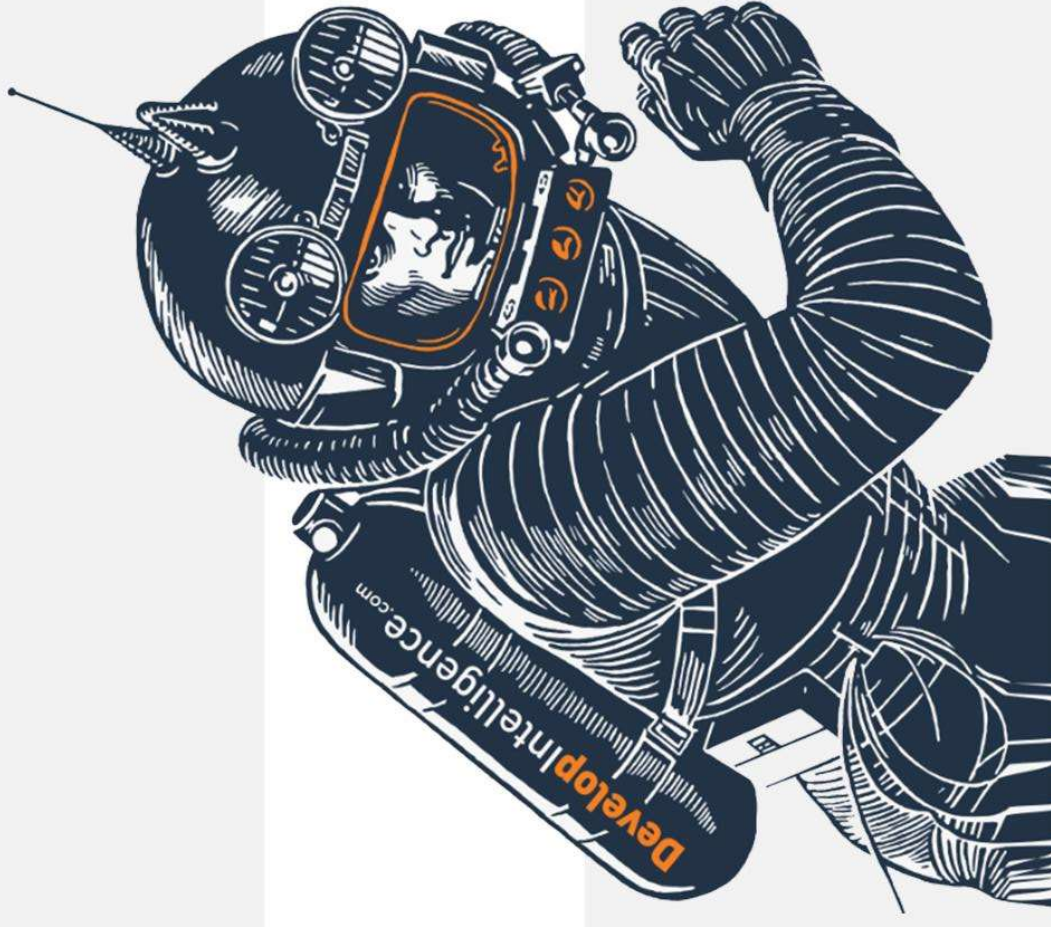


# Becoming Agile

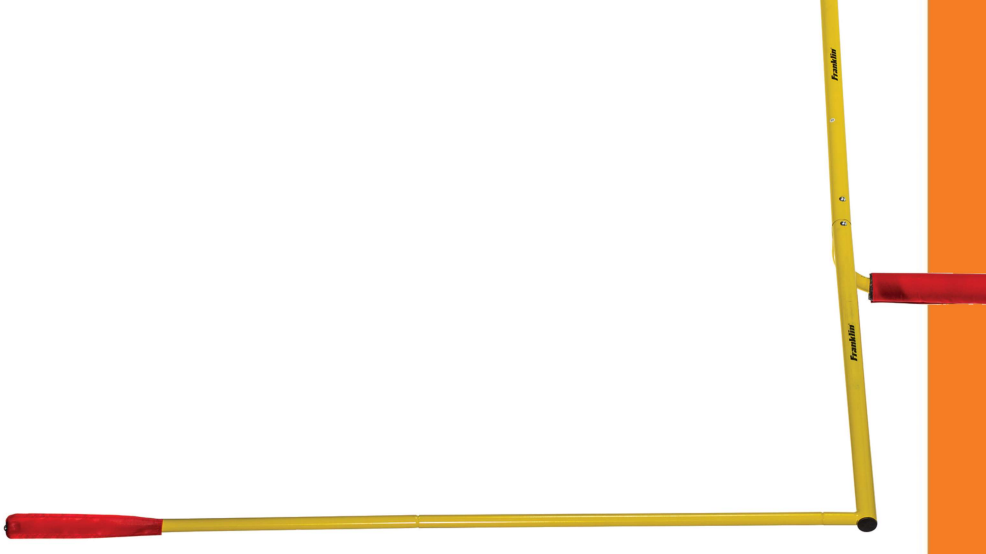




# Goals



1. Explain the purpose of a 'stand-up' meeting
2. Define the term 'sprint'



