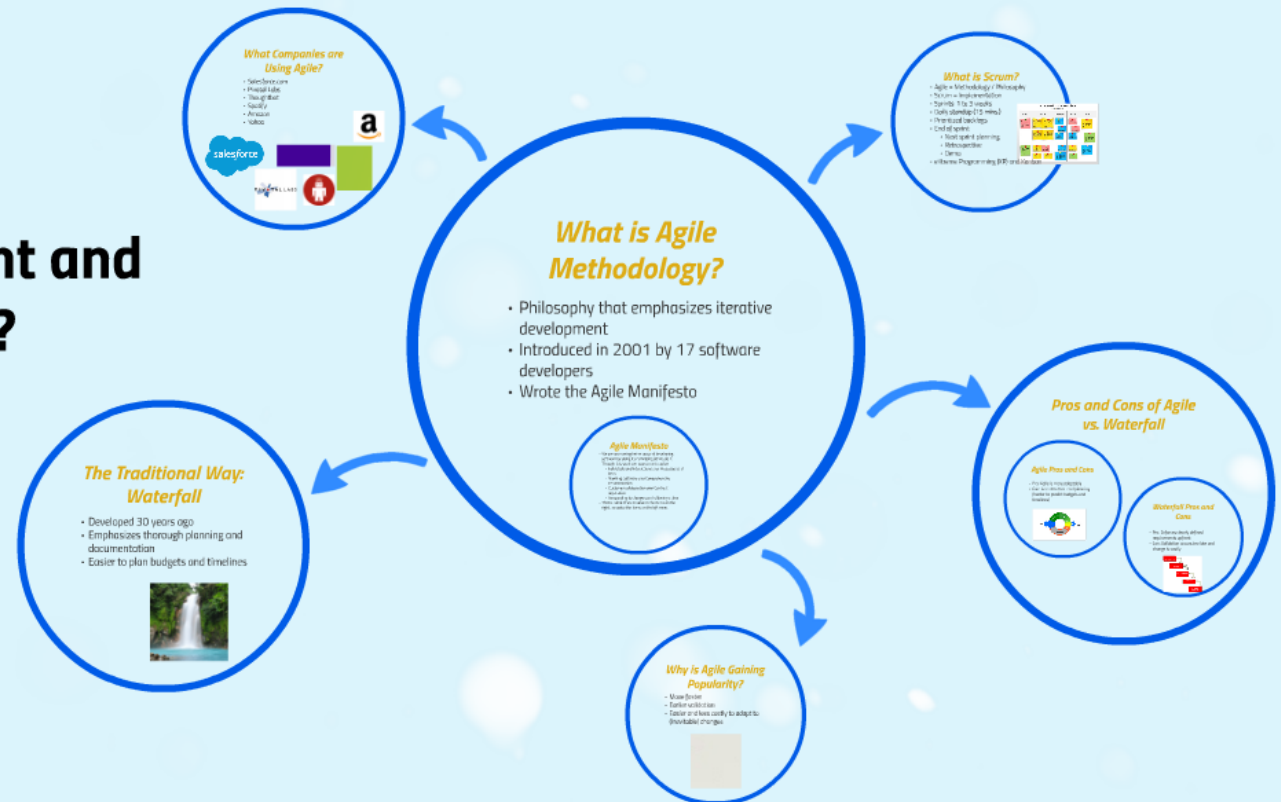
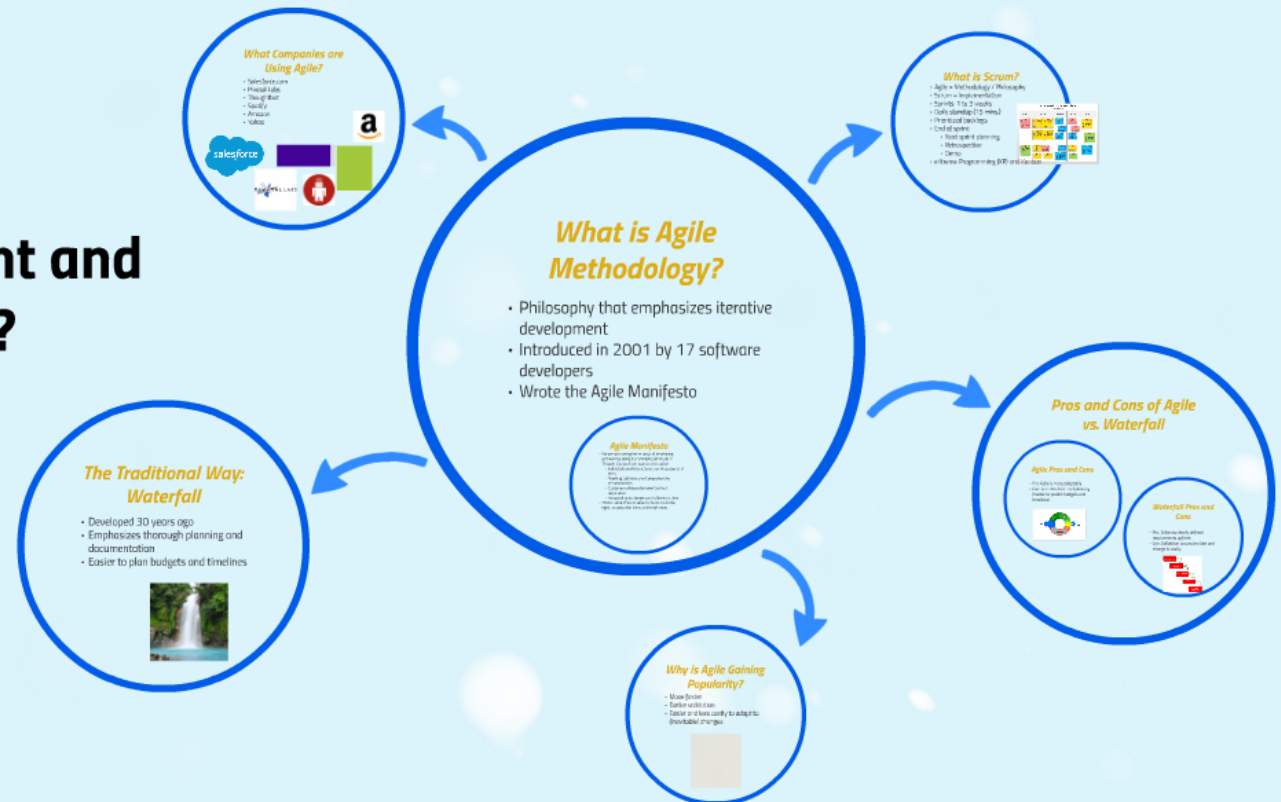
