





















































- During the inception phase: establish the business case for the system and delimit the project scope.
- To accomplish this you must identify all external entities with which the system will interact (actors) and define the nature of this interaction at a high-level.

• This involves identifying all use cases and describing a few significant ones. The business case includes success criteria, risk assessment, and estimate of the resources needed, and a phase plan showing dates of major milestones.

- The outcome of the inception phase is:
- A vision document: a general vision of the core project's requirements, key features, and main constraints.

estimates

se case

development process

fails to pass this milestone.

At the end of the inception phase is the first major project

Stakeholder concurrence on scope definition and cost/schedule

- Credibility of the cost/schedule estimates, priorities, risks, and

Actual expenditures versus planned expenditures

criteria for the inception phase are:

milestone: the Lifecycle Objectives Milestone. The evaluation

Requirements understanding as evidenced by the fidelity of the primary

Depth and breadth of any architectural prototype that was developed.

The project may be cancelled or considerably re-thought if it

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- An initial use-case model (10%-20% complete).
- An initial project glossary (may optionally be
- partially expressed as a domain model).
- An initial business case, which includes business context, success criteria (revenue projection, market recognition, and so on), and financial forecast.
- An initial risk assessment.
- A project plan, showing phases and iterations.
- A business model, if necessary.
- One or several prototypes.

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## **RUP – Activities and Artifacts**

## Activity

- An activity of a specific worker is a unit of work that an individual in that role may be asked to perform. The activity has a clear purpose, usually expressed in terms of creating or updating some artifacts, such as a model, a class, a plan. Every activity is assigned to a specific worker. The granularity of an activity is generally a few hours to a few days, it usually involves one worker, and affects one or only a small number of artifacts. An activity should be usable as an element of
- An activity should be usable as an element of planning and progress; if it is too small, it will be neglected, and if it is too large, progress would have to be expressed in terms of an activity's parts.

## Example of activities:

- Plan an iteration, for the Worker: Project Manager \_ Find use cases and actors, for the Worker: System Analyst
- Review the design, for the Worker: Design Reviewer \_ Execute performance test, for the Worker: Performance Tester \_

## Artifact

- rtifact An artifact is a piece of information that is produced, modified, or used by a process. Artifacts are the tangible products of the project, the things the project produces or uses while working towards the final product. Artifacts are used as input by workers to perform an activity, and are the result or output of such activities. In object-oriented design terms, as activities are operations on an active object (the worker), artifacts are the parameters of these activities.
  - Artifacts may take various shapes or forms: A model, such as the Use-Case Model or the Design Model
    - A model element, i.e. an element within a model, such as a class, a use case or a subsystem \_

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- A document, such as Business Case or Software Architecture Document
- \_ Source code
- Executables

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RUP	– Resources	and Worker	s (Roles)
Resource	Worker	Activities	<ul> <li>A worker defines the behavior and responsibilities of an individual, or a group of</li> </ul>
Paul	Designer	Object Design 	individuals working together as a team.
Mary	Use Case Author	Detail a Use Case 	<ul> <li>You could regard a worker as a "hat" an individual can wear</li> </ul>
Joe	Use-Case Designer	Use-Case Design	<ul><li> One individual may wear many</li></ul>
Sylvia	Design Reviewer	Review the Design	different hats. This is an important distinction because it
Stefan	Architect	Architectural Analysis Architectural Design 	is natural to think of a worker as the individual or team itself, but in the Unified Process the
			worker is more the role defining how the individuals
			<ul><li>The responsibilities we assign</li></ul>
			to a worker include both to perform a certain set of
			activities as well as being owner of a set of artifacts.
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