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CECS 323 - David Brown
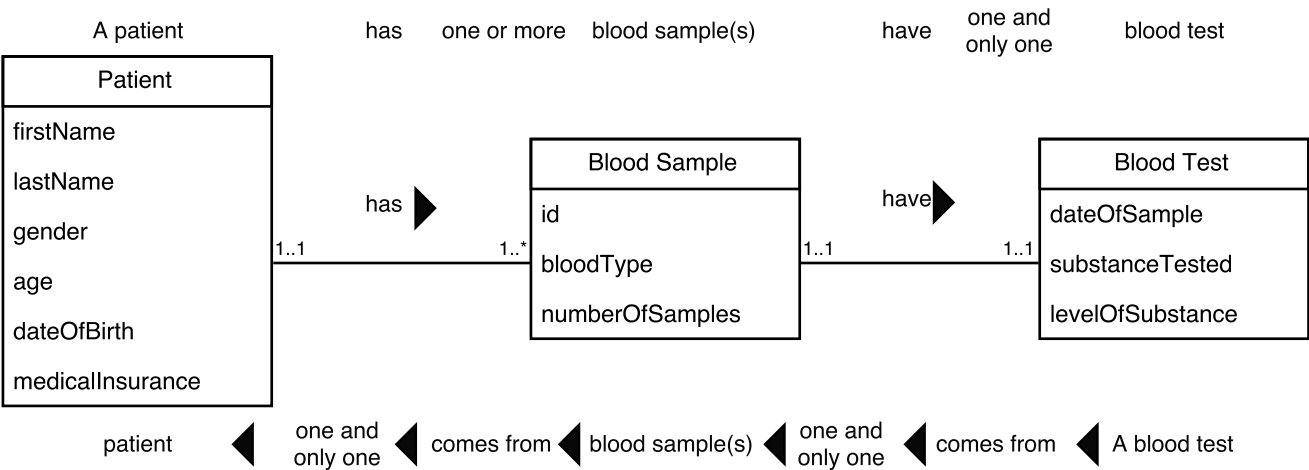Patients and Blood Samples Homework

Patient: A person who wants to be diagnosed for medical assistance with the financial support of medical insurance. This person can get healthful tips or get medical treatment for a their current condition. This person is often uniquely identified by their name and their date of birth for medical records.

Blood Sample: A fragment of hemoglobin that is categorized into four different groups that can be used to provide medical information regarding a person's health. These fragments are uniquely identified by an ID number associated to one person.

Blood Test: An analysis of a person's hemoglobin sample that shows the different types of materials that can be found in the sample and the amount of materials found. Such materials include cholesterol, alcohol, and hemoglobin count.

UML Diagram

Relational Scheme Diagram

Patient

firstName	lastName	dateOfBirth	gender	age	medicalInsurance
Primary Key					

1..1

Blood Sample

1..*

Foreign Key					
pFirstName	pLastName	pDateOfBirth	id	bloodType	numberOfSamples
			Primary Key		

1..1

1..1

Blood Test

Foreign Key			
dateOfSample	substanceTested	levelOfSubstance	sampleID