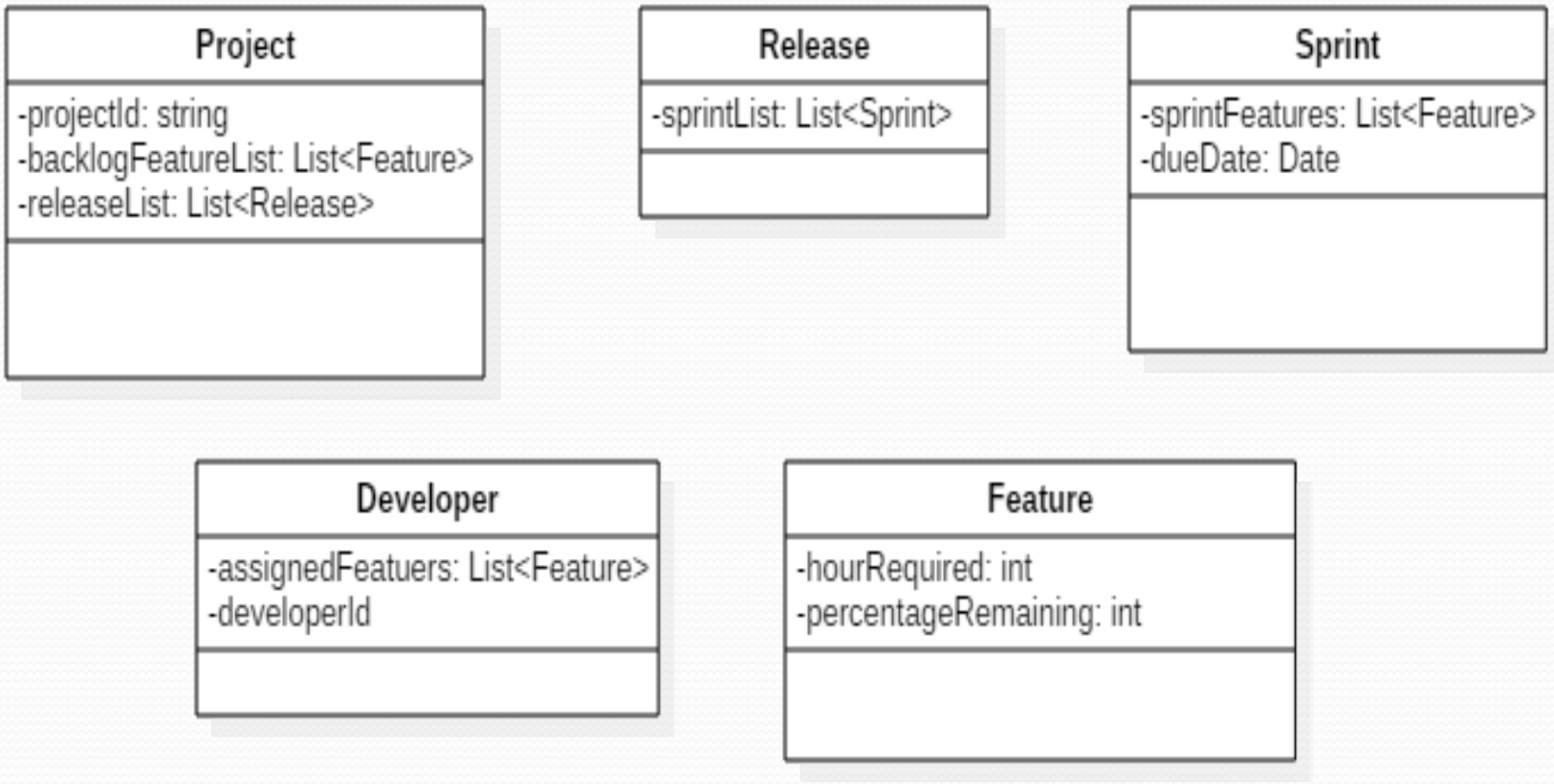
# Lab 2, Problem 1

1. Read *Beginning Java Objects* pp. 368-371, 376-385.
2. Add the associations needed for your Project Management System class diagram from Lab 1 exist in the next slide.
3. Update the Java code for your classes by including methods that are suggested by the associations you have introduced.
4. Hint: It helps to think in these terms: A Project consists of multiple Releases, and a Release consists of multiple Sprints.

