COCOMO II - Constructive Cost Model   https://csse.usc.edu/tools/COCOMOII.php

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	2567						
Reused		0	0				
Modified							

Software Scale Drivers

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

Software Cost Drivers
Product

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

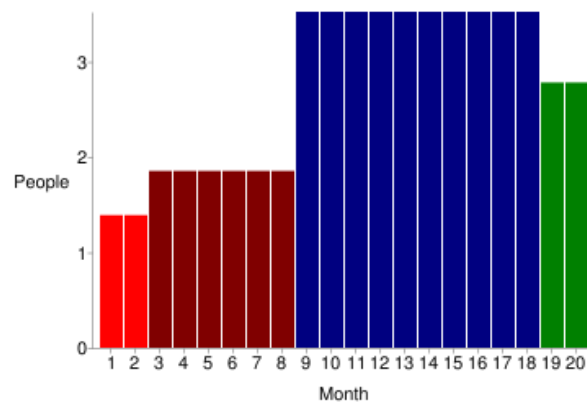Effort = 50.4 Person-months
Schedule = 17.4 Months
Cost = $151135

Total Equivalent Size = 2567 SLOC

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	3.0	2.2	1.4	$9068

Elaboration	12.1	6.5	1.9	$36272
Construction	38.3	10.9	3.5	$114863
Transition	6.0	2.2	2.8	$18136

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

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.4	1.5	3.8	0.8
Environment/CM	0.3	1.0	1.9	0.3
Requirements	1.1	2.2	3.1	0.2
Design	0.6	4.4	6.1	0.2
Implementation	0.2	1.6	13.0	1.1
Assessment	0.2	1.2	9.2	1.5
Deployment	0.1	0.4	1.1	1.8

Your output file is http://csse.usc.edu/tools/data/COCOMO_May_27_2019_14_44_29_577604.txt

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