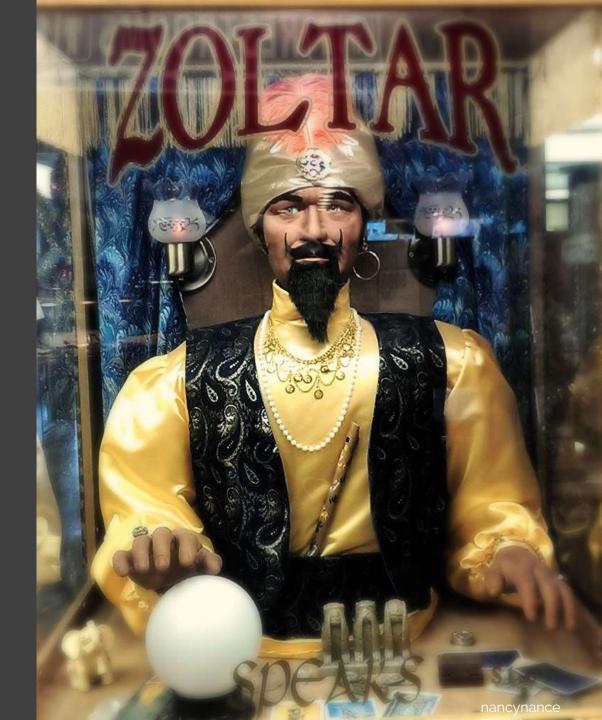
How quickly the team can move

Story points per sprint

Shippable user stories



"But we haven't started the project yet!"



Three Options

Run a couple of sprints

Compare to a prior project

Break down some stories



How Big is the Box?

Team Capacity

- Total hours per sprint
- Dedicated to this project

Subtract Meeting Time

- Sprint planningDailv
 - Daily standups
 - Etc.

Net Capacity Hours per sprint the team can spend on tasks



What Fits in the Box?

As a shopper I want to review my cart so I can make adjustments prior to checkout

- Write and review acceptance tests 2 hours
- Create user interface views 4 hours
- Write unit tests and code 4 hours
- Run acceptance tests 1 hour
- Fix bugs & make adjustments 30 minutes
- Peer code review & make updates 30 minutes
- Total: 12 hours



What Fits in the Box?

As a shopper I want to review my cart so I can make adjustments prior to checkout

As a shopper I want to view a list of products so I can select some to purchase

13

As a shopper I want to review my orders so I can see what I've purchased in the past

Estimated Velocity: 21



Step 4

Create a Forecast



Calculating a Timeframe



Calculating a Timeframe

Duration =
$$\frac{90}{}$$
 X 2 Weeks = < 9 Weeks







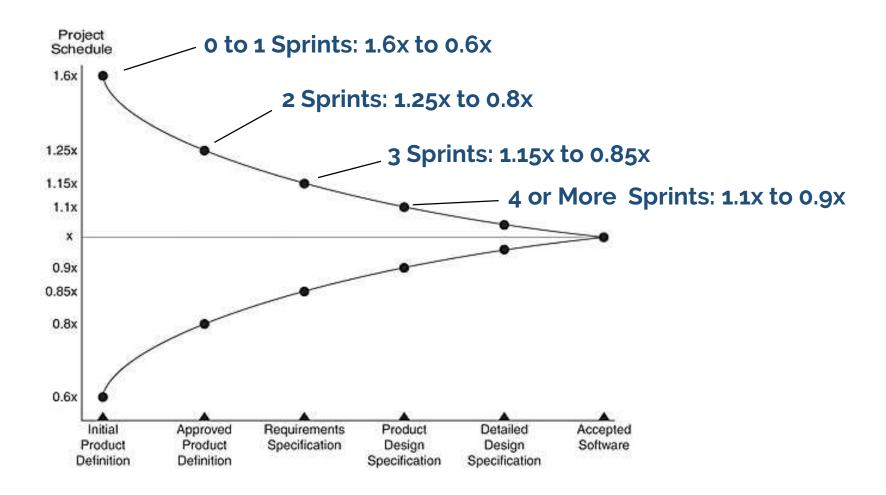
Same velocity?

No changes?

No surprises?

No chance

Cone of Uncertainty



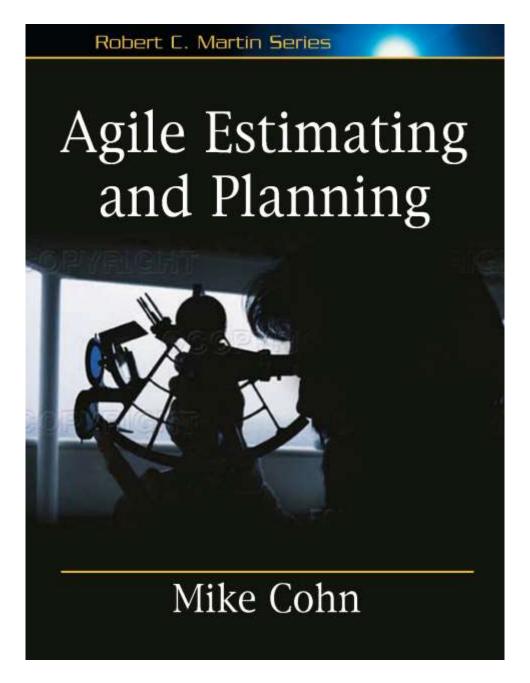


Calculating a Timeframe Range

Low Duration =
$$\frac{90}{\mathbf{X}}$$
 2 Weeks = ~5 Weeks 21 x 1.6

High Duration =
$$\frac{90}{X}$$
 2 Weeks = ~14 Weeks 21×0.6











- Short tip every week or two in your inbox
- Not available anywhere else
- Early access to new book

http://bit.ly/davescrumtips

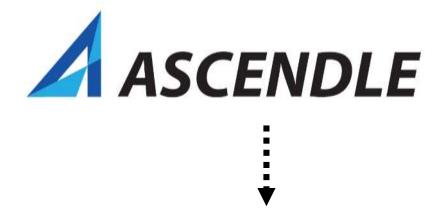


THANK YOU!

http://bit.ly/davescrumtips

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