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(Brush & Silverthorne, 2022) (Laoyan, 2024) (Nasehi, 2013)

**Agile Software Development's Challenges:**

* ***Scope creep:*** Because of agile’ s flexibility, features may be added continuously, diluting the project's initial objectives and perhaps raising expenses and delivery delays.
* ***Problems with Team Collaboration:*** Agile calls for tight teamwork. Ineffective communication and a lack of cohesiveness within the team might result in miscommunication and inefficiencies.
* ***Customer Engagement:*** Agile demands ongoing customer engagement. Customers who are unavailable or disengaged may have inflated expectations and produce a subpar product.
* ***Difficulties with Documentation:*** Agile places greater emphasis on functional software than thorough documentation. Teams that require comprehensive documentation for regular upkeep or adherence to regulations may find this to be challenging.
* ***Difficulty in Scaling:*** Agile is great for small teams, yet it might prove tough to scale to bigger projects or distributed teams. It can be challenging to keep huge teams communicating and coordinating at the same degree of agility.

**Agile Software Development's advantages include:**

* ***Flexibility and Adaptability:*** Agile enables teams to quickly adjust to alterations brought about by shifting market conditions or client demands. As a result, the product better satisfies user needs.
* ***Customer Satisfaction:*** Constant customer input lowers the possibility of offering an undesired or useless product by ensuring that it lives up to expectations.
* ***Faster Delivery:*** Agile's iterative process makes it possible for software to be released more quickly, giving users access to features earlier. This aids in the early detection and resolution of problems during the development cycle.
* **Increased Quality**: Agile's iterative methodology, which incorporates regular testing and review, produces software that is more error-free and has fewer problems.
* ***Improved Collaboration:*** Agile fosters improved communication, creativity, and solving issues between team members and consumers.

Agile software development is not without its drawbacks, although they are usually outweighed by the advantages it offers. they challenges include the possibility of scope creep, communication problems, and scaling issues. Agile is a useful methodology for numerous groups because of its adaptability, emphasis on client happiness, and speed at which high-quality software may be delivered. As a result, I disagree that Agile has more drawbacks than advantages. Effective implementation may often reduce the problems, and Agile offers substantial benefits, especially in contexts that are customer-centric and adaptive.

# References

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