

Software Project Management

Lecture 15

Risk Management

Topics Covered

Objective of activity planning

Project Schedule

Project vs Activity

Activity of planning & risk
management: Objective of activity
planning, project vs activity

Introduction to objective of activity planning

objective of software project planning is to provide a framework that enables the manager to make reasonable estimates

- Resources
- Cost
- Schedules

Objective of activity planning (Cont..)

- These estimates are made within a limited time frame at the beginning of a software project and should be updated regularly as the project progresses.
- In addition, estimates should attempt to define best case and worst-case scenarios so that project outcomes can be bounded.
- Planning is one of the most important management activities and is an ongoing effort throughout the life of the project

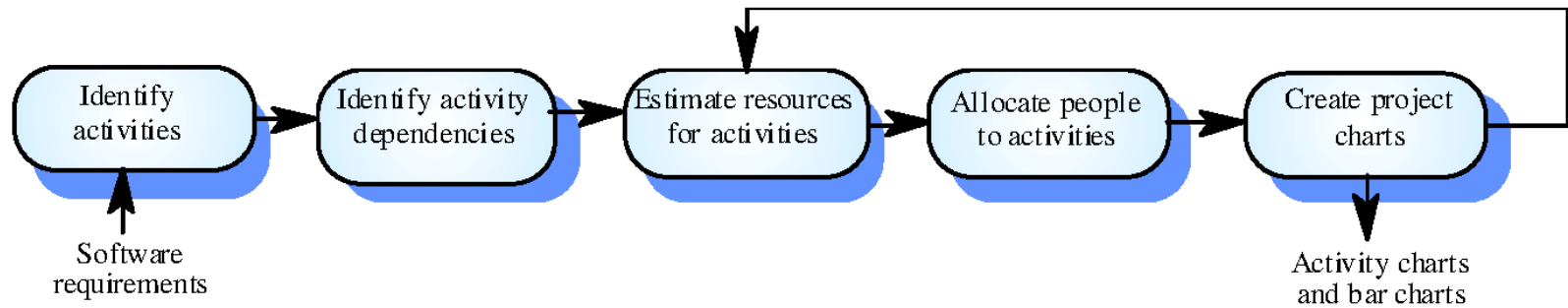
Objective of activity planning

- Software project management begins with a set of activities that are collectively
- called Project Planning.
- The software project planner must estimate following things before a project begins:
 - 1.How much will it cost?**
 - 2.How long will it take?**
 - 3.How many people will it take?**
 - 4.What might go wrong**

Project schedule

- Split project into tasks and estimate time and resources required to complete each task
- Organize tasks concurrently to make optimal use of workforce
- Minimize task dependencies to avoid delays caused by one task waiting for another to complete
- Dependent on project managers intuition and experience

The project scheduling process



Scheduling problems

- Estimating the difficulty of problems and hence the cost of developing a solution is hard
- Productivity is not proportional to the number of people working on a task
- Adding people to a late project makes it later because of communication overheads
- The unexpected always happens. Always allow contingency in planning

Project & activities

- Task, action or service it takes place
- Project activities:
- specify **what** will be done, **how** it will be done, **who** will do it and **when** in order to achieve your outcomes
- form the main content of your **project planning**
- determine the **resources and budget** that you need to run your project.

Project Vs Activity ()

- An activity must have a clear start and a clear stop
- An activity should have a duration that can be forecasted
- Some activities may require that other activities are completed before they can begin

Application & scope of research of activity of planning

- Online banking
- Hospital management system
- Medical store management system

Scope of research is how to minimize no . Of required resources