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TOPIC:

Age Methodology

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GROUP:

10B

SUBJECT:

Architecture specification

TEACHER:

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Agile Methodology Selection: SCRUM

SCRUM is one of the most popular Agile methodologies, designed to manage complex software development projects through iterative and incremental processes. It emphasizes teamwork, accountability, and adaptability to changing requirements, making it a robust framework for delivering high-quality products.

What is SCRUM?

SCRUM is a framework that organizes work into **time-boxed sprints**, typically lasting 1-4 weeks. Key roles in SCRUM include:

- **Product Owner:** Defines the product vision and prioritizes the backlog.
- **Scrum Master:** Ensures the team adheres to SCRUM principles.
- **Development Team:** Executes tasks to deliver increments.

SCRUM meetings, such as **daily stand-ups**, **sprint reviews**, and **retrospectives**, foster collaboration and continuous improvement.

Why Choose SCRUM?

1. **Adaptability:** SCRUM thrives in dynamic environments, where requirements frequently change.
2. **Transparency:** Regular meetings and sprint reviews ensure all stakeholders stay informed.

3. **Incremental Delivery:** Work is delivered in small increments, enabling faster feedback and reducing risks.
4. **Focus on Value:** The prioritized backlog ensures the team works on high-value features first.
5. **Team Collaboration:** SCRUM promotes strong teamwork and ownership through self-organized teams.

Selection: SCRUM is chosen for its ability to manage evolving requirements effectively, deliver consistent results, and enhance team collaboration. It is particularly well-suited for projects where customer feedback and iterative delivery are critical to success.