

# Ivan Portilla

Mines ....

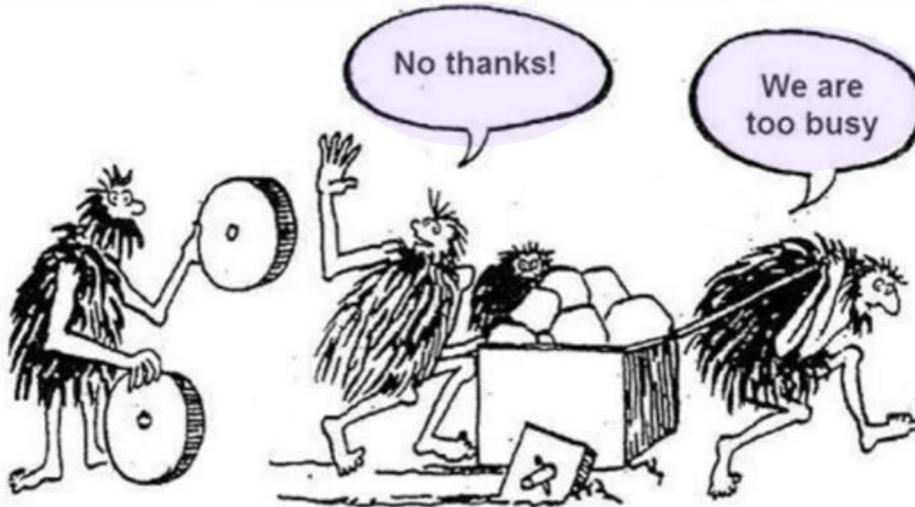


- Author & keynote speaker, recognized for my innovative work in data science, robotics and artificial intelligence.  
Member of the AI community in Colorado (CSM, CU, FRCC, SVVSD IC).
- Current role as AI leader at Ricoh-USA  
1 year at MSFT (OpenAI/ChatGPT)  
25 years at IBM (Watson)
- TedEx talk & contributions at  
<https://github.com/jiportilla/giveback>

