

SOEN6841 (winter 25)

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Course: Software Project Management (Winter 2025)

Activity #1

Chapter 2 summary

1- Use short and brief one sentence to define the following:

- **How is a project initiated?**

A software project follows the same procedure as any other project that is initiated. It follows the standard procedure of getting the stakeholders requirements, identifying the scope and objective of the project, and deciding the optimal technology stack, time, and effort to build the software. Later the build process continuous.

- **What is a project charter?**

A project charter is an official document that is developed with contribution from the stakeholders during the initialization of the project, where in the document holds the requirements, goals, team responsibilities and allocation along with the effort and timeline required for the completion of the project.

- **What is project scope?**

A project scope is the document that holds the specificity of the project. It's use cases, boundaries, and the limitations. It also holds the specific requirements, functionalities, timeline, and the quality effort that is used to build.

- **What are the objectives in a project?**

Objectives are set of goals that follow SMART (Specific, Measurable, Achievable, Relevant, Time) principle. Objectives define the software functionality that must be met which are prescribed by the stakeholders. Objectives should be realistic and should have the knowledge of technical and developmental constraints. Objectives should be small clear and well defined as failing to achieve will make the software developed as failure.

- **What project activities are performed during project initiation?**

Software projects follow the same pattern of initiation as the other nontechnical projects. Some of the key activities performed during project initiation are:

1. Project identification
2. Defining Project Charter and Scope
3. Defining Project Objectives and Deliverables.
4. Estimating initial project Size, cost, effort, and timeline.
5. Create plan to check the feasibility, best model approach and risk analysis of the project.
6. Identify the customers, stakeholders and the necessary documentation works and approvals.

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2- Give an idea of a project and in few words give an example of the following:

- **Project Charter:**

For example, building a community skill exchange platform which helps the people in the city to identify and interact with others having same interests and can exchange the skills that they want to learn. This lets people collaborate and expand the knowledge in the community. This can be achieved by building a platform that holds creating a profile, interactive chats, and feedback system. Community people are the main stakeholders in this scenario.

- **Project Scope:**

Scope of the project holds, creating a web platform with ability to create profile and to showcase interests and expertise. Should have the functionality to interact with other people and share the knowledge. Should have a database to save the records and the platform to be hosted for high availability. It should also contain the feedback system that helps in enhancing the platform with advised improvements.

- **Project Objectives:**

The main objective of the project is to build the platform and launch with in eight months with the major functionalities that are promised. Later educate the community people to start using the platform and to provide the feedback to understand the platform working and identify the loops and improvements. Make sure at least 10,000 users use the platform with 70% of feedback for better understanding of the work done and to check the scalability and security related issues. Make sure the application is active and available 99% of the time. Over the time try to improve the positive feedback rate to 90% by improving the platform.