

LEARNING JOURNAL

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Course: SOEN 6841 - Software Project Management

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Week 6-7: 02/03/2025 - 02/16/2025

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❖ Key Concepts Learned

- Studied Project Planning and Monitoring & Control (Chapters 6 and Chapter 7).
- Discovered the significance of Work Breakdown Structure (WBS) in resource allocation and task organization.
- Learned how Earned Value Management (EVM) helps monitor budget and schedule deviations.
- Analysed the differences between top-down and bottom-up planning approaches.
- Identified how EVM can enhance tracking in projects like the Personalized **Fitness Tracker App**, which helps users plan workouts, set goals, track progress, and receive AI-powered exercise recommendations.

❖ Application in Real Projects

- Used Applied WBS on a software project for logistics to organize tasks and simplify resource allocation.
- Identified the importance of EVM in keeping up with initial budget overruns and schedule delays.
- Acknowledged how EVM would have enhanced monitoring and control in past projects.
- Plan to adopt WBS in the Personalized Fitness Tracker App to manage tasks efficiently and allocate resources.

❖ Peer Interactions

- Discussed WBS and EVM applications with peers, gaining insights into practical challenges.
- Collaborated on brainstorming ways to implement effective monitoring in agile environments.
- Learned from a peer's internship experience about the consequences of inadequate project monitoring.

- During a discussion on the "**Fitness Tracker App**," I was stuck on task prioritization and received valuable insights from peers on using WBS to organize tasks effectively.

❖ **Challenges Faced**

- Found assessing and evaluating EVM variances made difficult in dynamic project settings.
- Had difficulty estimating the task duration in WBS for dependent activities.
- Get ready to tackle these problems by studying through case studies and taking workshops.
- Confronted with sequencing issues in planning tasks for the "**Fitness Tracker App**," notably the coordination of exercise routines with user goals and constraints.

❖ **Personal Development Activities**

- Attended tutorials on EVM and WBS implementation in software like Jira.
- Read blogs and articles on continuous monitoring in agile ecosystems.
- Deeper practical insight from actual demonstrations and expert comments.
- Research the best practices of project management in order to organize the "**Fitness Tracker App**" better for iterative development.

❖ **Goals for the Next Week**

- Perform research case studies of effective EVM implementations on large projects.
- Participate in online discussion forums to discuss WBS matters with professionals.
- Research advanced project management tools for better integration with agile methodology.
- Develop a detailed task breakdown of the "**Fitness Tracker App**" using WBS for improved task clarity and resource allocation.