FoodSystem - Archive Report

Estimate Name:	FoodSystem	Estimate ID:	
Model Name:	COCOMO® II 2000	Model ID:	2000
Process Model:	COCOMO® II Model	Phases:	Waterfall

File:	C:\Users\Dao Ngan Giang\Desktop\Honors_Credit\FoodSystem.cst
Description:	
Model File:	Built in.
Hours per Person-Month:	152

COCOMO Estimating Equations		
Effort	= 2.9400 * EAF * (KSLOC)$^{1.1138}$	EAF = 1.5861 = Effort in Person-Months
Schedule	= 3.6700 * (Effort)$^{0.3208}$	= Duration in Months
Maintenance Effort	= 2.9400 * EAF * (KSLOC)$^{1.1138}$	= Effort (per year) in Person-Months

COCOMO II Scale Factors	
Precedentedness:	Somewhat Unprecedented
Development Flexibility:	Some Relaxation
Architecture / Risk Resolution:	Some (40%)
Team Cohesion:	Basically Cooperative
Process Maturity:	SEI CMM Level 2

Results	PD+DD+CT+IT
EAF	1.5861
Nominal PM	6.4
Actual PM	10.1
Cost (K$)	0.0
Developed Size	2,000
Productivity (Lines / PM)	198.2
Unit Cost ($ / Line)	0.00

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Increment Phasing & Increment Breakage Worksheets

Starting point for each increment: PDW

Increment	Incremental COCOMO Breakage	Milestone in previous Increment	Delay before RQ	Delay before PD	Delay before DD	Delay before CT	Delay before IT
1	--	--	0.0	0.0	0.0	0.0	0.0
2	0%	UTC	0.0	0.0	0.0	0.0	0.0
3	0%	UTC	0.0	0.0	0.0	0.0	0.0
4	0%	UTC	0.0	0.0	0.0	0.0	0.0
5	0%	UTC	0.0	0.0	0.0	0.0	0.0
6	0%	UTC	0.0	0.0	0.0	0.0	0.0
7	0%	UTC	0.0	0.0	0.0	0.0	0.0
8	0%	UTC	0.0	0.0	0.0	0.0	0.0
9	0%	UTC	0.0	0.0	0.0	0.0	0.0
10	0%	UTC	0.0	0.0	0.0	0.0	0.0
11	0%	UTC	0.0	0.0	0.0	0.0	0.0
12	0%	UTC	0.0	0.0	0.0	0.0	0.0
13	0%	UTC	0.0	0.0	0.0	0.0	0.0
14	0%	UTC	0.0	0.0	0.0	0.0	0.0
15	0%	UTC	0.0	0.0	0.0	0.0	0.0
16	0%	UTC	0.0	0.0	0.0	0.0	0.0
17	0%	UTC	0.0	0.0	0.0	0.0	0.0
18	0%	UTC	0.0	0.0	0.0	0.0	0.0
19	0%	UTC	0.0	0.0	0.0	0.0	0.0
20	0%	UTC	0.0	0.0	0.0	0.0	0.0

Breakage Effort -- not Associated with Individual Components

Increment 1 may contain RQ and PD effort for components developed in later increments.
Increments 2-20 may contain effort caused by Incremental COCOMO style breakage (not REVL).

Increment	RQ Effort	PD Effort	DD Effort	CT Effort	IT Effort
1	0.0	0.0			
2		0.0	0.0	0.0	0.0
3		0.0	0.0	0.0	0.0
4		0.0	0.0	0.0	0.0
5		0.0	0.0	0.0	0.0
6		0.0	0.0	0.0	0.0
7		0.0	0.0	0.0	0.0
8		0.0	0.0	0.0	0.0
9		0.0	0.0	0.0	0.0
10		0.0	0.0	0.0	0.0
11		0.0	0.0	0.0	0.0
12		0.0	0.0	0.0	0.0
13		0.0	0.0	0.0	0.0
14		0.0	0.0	0.0	0.0
15		0.0	0.0	0.0	0.0
16		0.0	0.0	0.0	0.0
17		0.0	0.0	0.0	0.0
18		0.0	0.0	0.0	0.0
19		0.0	0.0	0.0	0.0
20		0.0	0.0	0.0	0.0

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Labor Cost Worksheet	
Names of Labor Classes *	Cost / Person-Month
Programmer	0
Senior Programmer	0
Analyst	0
Supervisor	0
Tech Writer	0
Department Head	0
Tester	0
Reviewer	0
	0
	0
	0
	0

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Custom Effort & Schedule Filters

