CS 213 Fall 2021
UML Assignment

Group:					
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Classes	15	multiplier: <0, 1/3, 2/3, 1'>	value		
User	1	1.00	1		
Owner	2	1.00	2		
Member	2	1.00	2		
Moderator	1	1.00	1		
Forum	3	1.00	3		
Message	2	0.66667	1.33334		
Thread	2	0.33	0.66		
Decision (or in Modeartor/Message)	2	1.00	2		
			12.99334		
		value (using minus)			
No access level specified	-3				
All access levels public	-2				
		0		**Classes overall:**	12.99334

Relationships	15	exists? and type half of the points	multiplicity half of the points		
User-Forum	1	0.50	0.50		
User-Member	1	1.00	does not apply		
Member-Owner (inherit or delegation ok)	1	1.00			
Member-Moderator (inherit or delegation o	1	1.00			
Member-Message	1	0.00	0.00		
Moderator-Message	1	0.00	0.00		
Moderator-Message-Decision	1	0.00	0.00		
Message-Thread (-0.5 if not composition)	2	1.00	1.00		
Forum-Thread (-0.5 if not composition)	2	1.00	1.00		
Forum-Owner	1	0.50	0.50		
Forum-Moderator	1	0.50	0.50		
Forum-Member (aggregation or reg. ok, composition -0.5	2	0.50	0.00		
		7.00	3.50	Relationships overall:	10.50

Supplement	5	value			
Forum - members	1	1			
Forum - threads	1	1			
Member - messages	0.5	0.5			
Member - groups	0.5	0			
Moderator - decisions	1	1			
Moderator - groups	0.5	0			
Owner - groups	0.5	0	half off if shown in UML		
		3.5		Supplement overall:	3.5
				TOTAL:	26.99334