

Software Design minute paper

★ You can choose language you use as you like. 記入は日本語でも英語でも良いです。

Date : 2024-07-16

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Today's topics : Software Process

(Describe your summary in each blank below. You can adjust (increase or decrease) spaces as you like.
以下のそれぞれの項目の下に要点を記載。スペースは自由に増減して良い。)

[What you learned (学んだこと)]

I learned about various software development processes and methodologies. This includes understanding different models and their applications, such as the Waterfall model, Agile methodologies, and Incremental development. Each model has its own strengths and weaknesses, and the choice of model depends on the project's requirements and constraints.

Key points discussed include:

- **Waterfall Model:** A linear and sequential approach where each phase must be completed before the next one begins. It is straightforward but inflexible to changes.
- **Agile Methodologies:** Focus on iterative development, customer collaboration, and flexibility to changes. Agile promotes adaptive planning and continuous improvement.
- **Incremental Development:** Develops the system in small, manageable increments, allowing parts of the system to be deployed and tested early.

The lesson also covered essential principles of Agile, such as customer involvement, incremental delivery, embracing change, and maintaining simplicity. Additionally, specific Agile practices like test-first development, pair programming, and continuous integration were highlighted.

[What you need to learn more (更に学びが必要だと思うこと)]

I need to gain more practical experience with different software development methodologies to understand their real-world applications better. Practicing Agile techniques and tools will help me become more proficient in managing and executing projects. Additionally, learning more about how to balance flexibility and structure in various project scenarios would be beneficial.

[Misc. Comments and/or questions (その他 所感・質問等)]

Understanding how to effectively transition between different development methodologies based on project needs would be useful. Additionally, learning best practices for documenting and communicating process changes and progress to stakeholders is important.