LICD	coloulation (votor this)			
UCP	calculation (refer this)			
Total No. of simple use cases		2		
Total No. of average use cases		3		
Total No. of complex use cases		2		
Unadjusted Use Case Weight (UUCW)	UUCW = (Total No. of Simple Use Cases x 5) + (Total No. Average Use Cases x 10) + (Total No. Complex Use Cases x 15)	70		
Total No. of simple actors		2		
Total No. of average actors		0		
Total No. of complex actors		3		
Unadjusted Actor Weight (UAW)	UAW = (Total No. of Simple actors x 1) + (Total No. Average actors x 2) + (Total No. Complex actors x 3)	11		
Factor	Description	Weight	Your score	Total
T1	Distributed system	2	1	2
T2	Response time/performance objectives	1	4	4
Т3	End-user efficiency	1	3	3
T4	Internal processing complexity	1	1	1
T5	Code reusability	1	3	3
Т6	Easy to install	0.5	2	1
Т7	Easy to use	0.5	5	2.5
Т8	Portability to other platforms	2	2	4
Т9	System maintenance	1	3	3
T10	Concurrent/parallel processing	1	2	2
T11	Security features	1	2	2
T12	Access for third parties	1	1	1

T13	End user training	1	1	1
	Total TF	29.5		
Technical Complexity Factor (TCF)	TCF = 0.6 + (TF/100)	0.895		
Factor	Description	Weight	Your score	Total
E1	Familiarity with development process used	1.5	2	3
E2	Application experience	0.5	2	1
E3	Object-oriented experience of team	1	4	4
E4	Lead analyst capability	0.5	4	2
E5	Motivation of the team	1	5	5
E6	Stability of requirements	2	4	8
E7	Part-time staff	-1	2	-2
E8	Difficult programming language	-1	3	-3
	Total EF	18		
Environmental Complexity Factor (ECF)	ECF = 1.4 + (-0.03 x EF)	0.86		
Use Case Points (UCP)	UCP = (UUCW + UAW) x TCF x ECF	62.3457		
How many hours per use case points will be used?	4			
Estimated effort	249.3828			
COCOMO Calculation	(refer lecture slides and this)			
KLOC frontend	KLOC backend	Total		
7.5	2.8	10.3		

Development mode	Project characteristics		
	Size (a)	Innovation (b)	Deadline/constraints (c)
Organic	Small (2.4)	Little (1.05)	Not tight (0.38)
Semi-detached	Medium (3.0)	Medium (1.12)	Medium (0.35)
Embedded	Large (3.6)	Greater (1.20)	Tight (0.32)
а	3		
ь	1.12		
С	0.32		
Development Efforts (MM)	a*(KLOC) ^b	40.87887604	(MM: Man Month)
Effort and development time (TDEV)	2.5*MM ^C	8.196334452	
Average Staff		4.987458269	
Conversion factor for a team of 5		1.002514654	
Development time for team of 5		8.175775208	in months
otal hours for a team of 5 (to better compare it to the use case points)		1242.717832	152 hours per Person month
Written code until now (without empy lines)			
Frontend	Backend	Total	
6.903	2.495	9.398	