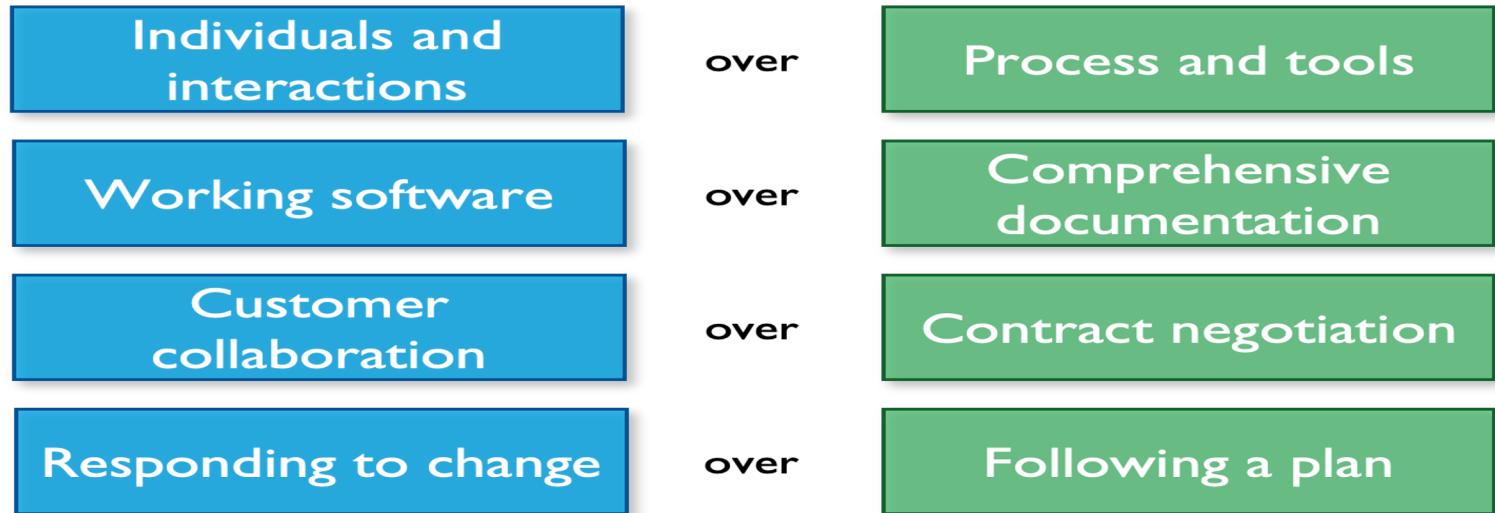


COLORADO SCHOOL OF MINES  
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# Why Agile?



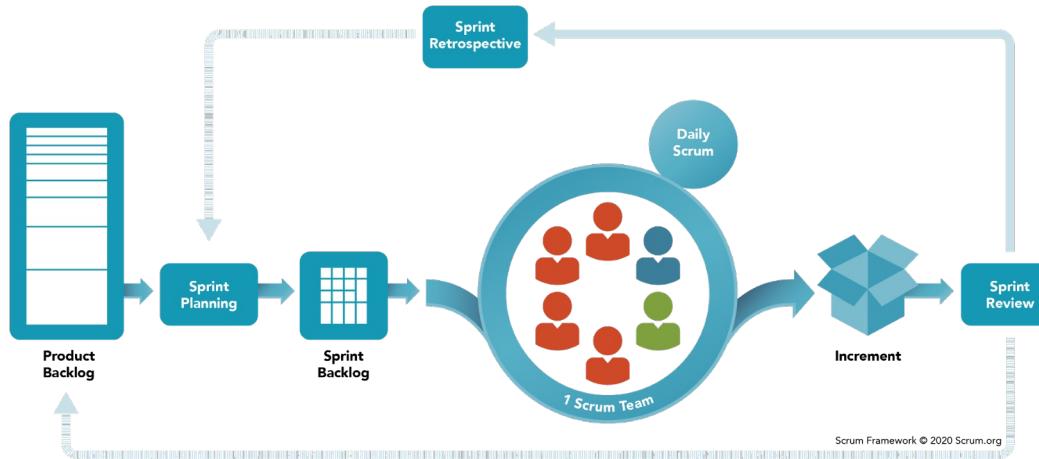
# The Agile Manifesto—a statement of values

