















































Туре	Metric	Measurement
productivity	FP/Effort	function point / person month
quality	Error/FP	error / function point
costs	used funds / FP	costs / FP
documentation (maintainability)	pages of documentation / FP	































Com func	plexity tions	table foi	r data
	1 4 10 DET	20 4 - 50 DET	51 DET
	1 to 19 DE I	20 to 50 DE I	51 or more DE1
1 RET	Low	Low	Average
2 to 5 RET	Low	Average	High
6 or more RET	Average	High	High







	1 to 5 DET	6 to 19 DET	20 or more DET
0 to 1 FTR	Low	Low	Average
2 to 3 FTRs	Low	Average	High
4 or more FTRs	Average	High	High

	1 to 4 DET	5 to 15 DET	16 or more DET	
0 to 1 FTR	Low	Low	Average	
2 FTRs	Low	Average	High	
3 or more FTRs	Average	High	High	

















Data function	าร	
FUNCTION	TYPE	SIZE IN FPs
 order 	ILF	10
 customer 	EIF	5
payment	EIF	7
item	EIF	5















Tっトl	o for TEactor	
IdDI		
Factor	Description	Weight
T1	Distributed system	2
T2	Response adjectives	2
T3	End-user efficiency	1
T4	Complex processing	1
T5	Reusable code	1
T6	Easy to install	0.5
T7	Easy to use	0.5
T8	Portable	2
T9	Easy to change	1
T10	Concurrent	1
T11	Security features	1
T12	Access for third parties	1
T13	Special training required	1

Table	e for EFactor	
Factor	Description	Weight
F1	Familiar with RUP	1.5
F2	Application experience	0.5
F3	Object-oriented experience	1
F4	Lead analyst capability	0.5
F5	Motivation	1
F6	Stable requirements	2
F7	Part-time workers	-1
F8	Difficult programming language	2





rmine I II	JCP
Use Case	Complexity
	(UUCP)
Membership	5
Find movie	5
Rent a movie	5
Movie reservation	5
Return a movie	5
Check late returns	5
Movie orders	5
Rental reports	5
Actors	
Member	3
Supplier	3
Employee	3
Store manager	3
Store owner	3
	55

	etermine TC	F			
Factor	Description	Weight	Value	Total	
T1	Distributed system	2	0	0	
T2	Response adjectives	2	0	0	
T3	End-user efficiency	1	5	5	
T4	Complex processing	1	0	0	
T5	Reusable code	1	0	0	
T6	Easy to install	0.5	3	1.5	
T7	Easy to use	0.5	5	2.5	
T8	Portable	2	0	0	
T9	Easy to change	1	3	3	
T10	Concurrent	1	2	2	
T11	Security features	1	4	4	
T12	Access for third parties	1	0	0	
T13	Special training required	1	0	0	
				18	

Factor	Description	Weight	Value	Total
F1	Familiar with RUP	1.5	5	7.5
F2	Application experience	0.5	3	1.5
F3	Object-oriented experience	1	5	5
F4	Lead analyst capability	0.5	5	2.5
F5	Motivation	1	3	3
F6	Stable requirements	2	3	6
F7	Part-time workers	-1	3	-3
F8	Difficult programming language	2	3	6
				27.5













