



COCOMO II - Constructive Cost Model

Model(s)	COCOMO ▼
Monte Carlo Risk	Off ▼
Auto Calculate	Off ▼

Software Size Sizing Method Source Lines of Code ▼

	SLOC	% Design Modified	% Code Modified	% Integration Required	Assessment and Assimilation (0% - 8%)	Software Understanding (0% - 50%)	Unfamiliarity (0-1)
New	3305						
Reused	0	0	0				
Modified	0						

Software Scale Drivers

Precedentedness	Very Low ▼	Architecture / Risk Resolution	High ▼	Process Maturity	Very High ▼
Development Flexibility	Very High ▼	Team Cohesion	Low ▼		

Software Cost Drivers

Product

Required Software Reliability	Very High ▼
Data Base Size	Low ▼
Product Complexity	High ▼
Developed for Reusability	Extra High ▼
Documentation Match to Lifecycle Needs	High ▼

Personnel

Analyst Capability	Very Low ▼
Programmer Capability	Very Low ▼
Personnel Continuity	Very High ▼
Application Experience	Very Low ▼
Platform Experience	Very Low ▼
Language and Toolset Experience	Very Low ▼

Platform

Time Constraint	Very High ▼
Storage Constraint	Nominal ▼
Platform Volatility	High ▼

Project

Use of Software Tools	Very Low ▼
Multisite Development	Very High ▼
Required Development Schedule	High ▼

Maintenance Off ▼

Software Labor Rates

Cost per Person-Month (Dollars) 3000

Calculate

Results

Software Development (Elaboration and Construction)

Effort = 77.3 Person-months
Schedule = 20.0 Months
Cost = \$231931

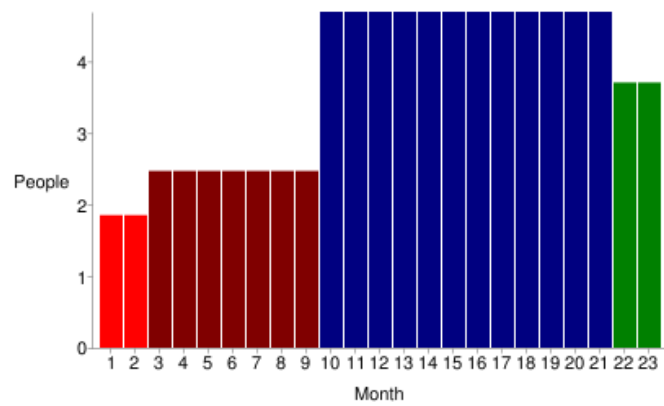
Total Equivalent Size = 3305 SLOC

Staffing Profile

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	4.6	2.5	1.9	\$13916

Elaboration	18.6	7.5	2.5	\$55664
Construction	58.8	12.5	4.7	\$176268
Transition	9.3	2.5	3.7	\$27832



Software Effort Distribution for RUP/MBASE (Person-Months)

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.6	2.2	5.9	1.3
Environment/CM	0.5	1.5	2.9	0.5
Requirements	1.8	3.3	4.7	0.4
Design	0.9	6.7	9.4	0.4
Implementation	0.4	2.4	20.0	1.8
Assessment	0.4	1.9	14.1	2.2
Deployment	0.1	0.6	1.8	2.8

Your output file is http://csse.usc.edu/tools/data/COCOMO_May_18_2019_04_23_17_276368.txt

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