COCOMO II - Constructive Cost Model

Monte Carlo Risk	Off ⌄
Auto Calculate	Off ⌄

Software Size

Sizing Method: **Function Points** ⌄

Unadjusted Function Points: `119`

Language: **Java** ⌄

Software Scale Drivers

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

Software Cost Drivers

Product

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

Personnel

Analyst Capability	Very Low ⌄
Programmer Capability	Low ⌄
Personnel Continuity	Nominal ⌄
Application Experience	Low ⌄
Platform Experience	Low ⌄
Language and Toolset Experience	Low ⌄

Platform

Time Constraint	Nominal ⌄
Storage Constraint	Nominal ⌄
Platform Volatility	Low ⌄

Project

Use of Software Tools	Nominal ⌄
Multisite Development	Very Low ⌄
Required Development Schedule	Low ⌄

Maintenance Off ⌄

Software Labor Rates

Cost per Person-Month (Dollars) `[        ]`

[Calculate]

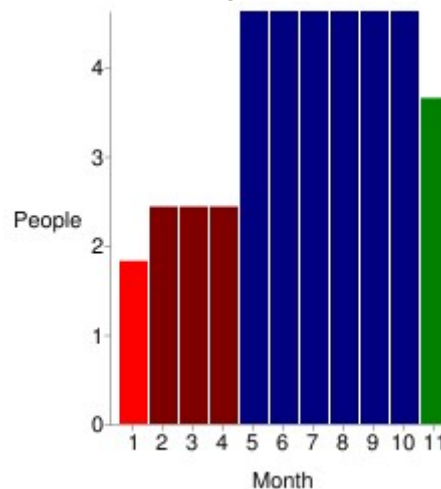
Results

Software Development (Elaboration and Construction)

Effort = 37.1 Person-months
Schedule = 9.8 Months
Cost = $37141

Total Equivalent Size = 6307 SLOC
Effort Adjustment Factor (EAF) = 1.53

Staffing Profile

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	2.2	1.2	1.8	$2228
Elaboration	8.9	3.7	2.4	$8914
Construction	28.2	6.1	4.6	$28228
Transition	4.5	1.2	3.7	$4457

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

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.3	1.1	2.8	0.6
Environment/ CM	0.2	0.7	1.4	0.2
Requirements	0.8	1.6	2.3	0.2

Design	0.4	3.2	4.5	0.2
Implementation	0.2	1.2	9.6	0.8
Assessment	0.2	0.9	6.8	1.1
Deployment	0.1	0.3	0.8	1.3

Your output file is at http://softwarecost.org/tools/COCOMO/data/COCOMO_March_14_2024_19_02_14_279930.txt

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