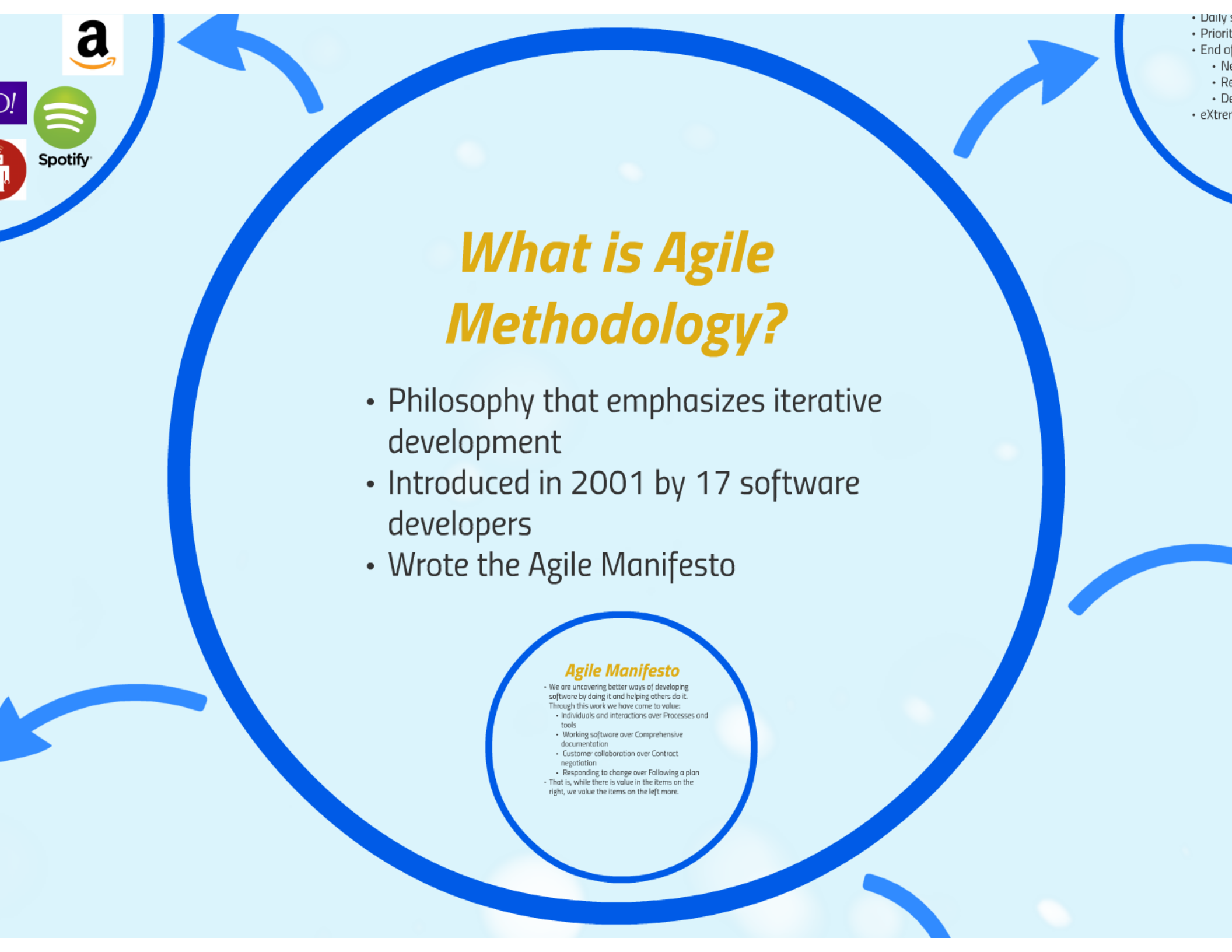


