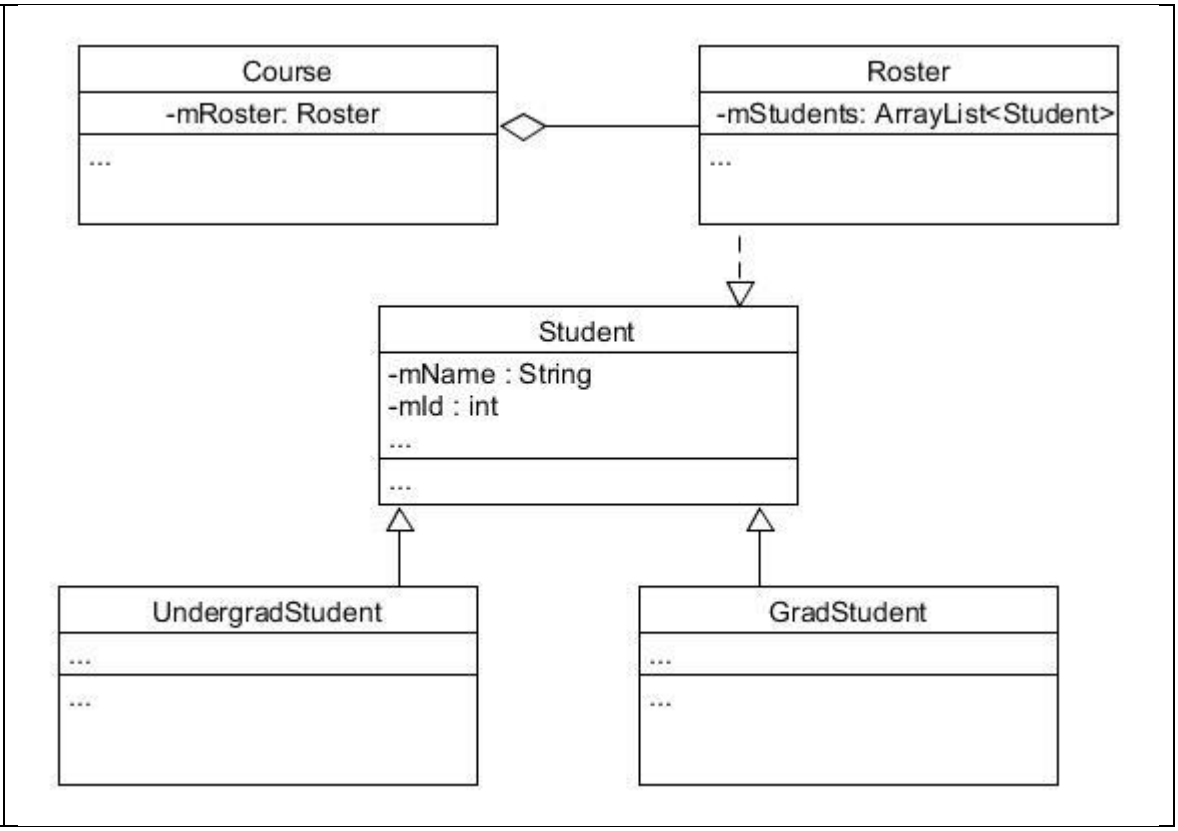
HW 1 Question	Response
3.1	 H1_31.java
3.4	 H1_34.java
3.5	 H1_35.java
4.3	 H1_43.java
5.3	An unchecked exception is an exception that the coder is responsible for finding and correcting. The code will compile if an unchecked exception exists, but it will have a run-time error, for example, an IndexOutOfBoundsException
5.5	IndexOutOfBounds exception is an unchecked exception. The text says that unchecked errors “are your fault…you should check your index values rather than install a handler for that exception.”
5.6	It's possible that the type of the exception handled in the catch block is different, as long as the exception that is caught is a subclass of the type of exception declared. I found this by Googling
6.3	6.3) a. You can differentiate between calls to instance methods and calls to static methods in a static method because to use an instance method you would need to create an instance of the class and call the method using that object. A static method does not need an object of the class to be instantiated in order to be called. It also has the keyword static before it in the class definition. b. It’s not as easy to distinguish between calls to instance and static methods which are called from an instance method because they can both be called on the current object.
6.5	 H1_65.java
6.6	 H1_66.java
6.7	In file H1_66.java
6.8 (b, c, f, h, k, m)	B: mY was declared as a private variable, so it is not accessible using this syntax. However, you could use the cObj1.getY() method instead. C: A was declared as private, so it is not accessible. Eclipse says it is “not visible”. There is no method in H1_65 to return A, so I think there is no way as the program is currently written to get the value of A in the main method. F: This is legal. A5 = -1. H: This is legal. It sets cObj2.mX to be equal to cObj1.mX, which is -1. K: This is legal. It sets int a7 equal to value of cObj1.mY, which is zero. M: This is not legal. The getY() method needs to be called on an object not a class (for example cObj1.getY()).

7.2


Course
-mRoster: Roster
...
Roster
-mStudents: ArrayList<Student>
...
Student
-mName : String
-mId : int
...
...
UndergradStudent
...
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GradStudent
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