

## **Learning Journal**

**Student Name:** Meera Muraleedharan Nair

**Course:** SOEN 6841 : Software Project Management

**Journal URL:** <https://github.com/Meera27/SOEN-6841---Learning-Journal>

**Week 4:** Feb 10 - Feb 17

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### **Key Concepts Learned:**

We started off by talking about configuration management and how important it is for monitoring changes to systems brought about by changing needs, shifting budgets, and advances in technology. We emphasised its importance in handling the ever-changing nature of software components, such as code and documentation, as well as potential difficulties like finding the most recent version of the source code or recurring bugs.

Moving on to project planning, we discussed how comprehensive it is and how it involves creating a baseline structure for execution and oversight as well as detailed planning for various project aspects. We talked about the significance of the Work Breakdown Structure (WBS), top-down and bottom-up planning methodologies, and scheduling difficulties like productivity barriers and difficulty estimation.

Next, we looked at representation and scheduling strategies, including the use of graphical notations like activity networks and bar charts as well as the critical path method to estimate project timelines. We also talked about the differences in project planning between waterfall and iterative lifecycle models, as well as planning for configuration management and quality assurance.

All things considered, project planning includes a variety of activities designed to successfully fulfil project requirements and ensure project delivery and execution.

### **Reflections on Case Study/course work:**

In reviewing the case study or coursework, it's essential to gauge the practical application of configuration management and project planning principles. This entails evaluating the efficacy with which various lifecycle models were aligned, scheduling complexities, and system changes were addressed. To guarantee the delivery of high-quality software products, assess how configuration management and quality assurance are integrated into the project planning process. Through an analysis of

these factors, knowledge about the efficiency of project management techniques and potential areas for development in subsequent projects can be obtained.

A critical examination of the case study or course material will clarify how configuration management and project planning concepts are applied in practical settings. Take into account how well strategies handle scheduling difficulties, system changes, and their compatibility with the selected lifecycle model. To guarantee the delivery of software products that satisfy stakeholders, evaluate how well configuration management and quality assurance are integrated into the project planning process. This analysis provides insightful information that can be used to improve project management procedures in the future.

### **Collaborative Learning :**

Divided various tasks among us team members, and started researching about Personal Mental Health App. To gain a better understanding of the app's viability and possible impact, we carefully considered its advantages and disadvantages. Held meetings to go deeper into the specifics of our project and had in-person conversations with my team members throughout this process. These exchanges were quite helpful in expanding my knowledge of different project-related topics. Working with colleagues gave us the chance to learn from people with different experiences, backgrounds, and specialties, which added a wide range of viewpoints to our discussions.

### **Further Research/Readings:**

Used what I had learned to look into possible flaws in already-available apps, pushing the boundaries of our work and coming up with creative and better solutions for our project. Continued with online tutorials as before, actively went through the instructional materials specific to software development and management. I was able to improve my understanding of the subject and hone my skills in the field.

### **Adjustments to Goals:**

- Successfully completed watching the tutorials for a comprehensive understanding
- Explored internship opportunities for hands-on experience
- Ensured the timely completion of assignments to reinforce learning

I successfully achieved a few of the objectives set for the previous week but was unable to complete a few of them, due to difficulties in managing my time effectively.