What is Agile Development and Why Is It Getting Popular?



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Agile Manifesto

- We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:
 - Individuals and interactions over Processes and tools
 - Working software over Comprehensive documentation
 - Customer collaboration over Contract negotiation
 - Responding to change over Following a plan
- That is, while there is value in the items on the right, we value the items on the left more.

What Companies are Using Agile?

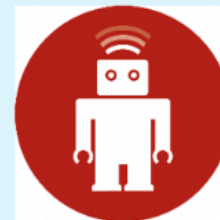
- Salesforce.com
- Pivotal Labs
- Thoughtbot
- Spotify
- Amazon
- Yahoo

The Salesforce logo is a blue cloud shape with the word "salesforce" in white lowercase letters.

salesforce

The Yahoo! logo is a purple rectangle with the word "YAHOO!" in white uppercase letters.

YAHOO!



Spotify®



The Traditional Way: Waterfall

- Developed 30 years ago
- Emphasizes thorough planning and documentation
- Easier to plan budgets and timelines



Pros and Cons of Agile vs. Waterfall

Agile Pros and Cons

- Pro: Agile is more adaptable
- Con: Less structure and planning (harder to predict budgets and timelines)



Waterfall Pros and Cons

- Pro: Enforces clearly defined requirements upfront
- Con: Validation occurs too late and change is costly



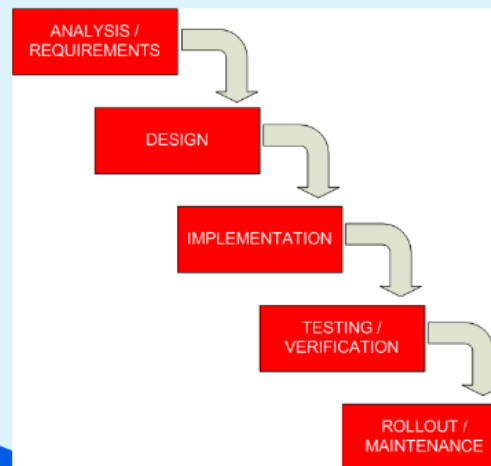
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What is Scrum?

- Agile = Methodology / Philosophy
- Scrum = Implementation
- Sprints: 1 to 3 weeks
- Daily standup (15 mins.)
- Prioritized backlogs
- End of sprint:
 - Next sprint planning
 - Retrospective
 - Demo
- eXtreme Programming (XP) and Kanban

Scrum Task Board Template

Company name

Stories	To Do	In Progress	Testing	Done
<div><div>This is a sample text. Replace it with your own text.</div></div>	<div><div>This is a sample text. Replace it with your own text.</div><div>This is a sample text. Replace it with your own text.</div><div>This is a sample text. Replace it with your own text.</div><div>This is a sample text. Replace it with your own text.</div></div>	<div><div>This is a sample text.</div><div>This is a sample text.</div><div>This is a sample text.</div></div>	<div><div>This is a sample text.</div><div>This is a sample text.</div><div>This is a sample text.</div></div>	<div><div>This is a sample text. Replace it with your own text.</div><div>This is a sample text. Replace it with your own text.</div></div>
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Why is Agile Gaining Popularity?

- Move faster
- Earlier validation
- Easier and less costly to adapt to (inevitable) changes



What is Agile Development and Why Is It Getting Popular?

