

Cocomo81

 Español

Entries

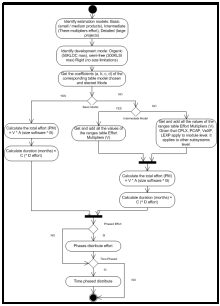
- Document requirements specification or description of problem
- Size software to perform (lines of code)
- Albrecht Function Point

Exit

- **Direct measures:**
 - ◆ Team development Effort
 - ◆ Project duration
- **Indirect measures:**
 - ◆ Productivity
 - ◆ Quality
 - ◆ Cost
 - ◆ Documentation
 - ◆ Code lines

Solution

Process



Development time

- ◆ To acquire the necessary knowledge to develop the software product: 4 hours.
- ◆ To create the Product Pattern: 2 days.
- ◆ To apply the Product Pattern: 2 hours.

Explanation video

- ◆ Not applicable.

Related Patterns

- Albrecht Function points Adjusted

Quality Controllers

- None

Templates

-  Cocomo 81 Equations and Data Table

Examples

-  Cocomo 81 Example

Support Tools

- Word processor (*Microsoft Word, OpenOffice Writer*)



Initial Context

This product can be used on any type of project during the phases of Planning and Requirements Definition, Product Design, Detailed Design, Coding and Unit Testing, Integration and Testing, Implementation, Operation and Maintenance. Is used for estimating software costs.



Result Context

The project manager will get a prediction of personnel, the efforts of the development team, costs and project duration to perform all activities and build all products associated with a project.



Problem

The project manager wants to create a document detailing precisely the estimation of the project being developed. Personnel involved in this task must be able to identify what type of project is about and what is the environment or restrictions in which it is performed. It will also be able to identify and give value to product attributes, computer, personal, and the project in general.



Restrictions (*Forces*)

- **Characteristics of organizations:** This pattern can be used in existing projects in any company.
- **Type of system to be developed:** This product can be used in projects in which user requirements are changing.
- **Type of customer:** It must exist or be achieved, the target business area of development gets involved in the achievement.
- **Heuristics for use:** If is needed a urgent application or dispose of some of its functionality.



Roles

- Project Leader



Lessons Learned

- To avoid errors when estimating must always be considered first the estimation model and then the development mode is selected.
- The effort is the first thing that must be calculated and is measured in PM (person months).



Capability Level

- ♦ Not applicable.



Basic Knowledge and Skills



Knowledge

- Definition of software requirements
- Background information on Logic Programming and Software Engineering I
- Knowledge in Databases Design
- Getting used to using a particular paradigm



Abilities

- Capacity of Abstraction.
- Capacity of Analysis.



Information Resources

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