Filters: Enabled
Source: Model

	RQ		PD		DD		CT		IT		MN
Increment	Eff	Sch	Eff	Sch	Eff	Sch	Eff	Sch	Eff	Sch	Eff
1	100	100	100	100	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100	100	100	100	
3	100	100	100	100	100	100	100	100	100	100	
4	100	100	100	100	100	100	100	100	100	100	
5	100	100	100	100	100	100	100	100	100	100	
6	100	100	100	100	100	100	100	100	100	100	
7	100	100	100	100	100	100	100	100	100	100	
8	100	100	100	100	100	100	100	100	100	100	
9	100	100	100	100	100	100	100	100	100	100	
10	100	100	100	100	100	100	100	100	100	100	
11	100	100	100	100	100	100	100	100	100	100	
12	100	100	100	100	100	100	100	100	100	100	
13	100	100	100	100	100	100	100	100	100	100	
14	100	100	100	100	100	100	100	100	100	100	
15	100	100	100	100	100	100	100	100	100	100	
16	100	100	100	100	100	100	100	100	100	100	
17	100	100	100	100	100	100	100	100	100	100	
18	100	100	100	100	100	100	100	100	100	100	
19	100	100	100	100	100	100	100	100	100	100	
20	100	100	100	100	100	100	100	100	100	100	

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Model Name:	COCOMO® II 2000	Model ID:	2000
Process Model:	COCOMO® II Model	Phases:	Waterfall
Component Name:	Component1	Component ID:	
Increment:	1	Level:	1
Developed Size:	2,000	EAF:	1.5861

Sizing Summary

Sizing Method:	SLOC	Size before REVL (Delivered SLOC):	2,000
		Requirements Evolution & Volatility: *	0
Size from SLOC:	2,000		
Size from Reuse:	n/a	Size after REVL:	2,000
Size from Function Points:	n/a	Increment Breakage SLOC:	0
Size from Subcomponents:	n/a	Developed SLOC:	2,000
Size Distribution:	n/a		

Reuse

Percent Design Modified:	* 0 %	Lines Being Adapted:	0
Percent Code Modified:	* 0 %	Newly Created Lines:	0
Percent Integration Required:	* 0 %		
Conversion Planning Increment:	* 0 %		
Assessment & Assimilation:	0 % *		
Software Understanding:	0 % *		
Unfamiliarity with Software:	0.00 *		

Function Points

	Simple	Average	Complex
External Input	0	0	0
External Output	0	0	0
Logical Internal File	0	0	0
External Interface File	0	0	0
External Inquiry	0	0	0

UnAdjusted Function Points:	0		
Complexity Adjustment Factor:	1.00 *		
Adjusted Function Points:	0		
Lines per Function Point:	100 *		
Data Communications	2.50	Online Update	2.50
Distributed Function	2.50	Complex Processing	2.50
Performance	2.50	Code Reusability	2.50
Heavily Used Config	2.50	Installation Ease	2.50
High Transaction Rate	2.50	Operational Ease	2.50
Online Data Entry	2.50	Multiple Sites	2.50
End User Efficiency	2.50	Facilitate Change	2.50

Maintenance

Size of Component being Maintained:	2,000	COCOMO II style Calculations.
Software Understanding:	0 % *	
Unfamiliarity with Software:	0.00 *	
Annual Maint. Change Factor:	0 % *	
Percentage Annual Change Traffic (PACT):	0 % *	

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Parent:
Description:

Cost Driver		Development	Maint.
ACAP:		Nominal	
APEX:		Very Low	
CPLX:	*	Nominal	
DATA:	*	Nominal	
PCAP:		Low	
RELY:	*	Nominal	
RUSE:		Low	
SCED:	*	Nominal	
STOR:	*	Nominal	
TIME:	*	Nominal	
TOOL:	*	Nominal	
PLEX:		Very Low	
LTEX:		Nominal	
PCON:	*	Nominal	
SITE:	*	Nominal	
PVOL:	*	Nominal	
DOCU:	*	Nominal	

Results	PD+DD+CT+IT	Maintenance
EAF	1.5861	0.0000
Nominal PM	6.4	0.0
Actual PM	10.1	0.0
Cost (K$)	0.0	0.0
Developed Size	2,000	
Lines / PM	198.2	
$ / Line	0.00	

Phase	Cost / Person-Month
Requirements	* $ 0
Product Design	* $ 0
Detailed Design	* $ 0
Code & Unit Test	* $ 0
Integration & Test	* $ 0
Maintenance	* $ 0

Labor Distribution Worksheet

Labor Class	RQ	PD	DD	CT	IT	MN
Programmer	0	0	0	0	0	0
Senior Programmer	0	0	0	0	0	0
Analyst	0	0	0	0	0	0
Supervisor	0	0	0	0	0	0
Tech Writer	0	0	0	0	0	0
Department Head	0	0	0	0	0	0
Tester	0	0	0	0	0	0
Reviewer	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0