















Conceptual Modeling	CSC2507
🔹 An Entity C	Class
EntityClass Patients with	
necessary, unique, part	
record: MedicalRecords	
association	
location: NursingHomes; roon	n: Rooms; physician: Doctors
producer	
register: AdmitPatients(per<-tl	his)
modifier	
assessment: Assess(patient<-	-this)
consumer	
release: Discharge(patient<-th	nis)
initially	
rightPlace?: record.place = loc	cation
startClean?: paymentDue = 0	
end Patients	
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.	An Activity Class			
ActivityClass AdmitPatients with				
input	t			
	per: Persons			
cont	rol			
	home: NursingHome			
	doc: Doctors			
outp	ut			
	pat: Patients			
initia	lly			
	alreadyIn?: not(p in Patients)			
finall	ly			
part	actBasialates Interview/where<			
	getBasicinio. Interview(whom<-per)			
end AdmitPatients				
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÷	Assertion Classes			
 Assertion c 	lasses represent assertions with free variables.			
Instances of variables) v	of an assertion classes represent closed formulas (no free which are true.			
For example,				
AssertionC	lass IsTreatedWith with			
arg				
	p: Patients			
	t: Treatments			
part				
c1: Available(tr<-t, at<-p.loc)				
	c2: Recommended()			
end IsTreat	tedWith			
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Conceptual Modeling CSC:						
		Entity	Activity	Assertion		
	Entity	part	producer	initially		
		assoc	consumer	finally		
			modifier	invariant		
	Activity	input		initially		
		output	part	finally		
		control		trigger		
	Assertion	arg	arg	part		
			trigger			
					_	
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