Learning Journal Template

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Course: SOEN 6841 - Software Project Management

Journal URL: https://github.com/Mayank1232/SPM_2024

Week 1: 01/13/2025 – 01/17/2025

Date of the journal: 01/28/2025

Key Concepts Learned:	• Discovered the basics of project initiation processes along with different software development life cycles. • The concepts of "Project Charter" enable project documentation authorization and "Project Scope" functions as a boundary definition for projects.
Applications in Real Projects	• Study of the waterfall model showed its impact on enhancing both schedule development and project execution methods for software delivery. • Learning how proper metrics help organizations monitor project progress effectively became a key takeaway. • **Challenge:** I applied various project life cycles along with management models to plan the Graph Algorithm Visualizer project.
Peer Interactions	• Formed groups with peers to exchange understanding about their scheduling capabilities and their individual strengths in addition to their work approaches. • Joined a group discussion which helped me understand the waterfall model better. • **Challenge:** Working with others to study software development lifecycle processes guided my approach to creating a personal project.
Challenges Faced	• Finding it hard to understand software project life cycles initially I gained important understanding from speaking with friends. • Working with team members whose schedules differed created organizational challenges while enabling me to build better relationships with my team.
Personal Development Activities	• My comprehension of project management techniques grew through the careful reading of multiple instructive blogs. • Talking with select senior employees at successful firms allowed me to learn about their companies' project planning and worker distribution systems.
Goals for the Next Weekend	• I will read Chapter 2 of the book during the forthcoming week to expand my knowledge about the chapter's concepts.

	• The goal is to deepen my understanding of monitoring and controlling project techniques. • **Challenge:** Our work includes evaluating different graph algorithms and visualization methods in addition to beginning the Project Initiation procedures.

Week 2: 01/20/2025 – 01/24/2025

Date of the journal: 01/28/2024

Key Concepts Learned:	• The initiation process of projects resembles different fields through project charters and scope definition. • The study enabled a better understanding of project initiation by examining project charters alongside goals and scope definition. • Achieving better results requires that objectives meet the SMART criteria.
Applications in Real Projects	• A detailed project scope serves two essential functions to define software functionality while guaranteeing quality. • The organized assignment of project goals to team members promotes the achievement of ensemble objectives. • Challenge: Extensive effort cost research led me to choose technologies for my Graph Algorithm Visualizer personal project.
Peer Interactions	• Worked with classmates to define project scope then finalized the project definition. • Project charters underwent peer review evaluation to verify their alignment with project goals. • Challenge: Along with fellow students we determined the final objectives for my personal project.
Challenges Faced	• Our project budget estimation faced accuracy challenges because of problems with our initial requirements. • I needed better direction on designing efficient approaches to define project objectives and aims. • Challenge: Handling complex algorithms into manageable tasks proved difficult during work on the Visualizer Project.
Personal Development Activities	• Through further research about project management life cycles I discovered Agile methodologies. • On understanding project initiation better I studied numerous real-world case studies that achieved success.
Goals for the Next Weekend	• I began the class project combined with reading Chapter 3 of the textbook to prevent rushing things at the last moment.

	- We will examine risk management techniques alongside their implementation for present and upcoming projects. - Develop your knowledge in Agile methodology principles. - Challenge: The development timeline for the Graph Algorithm Visualizer requires refinement.