**Learning Journal Template**

**Student Name:** Ting Lok Hui

**Course:** SOEN 6841 Software Project Management

**Journal URL:**

**Dates Rage of activities:** 9th Sept – 21st Sept

**Date of the journal:** 21st September 2024

**Key Concepts Learned**

**Chapter 1:**

* The definition of the project and the characteristics of a software project.
* Invisibility, Complexity, Conformity and Flexibility makes a software project unique.
* Project lifecycle have four phases, which are project initiation, project planning, project monitoring and control, project closure.
* The software product initiation tasks include initial schedule estimates, project charter, scope, objectives, effort estimates and cost estimates.
* The software product implementation initiation tasks include market analysis product development cost estimate, product features, marketing channels, product delivery method and product or service.
* Software development lifecycle includes requirement gathering, software design, software construction, software testing etc.

**Chapter 2:**

* The definition and usage of project charter, project scope and project objective in project initiation phrase.
* Objectives should be SMART.
* We need a tentative project planning (schedule), effort and cost estimation (budget) throughout the development which lead to the success of a project.

**Chapter 3:**

* Introduced two main categories of Effort & Cost Estimation techniques which are Experience-based techniques and Algorithmic cost modeling.
* The definition of Function point analysis (FPA)
  + Data Function Types: Internal Logical Files (ILF) and External Interface Files (EIF)
  + Transactional Function Types: External Inputs (EI), External Outputs (EO), and External Inquiries (EQ)
  + Calculation of Unadjusted Function Points (UFP) and Value Adjustment Factor (VAF)
* The introduction of wide band delphi, COCOMO and COCOMO2.

**Application in Real Projects:**

* Clarification the goal of a project helps in resources allocation and decide management strategies.
* Work break-down structure (WBS) and different effort and cost estimation techniques enhance the ability of resources allocation and cost control throughout the project lifecycle.

**Peer Interactions:**

* During the in-class activity, we had a discussion and our college asked a question on the project charter, project scope and the project objective, which helped me understand the definition and usage in the project initiation.

**Challenges Faced:**

* I found challenging was understanding the difference between the scope, project charter and objective. I had to read the book and google about how to give a proper description in project identification

**Personal development activities:**

* I tried to analyze how the software project management activities fit into our team project (Virtual Wedding Planning Concierge) that I am currently working on. How the scope and objectives are defined in this project, and how apply all the concepts that we learned in these two weeks.

**Goal for the Next Week:**

* Preview the chapter 4 of "Software Engineering: A Practitioner's Approach" by Roger S. Pressman to gain a better understanding in the class
* Write a summary of what I learned in this week.