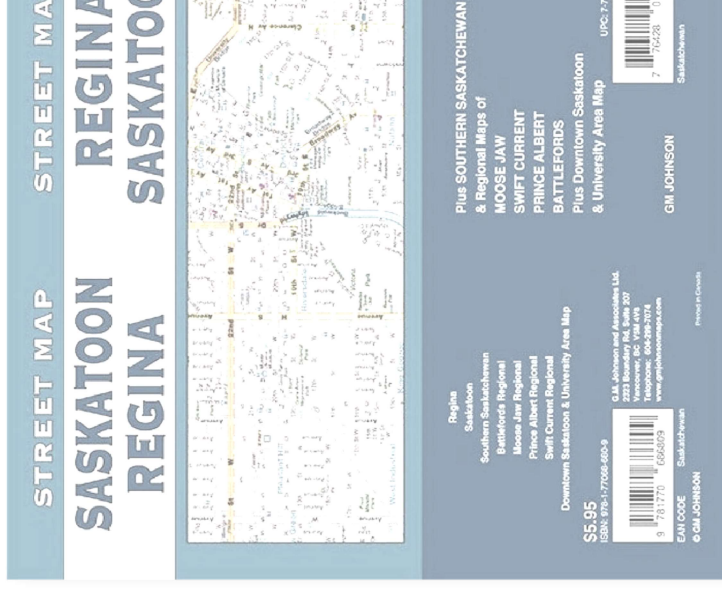


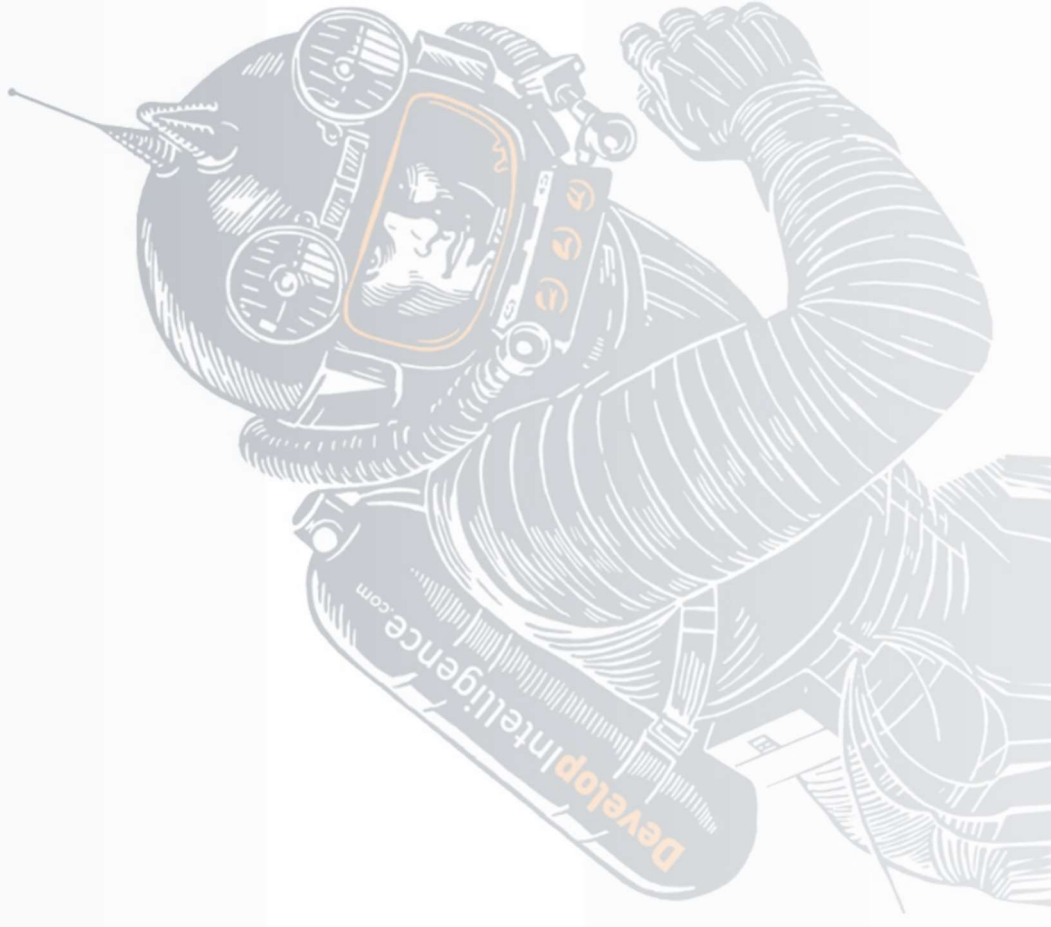
# Roadmap



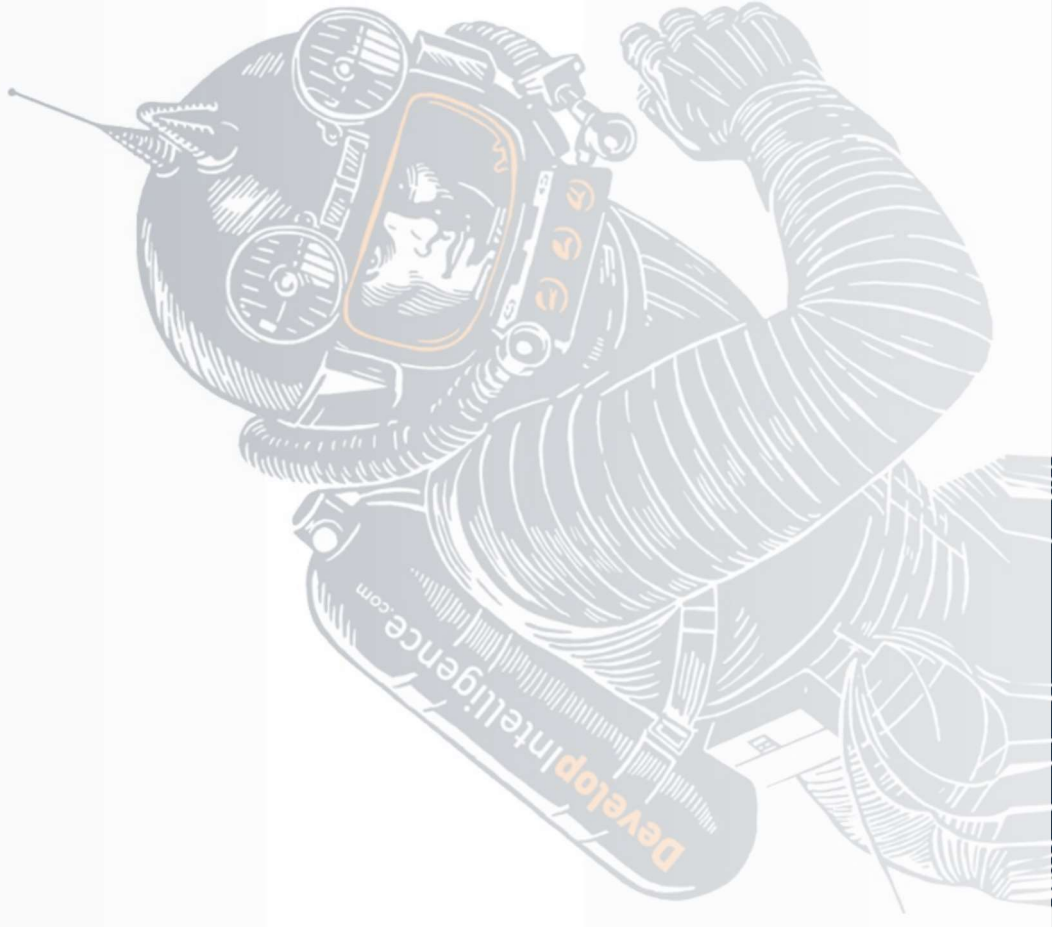
Develop  
Intelligence

1. Overview
2. The Product
3. The Schedule
4. The Day-to-day





# Overview





# Overview



- The good thing about agile: you make it your own
- Start the conversation with a 'generic' agile