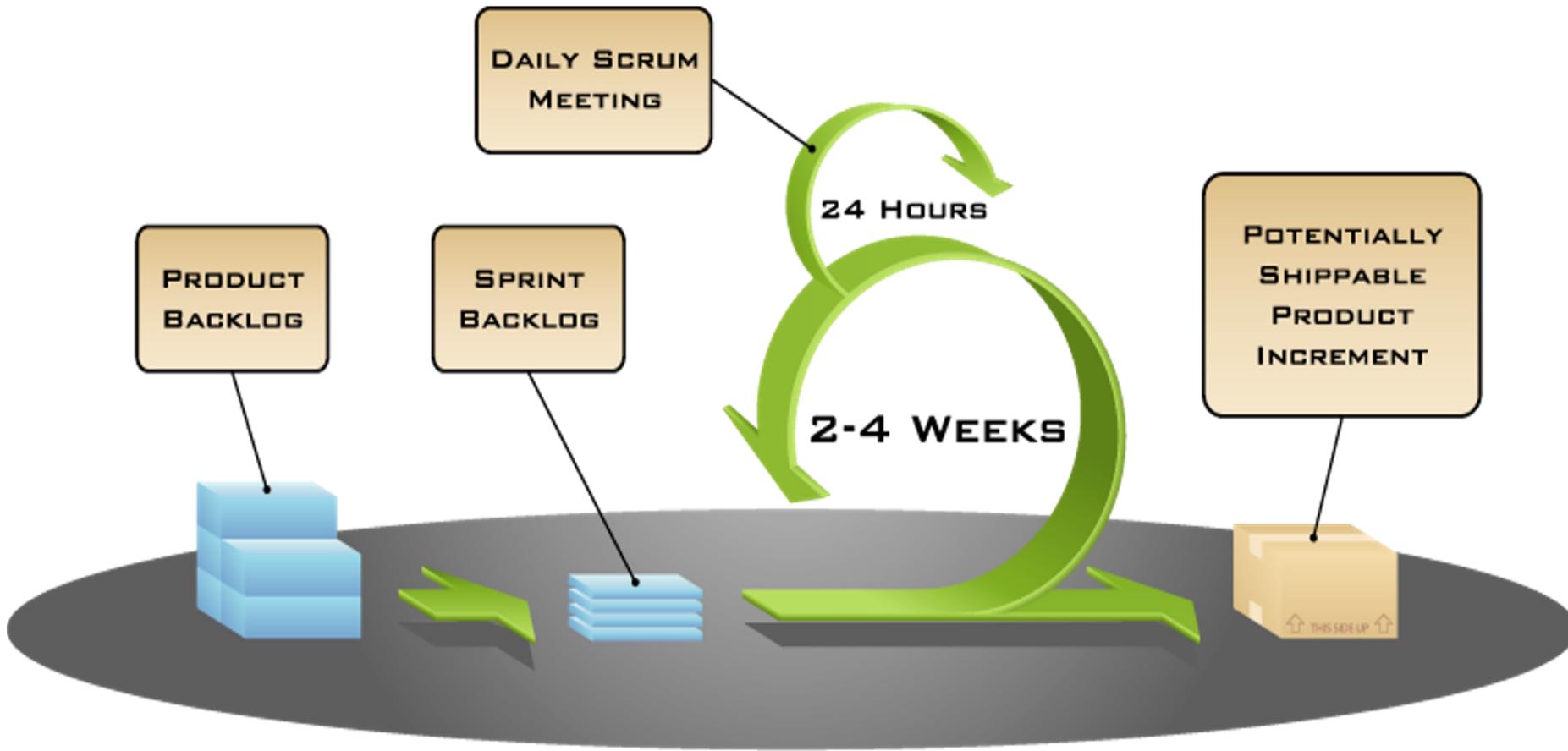


[Source: www.agilemanifesto.org](http://www.agilemanifesto.org)

# Agile Model

**Scrum** is an implementation of the **Agile Model** and it is the most widely-used one.





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# Scrum Framework

## Roles

- Product owner
- ScrumMaster
- Team

## Ceremonies

- Sprint planning
- Sprint review
- Sprint retrospective
- Daily scrum meeting

## Artifacts

- Product backlog
- Sprint backlog
- Burndown charts

# Daily Scrum

**Everyone answers 3 questions**

1

What did you do yesterday?

2

What will you do today?

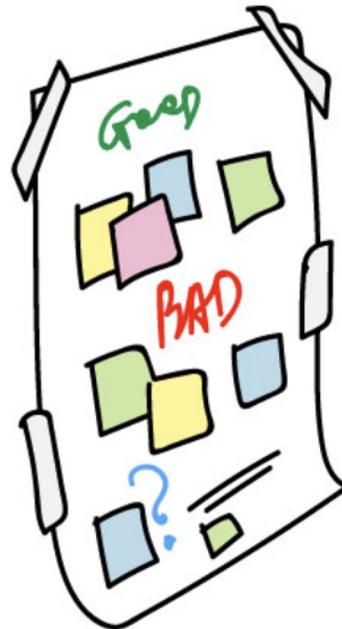
3

Is anything in your way?

