

# SE\_DAY4\_Software-Project-Management

1. Delivering software on time is key because it keeps clients happy, avoids extra costs, and ensures resources are used well. Delays can hurt trust and business opportunities.
2. Controlling costs helps avoid going over budget, ensures resources are used properly, and helps make a profit.
- 3.

**Agile:** A flexible approach that focuses on feedback.

- **Pros:** Adapts easily to changes and encourages teamwork.
- **Cons:** Can lead to too many changes and needs constant input from stakeholders.

**Waterfall:** A step-by-step approach with clear phases.

- **Pros:** Easy to manage and track progress.
- **Cons:** Harder to adapt to changes and may waste time if requirements shift.

4. **Agile:** Good for projects with changing requirements, like app development.

**Waterfall:** Better for projects with fixed requirements, like construction or regulatory work.

5. **Methods:**

- **Automated Testing:** Use tools to test the software automatically.
- **Code Reviews:** Have team members check each other's work.
- **User Testing:** Get real users to try the software.

**Importance:** Keeping quality high ensures users are happy and reduces issues after release.

6. **Contribution:** Clearly defining what the project will and won't include helps prevent misunderstandings.

**Work Breakdown Structure (WBS):** This is a way to break the project into smaller parts to organize tasks and track progress.

7. **Better Resource Use:** Makes sure resources are used wisely.

**Time Management:** Helps spot potential delays.

8. **Core Issues:** Identify specific problems your software solves, like making processes easier.
9. **Importance:** Clearly stating the problem helps ensure the software you create effectively addresses user needs.
10. Focus on the benefits instead of technical details, like saying, "Our software helps teams communicate better."
11. Highlight what makes your software unique, like easy-to-use design or special integrations.
12. **Data:** Look for information about demand and growth in the market from reports and surveys.
13. Knowing market trends helps you understand user preferences and competition, guiding what features to develop and how to market your software.