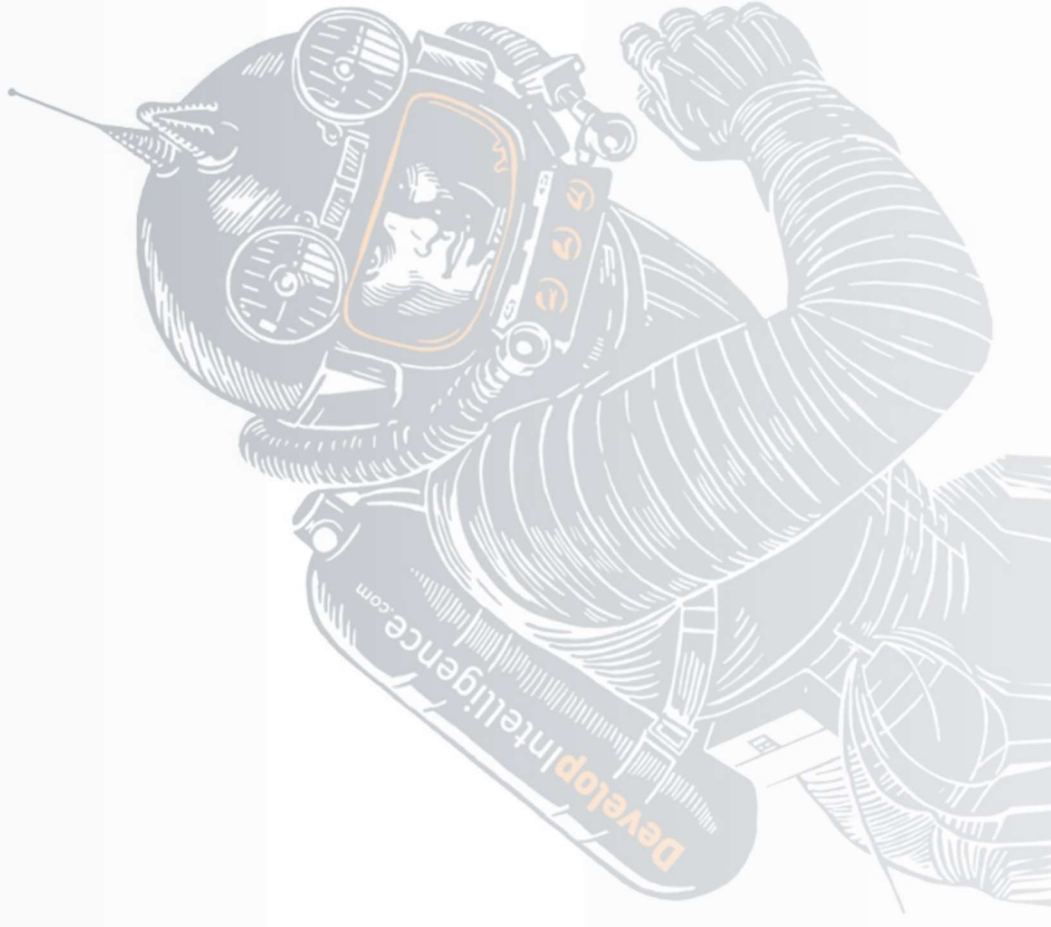


# Video

- What is Agile Methodology?
- Agile Methodologies

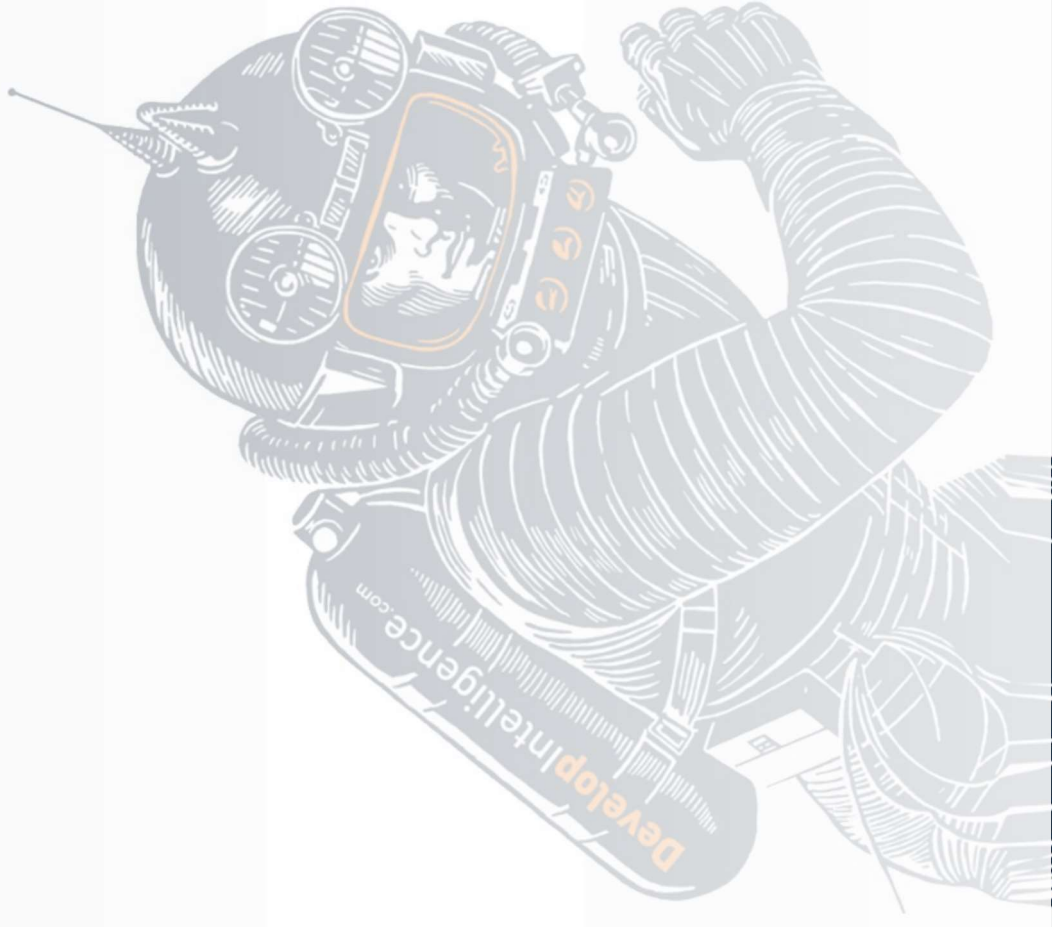








# The Product





# Overview



- Every project has requirements
- There are various ways to describe them



# User Story



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*Informal description of a feature or a requirement.*

- Agile way of thinking about requirements
- Often on cards (at least initially)



# Examples



- As the HR manager, I want to create a screening quiz so that I can understand whether I want to send possible recruits to the functional manager.
- As a manager, I want to browse my existing quizzes so I can recall what I have in place and figure out if I can just reuse or update an existing quiz for the position I need now.
- As a user, I can indicate folders not to back up so that my backup drive isn't filled up with things I don't need saved.



