

## Learning Journal 4

**Student Name:** Mohsin Feroz

**Course:** Software Project Management

**Journal URL:** <https://github.com/mohsin-681/SoftwareProjectManagement/tree/main>

**Dates Range of activities:** 02/11/2024 – 09/11/2024

**Date of the journal:** 09/11/2024

**Key Concepts Learned:** The focus was on three main topics: Project Closure, Software Lifecycle Management, and Requirements Management. I learned about the final stages of a project, particularly the importance of formal project closure. Activities include validating project deliverables, managing source code versions, and filtering project metrics data. I also learned about various lifecycle models used in software development, such as the Waterfall and Iterative models. The concept of "quality gates" was discussed, providing checkpoints to ensure high-quality software throughout the lifecycle. Understanding and managing customer requirements are crucial in software projects. I learned about the process of gathering, analyzing, and documenting requirements. It also emphasized the need for a configuration management system to handle requirement changes.

**Application in Real Projects:** The project closure techniques are useful for wrapping up projects with a structured approach, which can prevent post-delivery issues and support project evaluation. Lifecycle management techniques enable me to select suitable models based on project needs, such as choosing SCRUM for projects requiring flexibility. Finally, the emphasis on requirements management highlights the importance of capturing changing customer needs and managing changes.

**Peer Interactions:** I am collaborating with my group members for the upcoming submission. We are contributing to different parts of the deliverable and there is lot of interaction. We are having lots of discussions and meetings to improve our project submission.

**Challenges Faced:** The main challenge was differentiating when to use the Waterfall model versus iterative models, as both have unique benefits and limitations. Additionally, understanding requirement validation and managing changes in a way that minimizes project disruptions required additional study and group discussions.

**Personal development activities:** I have gone through the book by Ashfaque Ahmed and completed the exercises. I revisited sections on quality gates and configuration management in order to strengthen my knowledge of quality assurance processes within the project lifecycle. This included researching more about SCRUM and iterative models to understand their specific workflows and benefits.

**Goals for the Next Week:** For the upcoming week, I will be focusing more on the upcoming quiz and group submission.