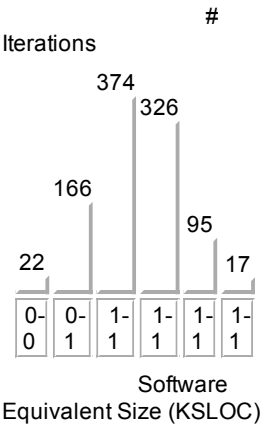
COCOMO II - Constructive Cost Model

Model(s): COCOMO and COQUALMO
Monte Carlo Risk: On
Auto Calculate: On

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	1200						
Reused	50	0	0	0	0		
Modified							

Software Size Probability Distribution Distribution Type: Normal



Software Scale Drivers

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

Software Cost Drivers

Product

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

Personnel

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

Platform

Time Constraint	Nominal
Storage Constraint	Nominal
Platform Volatility	Nominal

Project

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

Maintenance Off

Software Labor Rates

Cost per Person-Month (Dollars): 10000

Defect Removal Practices

Automated Analysis: Nominal | Peer Reviews: Low | Execution Testing and Tools: Very High

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Results

Software Development (Elaboration and Construction)

Effort = 2.4 Person-months
Schedule = 3.3 Months
Cost = $23724

Total Equivalent Size = 1200 SLOC

Staffing Profile

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

Acquisition Phase Distribution

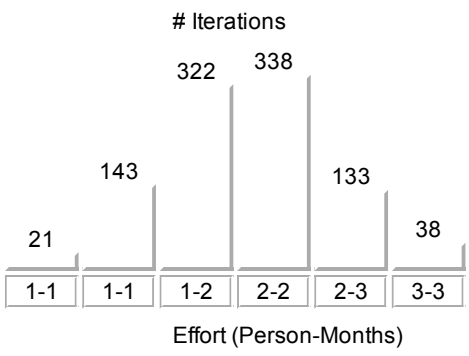
Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.1	0.4	0.4	$1423
Elaboration	0.6	1.2	0.5	$5694
Construction	1.8	2.0	0.9	$18031
Transition	0.3	0.4	0.7	$2847

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

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

Acquisition Monte Carlo Results

Software Effort Distribution Function



Software Effort Confidence Levels

10%	1
20%	2
30%	2
40%	2
50%	2
60%	2
70%	2
80%	2
90%	2
100%	3

Requirements Defects

Introduced	Removed	Remaining
Ambiguity/Testability	Ambiguity/Testability	Ambiguity/Testability
Completeness	Completeness	Completeness
Consistency	Consistency	Consistency
Correctness	Correctness	Correctness

Design Defects

Introduced	Removed	Remaining
Checking	Checking	Checking
Class/Object/Function	Class/Object/Function	Class/Object/Function
Data Values/Initialization	Data Values/Initialization	Data Values/Initialization
Interface	Interface	Interface
Method/Logic/Algorithm	Method/Logic/Algorithm	Method/Logic/Algorithm
Timing	Timing	Timing

Code Defects

Introduced	Removed	Remaining
Checking	Checking	Checking

Class/Object/Function	Class/Object/Function	Class/Object/Function
Data Values/Initialization	Data Values/Initialization	Data Values/Initialization
Interface	Interface	Interface
Method/Logic/Algorithm	Method/Logic/Algorithm	Method/Logic/Algorithm
Timing	Timing	Timing

Your output file is http://csse.usc.edu/tools/data/COQUALMO_January_16_2014_10_28_09_200362.txt

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