

Learning Journal Template

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Course: Software Project Management (SOEN 6841)

Journal URL: <https://github.com/AmishNavadia/SOEN-6841-Amish-Navadia/>

Dates Range of activities: 13th Jan 2025 to 26 Jan 2025

Date of the journal: 28th Jan 2025

Key Concepts Learned:	Application in Real Projects:	Peer Interactions:	Challenges Faced:	Personal development activities:	Goals for the Next Week:
<u>Week : 1</u> 1) Projects have a defined start and end time, requiring unique resources and achieving specific goals. 2) Software projects differ from others due to invisibility, complexity, conformity, and flexibility. 3) The project lifecycle includes initiation, planning, monitoring, and closure phases. Responsibilities of a project manager include defining scope, allocating resources, managing risks, and ensuring timely delivery. 4) Characteristics of good project managers include leadership, communication, and organizational skills.	1) While managing a small software project to develop an e-commerce website, I plan to break the project into phases like design, development, testing, and deployment. 2) I will implement the waterfall model to ensure clarity at each step and monitor project progress effectively.	1) Discussed with peers how project managers balance time, cost, and quality constraints. 2) Collaborated on examples of how project phases are implemented in real-world scenarios.	1) Understanding how to manage resources effectively for a project with fluctuating requirements. 2) Differentiating between tasks that belong to the project lifecycle and industry-specific processes.	1) Watched tutorial videos on the basics of project management to reinforce concepts learned in this chapter. 2) Practiced creating a project charter for a hypothetical mobile app development project.	1) Focus on understanding the differences between traditional and Agile project management methodologies. 2) Work on creating a project plan for a sample case study to implement the learning.

Key Concepts Learned:	Application in Real Projects:	Peer Interactions:	Challenges Faced:	Personal development activities:	Goals for the Next Week:
<u>Week : 2</u> 1) The project initiation phase involves creating a project charter, defining scope, and setting objectives. 2) SMART objectives (Specific, Measurable, Achievable, Relevant, Time-constrained) guide effective project planning. 3) Initial budgets and schedules are critical for setting accurate expectations and baselines. 4) The effort estimate directly influences project costs and resource allocation.	1) For a startup's software solution, I would prepare a detailed project charter outlining the purpose, scope, and objectives. 2) A SMART objective example: Launch the minimum viable product (MVP) within three months with defined core functionalities. 3) To estimate effort, I would use analogy-based estimation by comparing it with similar past projects.	1) Explored with peers how to use SMART objectives effectively in real projects. 2) Discussed the challenges of estimating project costs and effort during the initiation phase.	1) Estimating accurate budgets without real-world experience in cost calculation. 2) Translating abstract goals into measurable and actionable objectives.	1) Created a mock project charter and scope document to practice skills in project initiation. 2) Researched case studies of successful project initiation phases in the software industry.	1) Focus on learning advanced effort estimation techniques like Function Point Analysis (FPA). 2) Apply the knowledge of project scope and objectives to refine a sample project plan.