- These are **not** status for the ScrumMaster
  - They are commitments in front of peers

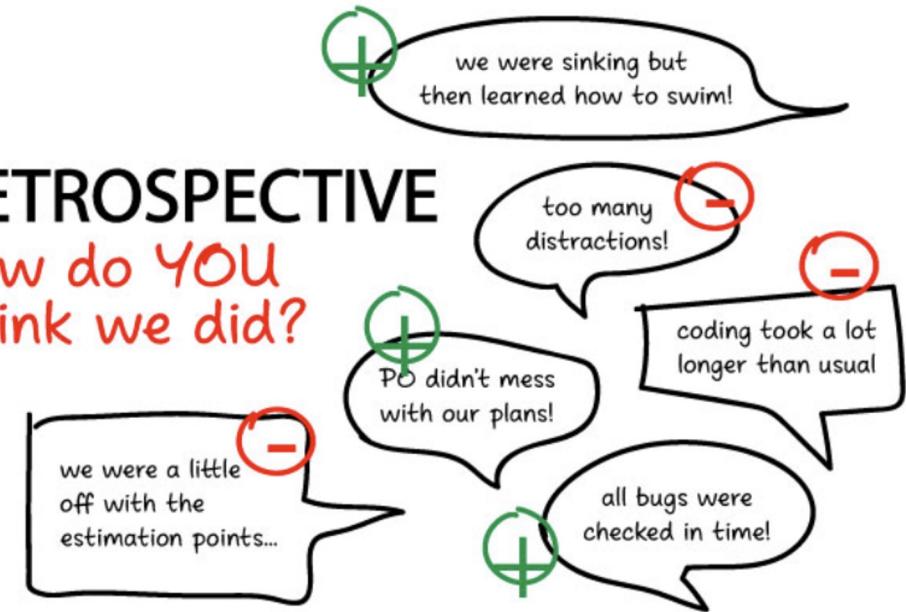
# Sprint Retrospectives

"I have not failed.  
I've just found  
10,000 ways that  
won't work."  
-- Thomas A. Edison

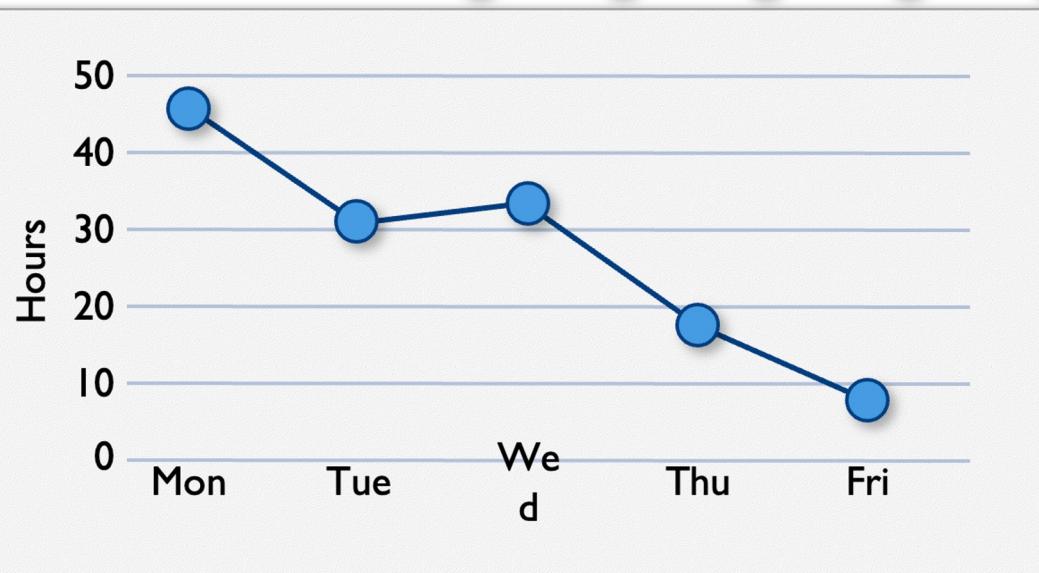


## RETROSPECTIVE

how do YOU  
think we did?



Tasks	Mon	Tues	Wed	Thur	Fri
Code the user interface	8	4	8		
Code the middle tier	16	12	10	7	
Test the middle tier	8	16	16	11	8
Write online help	12				



Requirements

Design

Code

Test



Rather than doing all of  
one thing at a time...

...Scrum teams do a little  
of everything all the time



# Questions?

