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	1000						
Reused	0	0	0	0	0		
Modified	0	0	0	0	0	0	0.5

Software Scale Drivers

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

Software Cost Drivers

Product

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

Personnel

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

Platform

Time Constraint	Nominal ▼
Storage Constraint	Nominal ▼
Platform Volatility	Nominal ▼

Project

Use of Software Tools	Nominal ▼
Multisite Development	Nominal ▼
Required Development Schedule	Nominal ▼

Maintenance Off ▼

Software Labor Rates

Cost per Person-Month (Dollars) 700

[Calculate]

Results

Software Development (Elaboration and Construction)

Effort = 3.3 Person-months
Schedule = 5.4 Months
Cost = $2305

Total Equivalent Size = 1000 SLOC

Staffing Profile

Your project is too small to display a staffing profile due to truncation.

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.2	0.7	0.3	$138
Elaboration	0.8	2.0	0.4	$553
Construction	2.5	3.4	0.7	$1752
Transition	0.4	0.7	0.6	$277

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

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.0	0.1	0.3	0.1
Environment/CM	0.0	0.1	0.1	0.0
Requirements	0.1	0.1	0.2	0.0
Design	0.0	0.3	0.4	0.0
Implementation	0.0	0.1	0.9	0.1
Assessment	0.0	0.1	0.6	0.1
Deployment	0.0	0.0	0.1	0.1

Your output file is http://csse.usc.edu/tools/data/COCOMO_February_23_2016_21_36_44_512732.txt

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