

Use Case Based Effort Estimate

Item	Value
Date of Estimation	29-gru-2020 21:53:47
Phase	*
Total Use Cases	13
Unique Use Case Points (UUCP)	123,00
Technical Complexity (TCF)	1,06
Environmental Complexity(ECF)	0,90
Use Case Points (UUCP * TCF * ECF) = UCP	117,00
Estimated Hours per UUCP (HRS)	20,00
Total Hours (HRS * UCP)	2340,00
Total Cost	117000,00

Metric Settings

Technical Complexity Factors

Metric	Description	Weight	Value	TCF
TCF01	Distributed System	2,00	5,00	10,00
TCF02	Response or throughput performance objectives	1,00	3,00	3,00
TCF03	End user efficiency (online)	1,00	4,00	4,00
TCF04	Complex internal processing	1,00	2,00	2,00
TCF05	Code must be re-usable	1,00	5,00	5,00
TCF06	Easy to install	0,50	5,00	2,50
TCF07	Easy to use	0,50	5,00	2,50
TCF08	Portable	2,00	4,00	8,00
TCF09	Easy to change	1,00	1,00	1,00
TCF10	Concurrent	1,00	3,00	3,00
TCF11	Includ special security features	1,00	2,00	2,00
TCF12	Provide direct access for third parties	1,00	1,00	1,00
TCF13	Special user training faciities are required	1,00	2,00	2,00
			Total:	46,00

Factor	Value
Unadjusted TCF value (UTV)	46,00
TCF Weighting (TWF)	0,01
TCF Constant (TC)	0,60
Technical Complexity Factor (TCF) = TC + (UTV * TWF)	1,06

Environmental Complexity Factors

Metric	Description	Weight	Value	TCF
ECF01	Familiar with Rational Unified Process	1,50	3,00	4,50
ECF02	Application experience	0,50	2,00	1,00
ECF03	Object-oriented experience	1,00	4,00	4,00
ECF04	Lead analyst capability	0,50	2,00	1,00
ECF05	Motivation	1,00	5,00	5,00
ECF06	Stable requirements	2,00	4,00	8,00
ECF07	Part-time workers	-1,00	5,00	-5,00
ECF08	Difficult programming language	-1,00	2,00	-2,00
			Total:	16,50

Factor	Value
Unadjusted ECF value (UEV)	16,50
ECF Weighting (EWF)	-0,03
ECF Constant (EC)	1,40
Environmental Complexity Factor (ECF) = EC + (UEV * EWF)	0,90

Unique Use Cases and Actors

Package	Name	Type	Complexity	Estimate Cost	Current Cost	Done %
Use Case Model	Analiza finansów i wykonanie statystyk	UseCase	*****	14000,00	0	0
Use Case Model	Utworzenie oferty lotu	UseCase	*	4000,00	0	0
Use Case Model	Serwisowanie sprzętu	UseCase	***	9000,00	0	0
Use Case Model	Anulowanie lotu	UseCase	*	4000,00	0	0
Use Case Model	Zaktualizowanie danych o wyposażeniu statku	UseCase	***	9000,00	0	0
Use Case Model	Przeładowanie wyposażenia statku	UseCase	***	9000,00	0	0
Use Case Model	Przeładowanie rezerwacji	UseCase	*	4000,00	0	0
Use Case Model	Rezerwacja miejsc	UseCase	***	9000,00	0	0
Use Case Model	Wybór oferty	UseCase	*	4000,00	0	0
Use Case Model	Przeładowanie oferty	UseCase	*	4000,00	0	0
Use Case Model	<<podsystem czasu>> co rok	Actor	3	2000,00	0	0
Use Case Model	Operatorzy sprzętowi	Actor	3	2000,00	0	0
Use Case Model	Kierownik lotu	Actor	2	1000,00	0	0
Use Case Model	Pracownik	Actor	2	1000,00	0	0
Use Case Model	Anulowanie rezerwacji	UseCase	*	4000,00	0	0
Use Case Model	Osoba	Actor	*	0,00	0	0
Use Case Model	Klient	Actor	2	1000,00	0	0
Use Case Model	Realizacja p³atnoœci	UseCase	***	9000,00	0	0
Use Case Model	Utworzenie oferty lotu	UseCase	*****	14000,00	0	0