COCOMO II - Constructive Cost Model

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	3000						
Reused		0	0				
Modified							

Software Scale Drivers

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

Software Cost Drivers

Product		Personnel		Platform	
Required Software Reliability	Low	Analyst Capability	High	Time Constraint	Nominal
Data Base Size	Nominal	Programmer Capability	High	Storage Constraint	Nominal
Product Complexity	Low	Personnel Continuity	Very High	Platform Volatility	Nominal
Developed for Reusability	High	Application Experience	High	**Project**	
Documentation Match to Lifecycle Needs	Nominal	Platform Experience	Nominal	Use of Software Tools	High
		Language and Toolset Experience	High	Multisite Development	Nominal
				Required Development Schedule	Very Low

Maintenance Off

Software Labor Rates

Cost per Person-Month (Dollars): 0

Calculate

Results

Software Development (Elaboration and Construction)

Effort = 5.0 Person-months
Schedule = 4.0 Months
Cost = $0

Total Equivalent Size = 3000 SLOC
Effort Adjustment Factor (EAF) = 0.53

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	0.3	0.5	0.6	$0
Elaboration	1.2	1.5	0.8	$0
Construction	3.8	2.5	1.5	$0
Transition	0.6	0.5	1.2	$0

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

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.0	0.1	0.4	0.1
Environment/CM	0.0	0.1	0.2	0.0
Requirements	0.1	0.2	0.3	0.0
Design	0.1	0.4	0.6	0.0
Implementation	0.0	0.2	1.3	0.1
Assessment	0.0	0.1	0.9	0.1
Deployment	0.0	0.0	0.1	0.2

Your output file is at http://softwarecost.org/tools/COCOMO/data/COCOMO_March_24_2023_17_14_06_324954.txt

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```
startCOCOMO, 1
MonteCarlo, MonteCarlo_Off
AutoCalculate, Off
size_type, SLOC
new_size, 3000
reused_size,
IM_reused,
AA_reused,
modified_size,
DM_modified,
CM_modified,
IM_modified,
AA_modified,
SU_modified,
UNFM_modified,
prec, Low
flex, High
rely, Low
data, Nominal
cplx, Low
ruse, High
docu, Nominal
resl, High
team, Very_High
acap, High
pcap, High
pcon, Very_High
apex, High
pexp, Nominal
ltex, High
pmat, High
time, Nominal
stor, Nominal
pvol, Nominal
tool, High
site, Nominal
sced, Very_Low
software_maintenance, Off
software_labor_cost_per_PM, 0
submit2, Calculate
software_EAF, 0.53
size_exponent, 1.0504
schedule_exponent, 0.308
software_effort, 5.0
software_schedule, 4.0
```