# Key Points

- Role
- Value
- Action





# Backlog



- List of features
- Prioritized
- Non-technical requirements

StoryID	Story	Size	Priority	Sprint	Owner	Status
U228	As an end-user I need to be able to contact the sales team.	Small	3	1	JBloggs	Scheduled
U229	As an administrator, I need to manage beverages.	Large	2	1		Scheduled
U230	As an end user I need to see the list of beverages.	Medium	3	TBD		Not Scheduled



# Video



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- Four Principles Lean Management







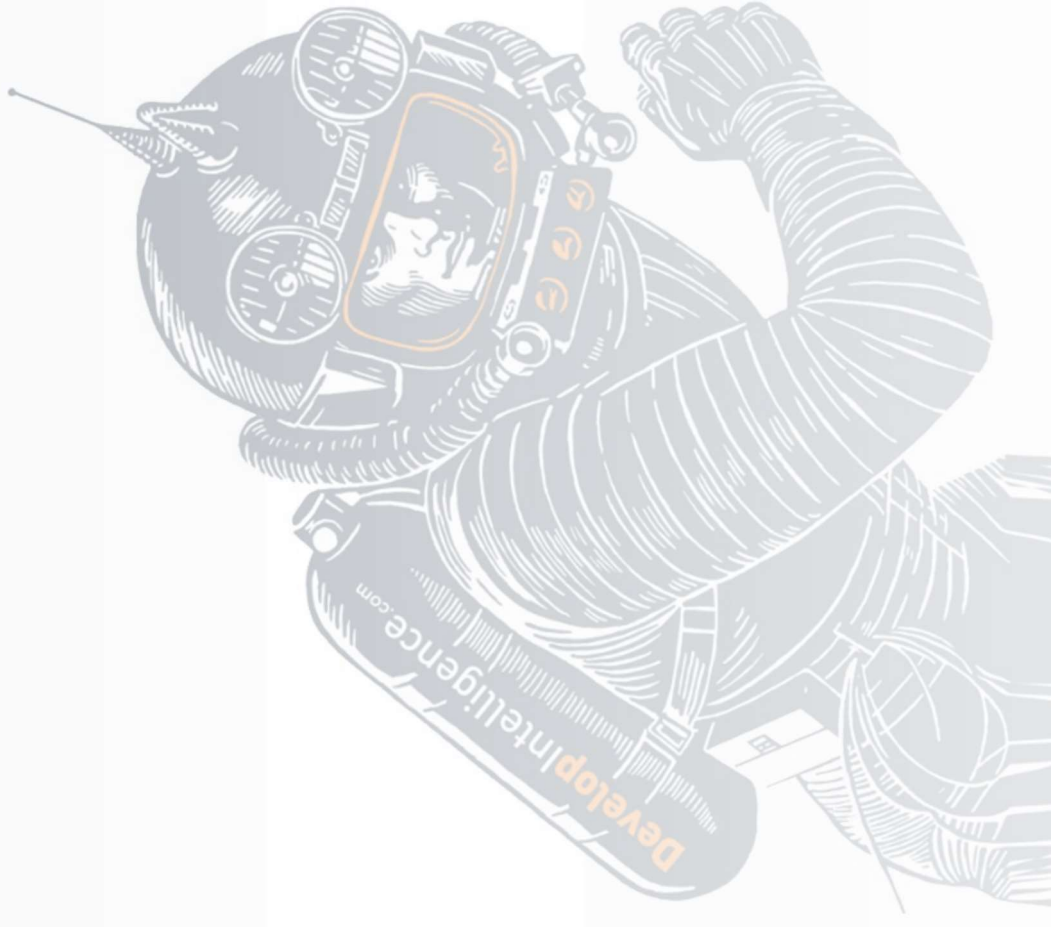
# Lab



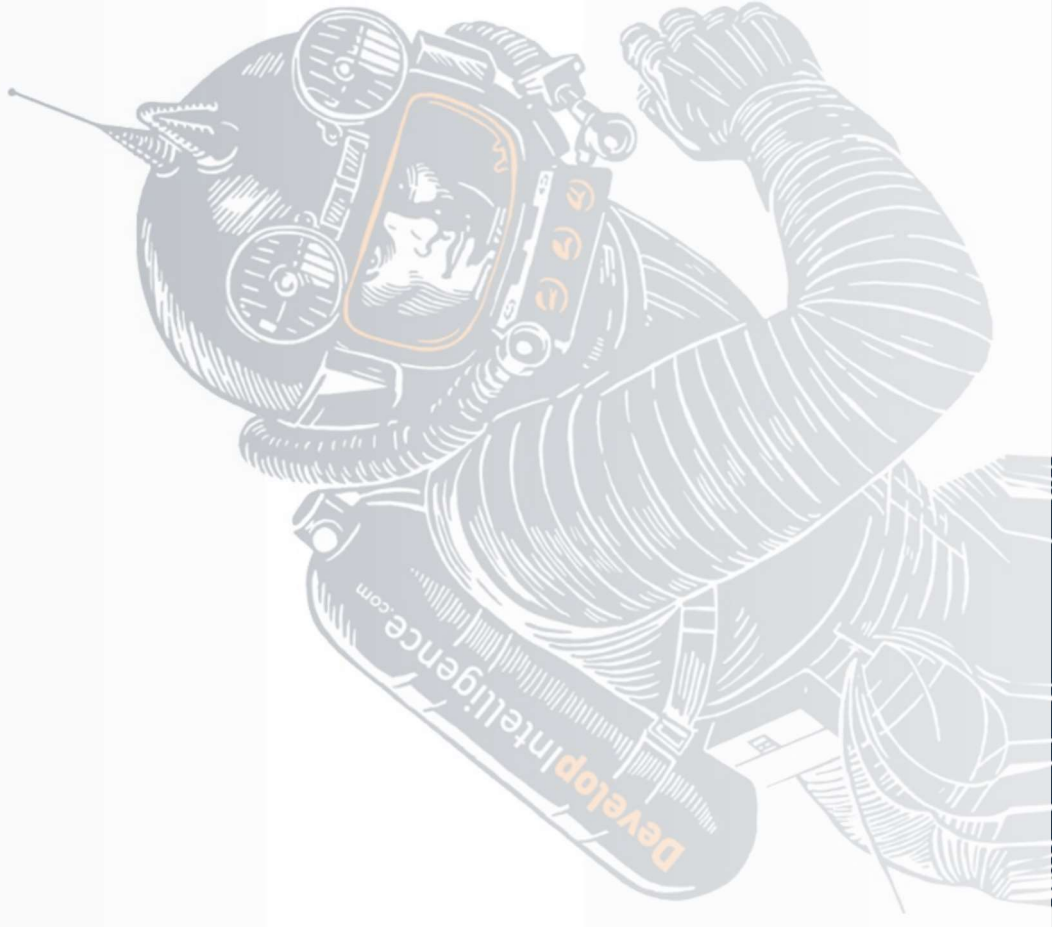
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- Product backlog





