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Tuesday - Week 4

Agile & Sprint

Agile

- Agile is an SDLC

- There are many other SDLCs

- Here is a link that succinctly describes the common ones: https://existek.com/blog/sdlc-models/

Scrum & Sprint

- Scrum is an extension of Agile,

- It is a framework for managing the development process

- That means it includes:

  - Roles
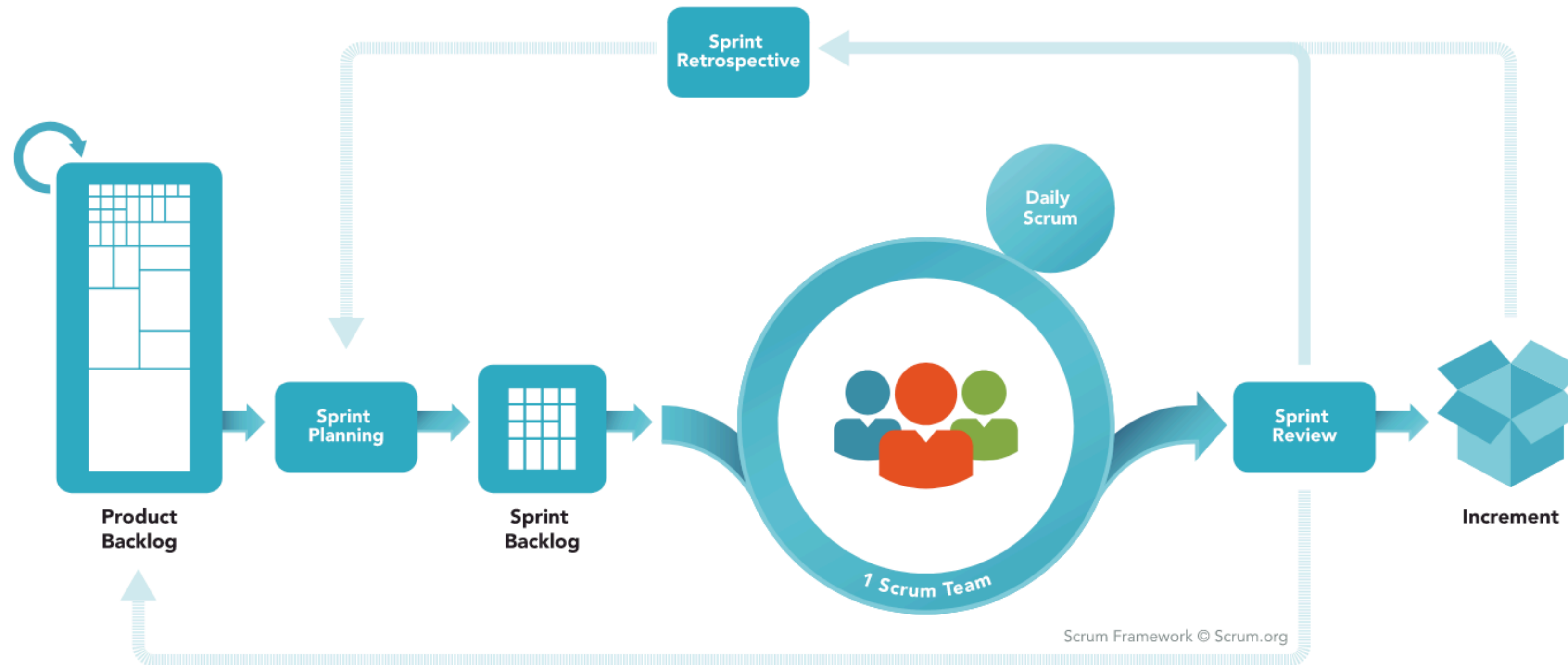
  - Tools

  - Mechanism

  - Concepts

Scrum roles

- Scrum Masters
  - There can be only one
- Developers
  - Those who make code
- Stakeholder / Client / Product Owner
  - Actually an intermediary

Tools mechanism and concepts ...

SCRUM FRAMEWORK

Sprint Retrospective · Product Backlog · Sprint Planning · Sprint Backlog · Daily Scrum · 1 Scrum Team · Sprint Review · Increment

Scrum Framework © Scrum.org

Scrum.org

Gratuitous Links

- https://toggl.com/developer-methods-infographic/

- https://blog.toggl.com/world-created-programmer/

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Project Planning

Making things work

- Beyond just programming
  - Roles beyond coding
  - Roles change, be flexible

- Use the tools that work for you

Making things work

- Sprint planning

  - Backlogs

- Tasks

  - Daily

  - Sprint

- Review

Tasks & Planning

- Software

    - Trello - https://trello.com

    - Or one of a million others

- Physically

    - Whiteboard and/or post-it notes

Testing

- We've looked ta JUnit

  - Use it

  - Or an alternative

- Plan for edge cases …

Review

- Code review
  - Git merges work as a good point to review code quality

  - Dedicate time to QA - testing of software

Time Management

- There should be a manager who has a good grasp of this
  - Don't be afraid to speak up
  - This is what daily stand ups are for

- Programming is not a solo-sport

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Task

Task 20 - Some repetition

- In pairs build a small solution that displays information form an API

- Choose an API from https://github.com/toddmotto/public-apis

- Choose a technique from https://builttoadapt.io/whats-the-best-way-to-pair-a8699f9beb81