

Learning Journal 4 : Chapter 8 and 9

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Course: Software Project Management [SOEN 6841]

Journal URL: https://github.com/rikinchauhan01/Software_Project_Management_Course/

Dates Range of activities: 3-November-2024 to 9-November-2024

Date of the journal: 9-November-2024

Key Concepts Learned:

- **Project Closure:** Assessing project objectives, managing code changes with version control, organizing project data for easy access, and documenting insights to improve future strategies.
- **Software Lifecycle Management:** Exploring the role of software engineering in project outcomes through the SDLC, from requirements gathering to design, development, and testing. Comparing linear (Waterfall) and adaptive (Iterative) models, with a focus on work products, deliverables, and quality assurance practices to ensure high software standards and efficient handling of rework.

Application in Real Projects:

- **CRM (Customer Relationship Management)** system implementation, each SDLC phase has specific deliverables: requirement documents from the gathering phase, wireframes and prototypes from design, source code and feature modules from development, and bug reports and test cases from testing.

Peer Interactions:

- Engaged in a discussion comparing Waterfall and iterative approaches, highlighting the flexibility of iterative models in fast-evolving tech projects. Collaborated with classmates on implementing quality checkpoints and automated testing to enhance quality assurance. Consulted with the professor on managing rapid development cycles by prioritizing features.

Challenges Faced:

- **Process Complexity:** Breaking down the structured approach for managing final deliverables to guarantee that all project outcomes meet client expectations.
- **Model Selection:** Gaining a deep understanding of the distinctions between Waterfall and iterative models, along with the ability to choose the appropriate model for various project needs.

Personal development activities:

- Simulated real-world project scenarios to analyze the effectiveness of Waterfall versus iterative development models.
- Leveraged project management and quality assurance tools (like JIRA and automated testing suites) to understand quality checkpoints and enhance risk mitigation practices.

Goals for the Next Week:

- Reviewing key concepts from Chapters 8 and 9 to prepare for the upcoming quiz.
- Participating in group meetings for project presentation feedback and collaboration with the Teaching Assistant.