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Risk analysis

RISK	PROPABILITY	COST(WEEKS)
Too optimistic plan	40%	3
Fixtures added	25%	1
No resources available	10%	1
Unexperienced team	70%	5
Slow Debugging	40%	2
Unexpected situations	90%	3

Risk Management

- Risk identification
- Meeting
- Decisions about how to handle the problems :
- 1. Collaboration of the team
- 2. Internet search
- 3. Redesign of the plan
- 4. Increase of work rate

Risk Control

- Update risk catalogue and evaluation during the project
- Check for potential risk situation that have actually happened
- Apply the right steps to confront the risks according to plan

Project Metrics

• Project Effort

PM=A x Slze^B x M

A=2.94(Blbliography)

B= 1.2 (1.1 to 1.24) effort for loc

Size of our project=

• Function Points

			simple	promedio	Comp lejo		
Entradas	3	Х	3	4	6	=	12
Externas							
Salidas	3	Х	4	5	7	=	15
externas							
ConsVAfulto	6	Х	3	4	6	=	24
s externas							
Archivos	3	х	7	10	15	=	30
logicos							
internos							
Archivos de	0	Х	5	7	10	=	0
interfaz							
internos							
Total							81

PF = conteo total x $[0.65 \times 0.01 \times \Sigma \text{ (Fi)}]$

In general 0.65<VAF= $[0.65 \times 0.01 \times \Sigma (Fi)]$ <1.35

Lets say VAF=0.9

So PF=81x0.9=72,9

- KLOC=app. 1889 (through statistic plug-in)
- Errors per KLOC = app 40
- COCOMO 2 (through link)

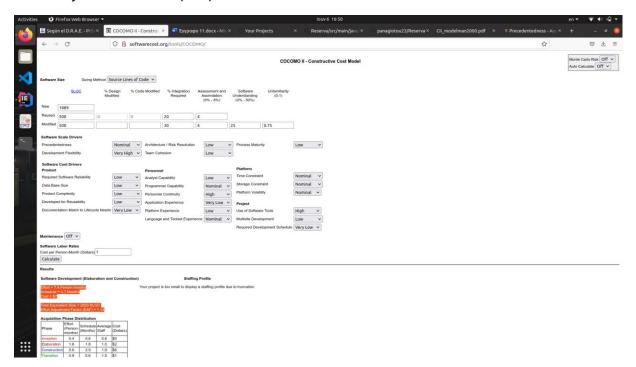
Effort = 7.4 Person-months

Schedule = 4.7 Months

Cost = \$7

Total Equivalent Size = 2020 SLOC

Effort Adjustment Factor (EAF) = 1.14



Sources

- https://www.infor.uva.es/~manso/calidad/PFA-CLM-2011
- http://cotana.informatica.edu.bo/downloads/ld-
 Ingenieria.de.software.enfoque.practico.7ed.Pressman.PDF
- http://softwarecost.org/tools/COCOMO/

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