# The Schedule





# What's a Sprint?



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*In Agile product development, a sprint is a set period of time during which specific work has to be completed and made ready for review.*

- Sprints are fixed duration
- Usually 1 to 4 weeks



# Sprint Planning



*Each sprint begins with a planning meeting. During the meeting, the product owner (the person requesting the work) and the development team agree upon exactly what work will be accomplished during the sprint. The development team has the final say when it comes to determining how much work can realistically be accomplished during the sprint, and the product owner has the final say on what criteria need to be met for the work to be approved and accepted.*



# Kickoff



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- Decide on a theme
- Decompose stories into technical tasks
- Estimate
- Assign



# Sprint Backlog

- Contains discrete tasks
  - Reasonably sized: ~1 day of work maximum
  - Ideally associated with an artifact
- Work estimates
- Assignments

TaskID	User Story	Title	Description	AssignedTo	Priority	Status	Estimate
S1-T4483	U228	Previous Tickets - UI	This is the UI portion to create a way for the user to see previous tickets.	JBloggs	Normal	Not Started	6
S1-T4485	U228	Previous Tickets - API	Add an endpoint to the REST api exposing previous tickets.	JDoe	Normal	Not Started	8





# Artifact

- Specific deliverable
- Examples:
  - Feature
  - Document
  - Script





# Definition of Done



- Aka DoD
- Aka *Done is...*





# DoD Example

- Done Is
  - Meets story requirements
  - Checked In
  - Has unit tests
  - Code reviewed
  - Documented





# Estimation Approaches

- Story Points
- Fibonacci numbers
- T-shirt sizes
- Hours



# Estimation



- It's **hard**
- No 2 people are alike
- There's always uncertainty



# Don't Be the Hero

- Estimate an average case
  - Not the ideal





# Honesty (Cont...)



*The wisest and best salesman is always the one who bluntly tells the truth about his article. He looks at his prospective in the eye and tells his story. That is always impressive.*

*And if he does not sell the first time, he leaves a trail of trust behind. A customer, as a rule, cannot be fooled a second time by some shady or clever talk that does not square with the truth. Not the best talker wins the sale - but the most honest talker.*

*Being bluntly honest is always safe and best.*





# End of Sprint

- Often called a **retrospective**
- Often includes
  - Demo
  - What went right
  - What needs work





