e: (1)	Student#: (1)	Lec. sec.:
e: (2)	Student#: (2)	Date:
	COMP 3111: Software Engineering	ng
Lecture 6	Exercise: ASU Course Registration—D	
At the beginning of each offerings needed for the	term, students may request a course catalog	ue containing a list of cours
classes:		
associations:		
attributes:		
generalizations:		
Information about each help students make infor	course, such as instructor, department, and med decisions.	prerequisites are included
classes:		
associations:		
attributes:		
generalizations:		
		
•	w students to select four course offerings for th	ne coming term.
classes:		
associations:		
attributes:		
generalizations:		
In addition, each studen filled or is canceled.	t will indicate two alternative choices in case	e a course offering become
classes:		
associations:		
attributes:		
generalizations:		
No course offering will ha	ave more than forty students or fewer than ten	students.
classes:		
associations:		
attributes:		

A course offering with fewer than ten students will be canceled.
classes:
associations:
attributes:
generalizations:
Once the registration process is completed for a student, the registration system sends information to the billing system so the student can be billed for the term.
classes:
associations:
attributes:
generalizations:
Instructors must be able to access the online system to indicate which courses they will be teaching, and to see which students signed up for their course offerings.
classes:
associations:
attributes:
generalizations:
For each term, there is a period of time that students can change their schedule. Students must be able to access the system during this time to add or drop course.
classes:
associations:
attributes:
generalizations:

Name: (1)	Student#: (1)	Lec. sec.:
Name: (2)	Student#: (2)	Date:

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Lecture 6 Exercise: ASU Course Registration—Domain Model

- 1. On the accompanying worksheet containing the problem statement, identify all the classes, attributes, association classes, associations, generalizations and multiplicity constraints that are relevant to include in the domain model for the new system. (Only those that are explicitly given in or implied by the requirements statement should be included.)
- 2. In the space below construct a class diagram showing how the classes identified in (1) are related by associations, aggregations/ compositions and generalizations. Show the *most likely multiplicities for all associations*, making reasonable assumptions where necessary. If a multiplicity cannot be inferred from the requirements statement or common real-world domain knowledge, then indicate this with a "?".

Do not show the attributes of the classes in the class diagram.