

Learning Journal

Student Name: Shalvi Saxena

Course: Software Project Management [SOEN 6841]

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Key Concepts Learned:

1. A brief introduction to Software Project Management.
2. Phases of project -
 - a. Project initiation
 - b. Project planning
 - c. Project monitoring & control
 - d. Project closure
3. Project Charter defined the purpose of the project and scope includes functionalities and quality of the software product.
4. Project Division technique is used for better project effort and cost estimate.

Application in Real Projects:

Case Study 1: Developing a Healthcare Information System

This case study aids in the organization and oversight of the team across various developmental phases. Utilizing project phases, initiation tasks, and software life cycle processes can structure the upgrade project, encompassing planning for requirements gathering, design modifications, testing, and implementation tasks. A comprehension of project attributes such as resource utilization, time constraints, and budget considerations enables project managers to allocate resources effectively, plan budgets, and manage project limitations.

The discourse on quality characteristics essential for software project metrics serves as a guide for the company in establishing and assessing crucial quality indicators. This encompasses metrics pertaining to code quality, testing effectiveness, and customer satisfaction.

Peer Interactions:

I engaged in a conversation with my friend, delving into various job titles. During our discussion, I gained insights into the distinctions between the roles of a software developer and a Scrum Master. Additionally, I learned that a Scrum Master plays a pivotal role in facilitating the Scrum framework. Some of their key responsibilities include fostering collaboration within the team, removing impediments to progress, ensuring adherence to Scrum principles, and promoting continuous improvement. They also serve as a mediator, aiding communication between team members and stakeholders, while actively supporting and coaching the team in adopting Scrum practices. This multifaceted role highlights the Scrum Master's crucial contribution to the efficiency and success of agile projects.

Challenges Faced:

As a software developer, I have implemented numerous software management techniques without fully understanding their consequences. Currently, I am focused on acquiring a comprehensive understanding of software management to enhance my knowledge in this area.

Personal development activities:

Concentrating on the project management aspect rather than development will contribute to expanding experiences as a developer.

Goals for the Next Week:

I will read chapter 3 and 4.