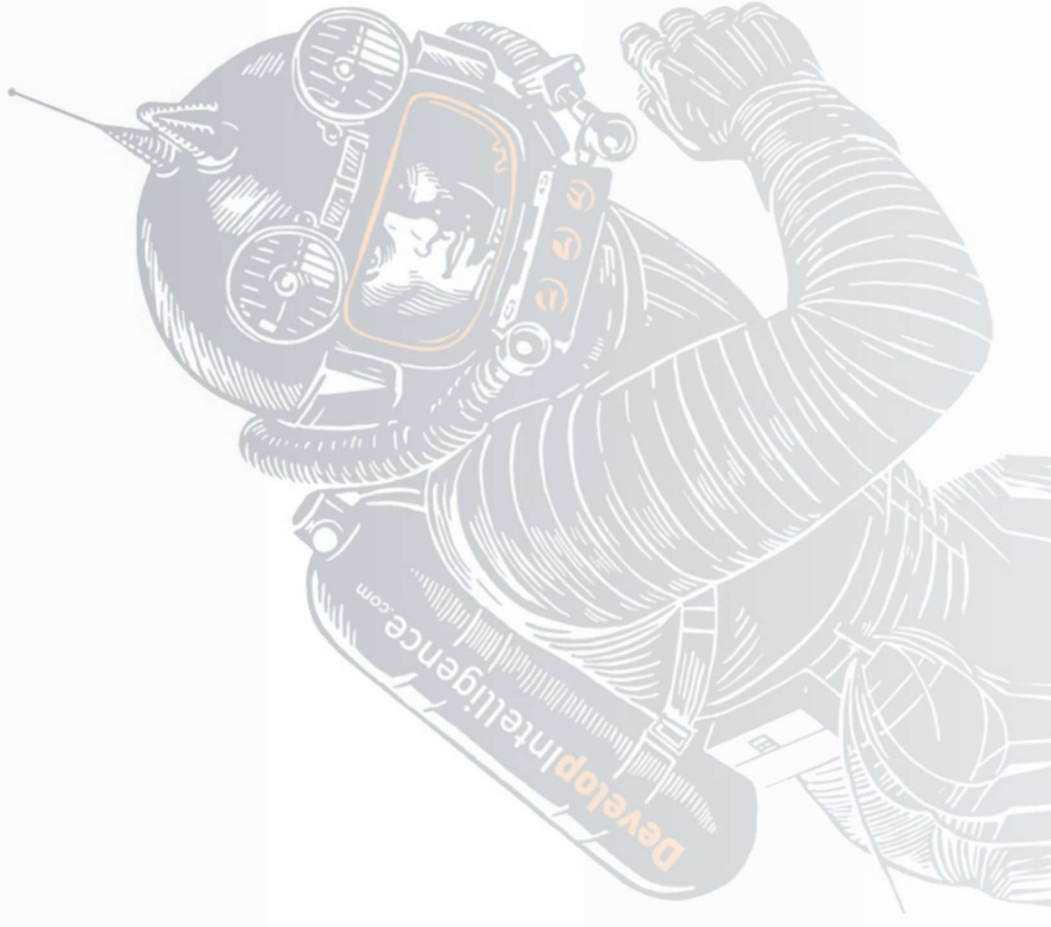
# Lab



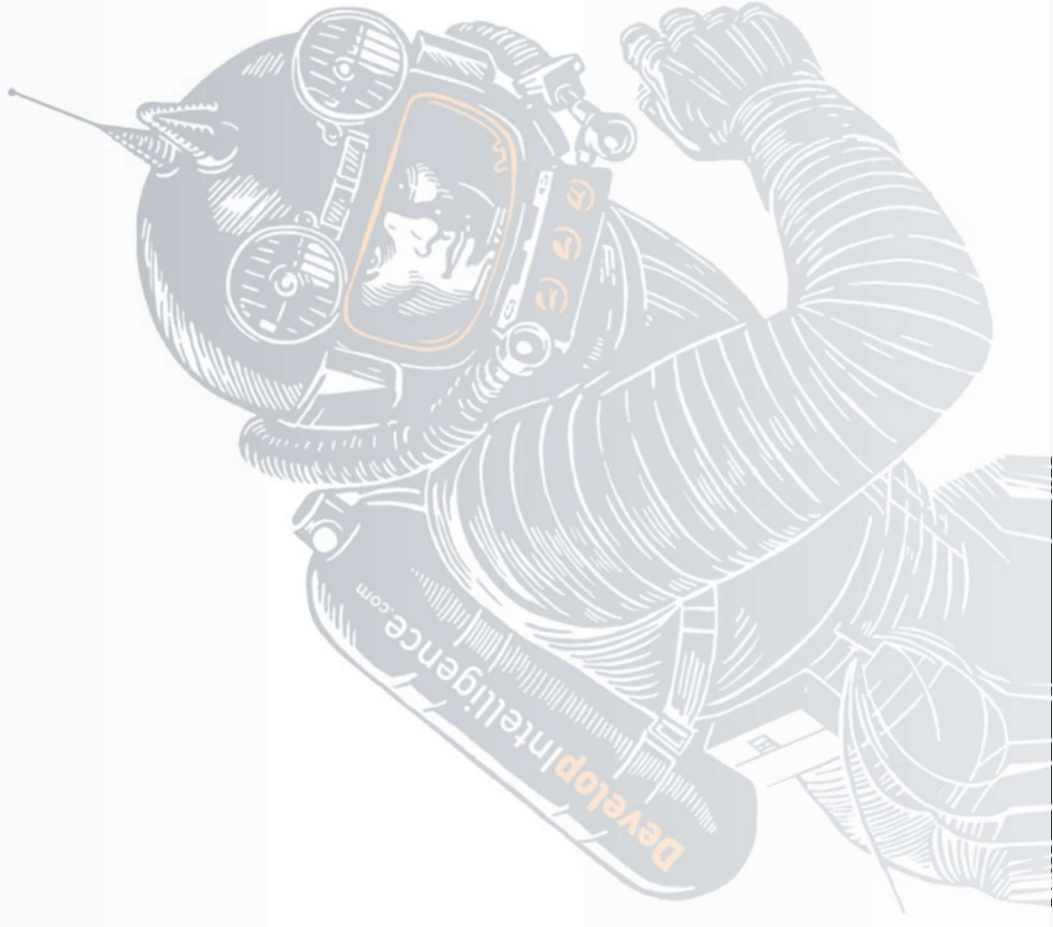
Develop  
Intelligence

- Sprint 0 Kickoff





# The Day-to-day





# Daily Standup



- Daily meeting, same time
- Short - ~ 10-20 minutes
- Discuss sprint progress
- View task board
- Aka 'scrum'