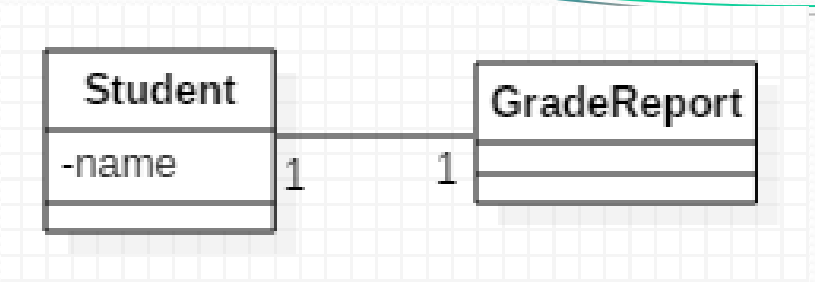
# Problem -1 – Lab -1 Class Diagram



# Lab 2, Problem 2

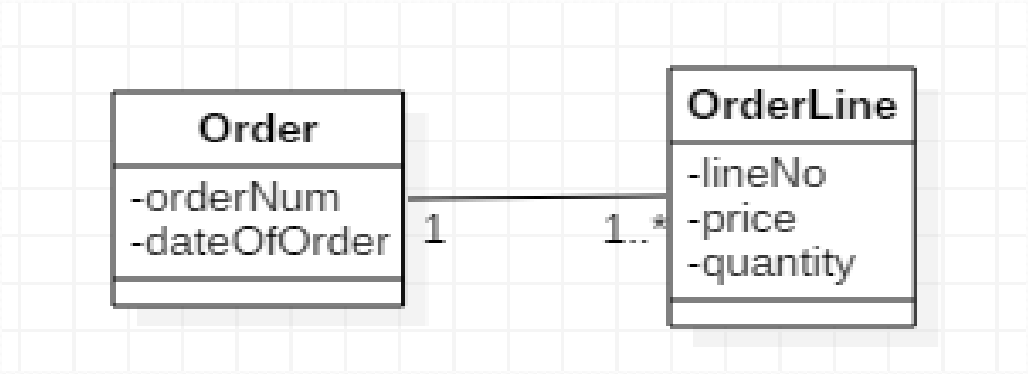
For each of the following small class diagrams (from next slide), write corresponding Java code and create a main method that creates instances of the classes in the diagram in a way that agrees with the requirements of the diagram. For example, in a 1-1 relationship between A and B, whenever an instance of A is created, an instance of B must also be created and each must contain an instance of the other.

- Prob 2A – Refer Sample Code in \\CS5

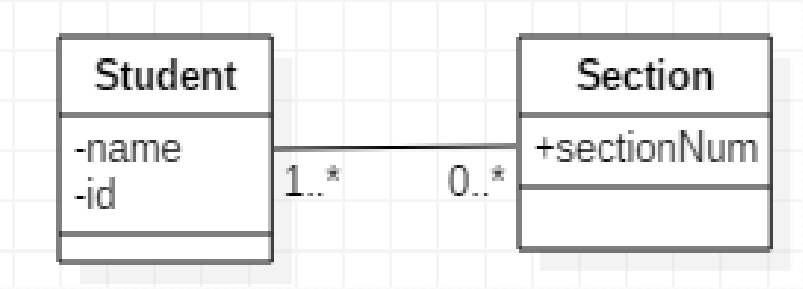



Similar way or your own way to implement Prob2B and Prob2C.

- Prob 2B




- Prob 2C



# What to Submit

Each Group should submit the following:

Problem 1

1. A single diagram that includes all the classes (with attributes specified & operations), together with appropriate associations, for the Project Management System described in Lab 1. Your associations should have names and indicated directions. Where appropriate, roles should be specified. Multiplicities should also be specified.
2. Java source code for all your classes. Implement getter and setters for the attributes. No need of main method.

Problem 2

Java code for each of the prob2B, prob2C diagrams. Code should be separated into packages prob2B, prob2C.