

# Albrecht Function points Unadjusted



Español



## Entries

- Document requirements specification or description of problem.



## Exit

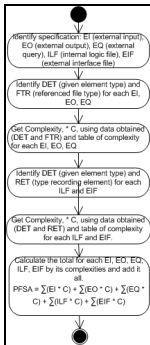
- **Direct measures:**
  - ◆ Estimating software
  - ◆ Function points
- **Indirect measures:**
  - ◆ Productivity
  - ◆ Quality
  - ◆ Cost
  - ◆ Documentation
  - ◆ Code lines



## 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.



## Explanatory Video

- ◆ Not applicable



## Related Patterns

- Albrecht Function points Adjusted



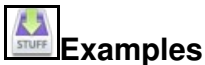
## Quality Controllers

- None



## Templates

- Complexity Table EI, EO, EQ
- Complexity table ILF, EIF
- Job Template for PF



## Examples

- Example Function Points Unadjusted



## Support Tools

- Word processor ([Microsoft Word](#), [OpenOffice Writer](#))



## Initial Context

This product can be used in the first stage of project management that requires an estimation process for measuring the software qualifying the functionality, provided externally, based on the logical design of the system.

If a system has multiple subsystems they must be estimated separately and then add them.



## Result Context

A prediction of personnel, effort, cost and time required to perform all activities and build all products associated with a project, will be obtained.



## Problem

It is desired to create a document detailing precisely the estimation of the project being developed. Personnel involved in this task must be able to identify inputs, outputs and queries to the system, amount of internal logical files and external logical files.



## Restrictions (*Forces*)

- **Characteristics of organizations:** This pattern can be used in existing projects in any company.
- **System Type to develop:** This product can be used in projects in which user requirements are changing.
- **Type of customer:** It must exist or be achieved, the target area development business being involved in achieving it.
- **Heuristics for use:** If you need urgent application or dispose of some of its functionality.



## Roles

- Project Manager



## Lessons Learned

- ILF and EIF are type data elements that are related to system data
- In ILF data are maintained and used within the application unlike EIF that is maintained by another system
- If an entry does not modify ILF is not an entry
- Rules for identifying DET:
  - ◆ Count every single field and nonrecursive
  - ◆ Count one DET for each existing data on an EIF
- Rules to identify RET:
  - ◆ Count a RET for each group of TEDs.
  - ◆ Count always a RET by default
- Rules for identifying FTR:
  - ◆ Number of accesses to data when processing the function transaction type



## Capability Level

- Not applicable



## Basic Knowledge and Skills



### Knowledge

- Software requirements definition
- Background information on Logic Programming and Software Engineering I
- Knowledge in Design Databases
- Accustomed to using a particular paradigm



### Abilities

- Capacity of abstraction.
- Capacity of Analysis.



## Information Resources

- Gonzalo, Agustín y de Amescua Antonio. *Gestión del proceso software*. Ed. Centro de Estudios Ramón Areces. 2002.
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