

Learning Journal

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Course: Software Project Management (SOEN 6841)

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Key Concepts Learned

During this week the focus was on project closure, emphasizing the final phase of a project and the steps necessary for a smooth close-out. Essential tasks include delivering the final components, managing and finalizing source code, and archiving metrics for future reference. The key focus was to discuss future scope of the project and necessary improvements. Then we moved to software lifecycle management, exploring software development stages and the role of quality assurance at each phase. We also explored different lifecycles models specifically, Agile methodology and spiral model. Agile is best suitable for projects with frequent requirement changes and market adaptation while being iterative method. whereas, spiral model is more suitable with projects having high risk of failure, it provides risk mitigation techniques. We also examined some other SDLC models which eventually helped us understand how to select the most suitable model based on specific project needs and objectives.

Application in Real Projects

The concepts of project closure and software lifecycle management can directly be applied to the real-world software projects. Most of the organization following these approaches are achieving their goals effectively. Project closure methods are important for organized wrap-up of the software project and to learn from the past mistakes, so it won't be repeated in future projects.

Peer Interactions

This week, we discussed about the project closure processes and discussed them in regard of our class project. We also did one activity in which we took software projects from different domains like AI, Web Application, Game and discussed which software lifecycle management is best suitable for these projects.

Challenges Faced

One significant challenge was grasping the detailed application of requirement validation, especially within iterative models. It proved complex to manage change cycles without impacting the progress of active project phases. Aligning customer expectations with project limitations when requirement changes frequently was also challenging. It required careful consideration to balance adaptability with maintaining project structure and control. This aspect still needs further analysis to determine the optimal level of flexibility.

Personal Development Activities

Explored the tools like JIRA and SCRUM used in agile methodology for project management. Also took a deep dive into Hybrid SDLC modeling where we can combine more than one SDLC and can take advantages of both. Also for class project started working on project budgeting and read research papers about how to get near to accurate cost estimation for the project.

Goals for the Next Week

Next week I will be working on completing project budgeting part and will also

learn about some of the project closure techniques that some of the well known organization uses.