# Daily Standup

- Works well when
  - The team is relatively small
  - The team has some discipline
- Less so when
  - The team is huge
  - Everyone is in their own silo



# Chickens and Pigs



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*A pig and a chicken are walking down the road.  
The chicken says: "Hey Pig, I was thinking we  
should open a restaurant!"  
The pig replies: "Hm, maybe, what would we call  
it?"  
The chicken responds: "How about 'ham-n-  
eggs'?"  
The pig thinks for a moment and says: "No  
thanks. I'd be committed, but you'd only be  
involved."*







# Standup Attendees



- Pigs are mandatory
- Chickens are welcome
- Only pigs talk



# Formula



## Each Pig says:

1. What did you do yesterday?
2. What is your plan today?
3. Is anything blocking your progress?



# Example

- Yesterday--
  - I finished ST39, the snake list view
  - Got started on ST33, the snake editor control
- Today--
  - Hopefully finish ST33
  - Kim: I need some clarity on the accessibility requirements; let's take that offline.
- No Blocks



# Best Practices



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- Be concrete: mention the task number
- Be brief. A daily update shouldn't take more than a couple minutes
- Standup isn't the place for general discussion
  - Say, Joe, we need to discuss **HIPPA compliance**; let's take that offline



# Blocking Issues

- Aka -
  - Impediments
  - Roadblocks
  - Blocks
- Become the scrum masters responsibility



# Example Blockers

- The legal department won't call me back
- We still don't have the right software
- IT hasn't set up the server yet



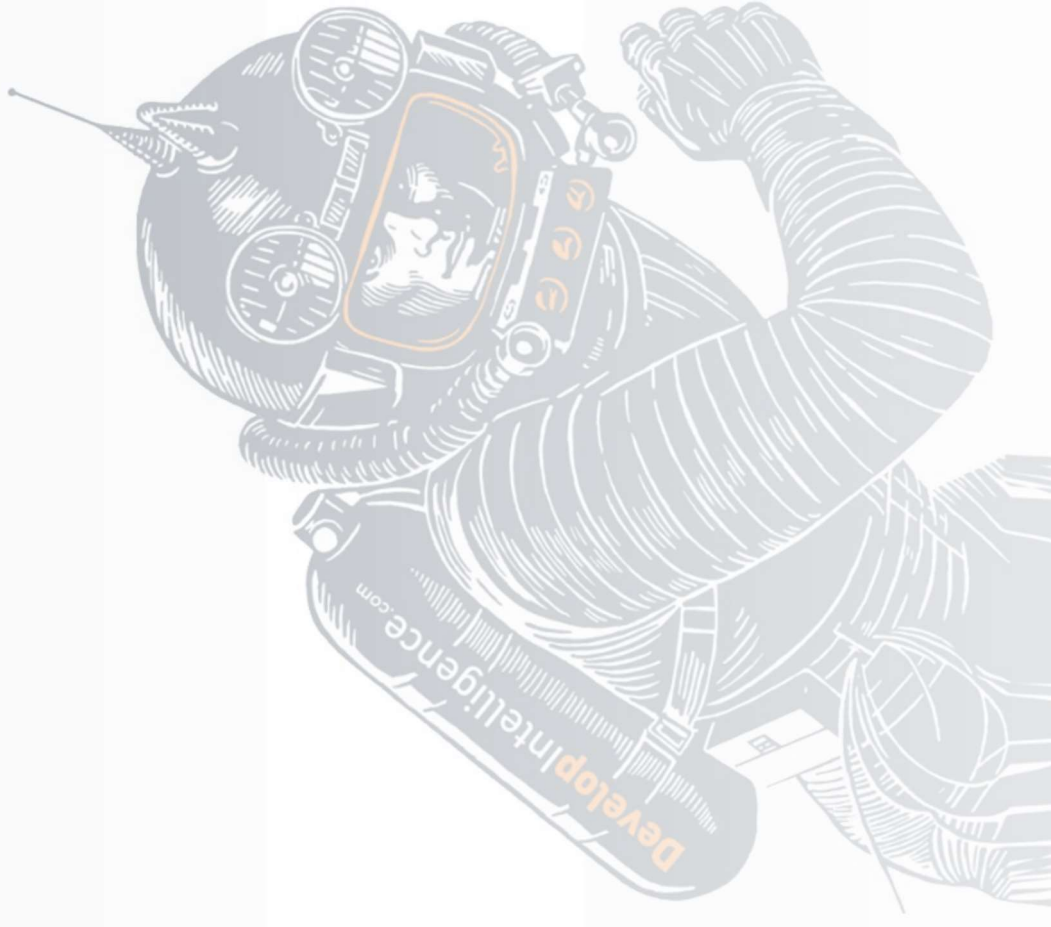


# Big board



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	Not Started	In Progress	Blocked	Done
Joe	Beverages list view	Login component		Rectangular Snip
Jane	Identity database	Set up build pipeline		
Lucy	Login component	Build Snakes API		
Kim		Snake List View	Spike: HIPAA Compliance	
Darren		Snake Editor Control		







# Review



Develop  
Intelligence

1. Explain the purpose of a 'stand-up' meeting
2. Define the term 'sprint'

