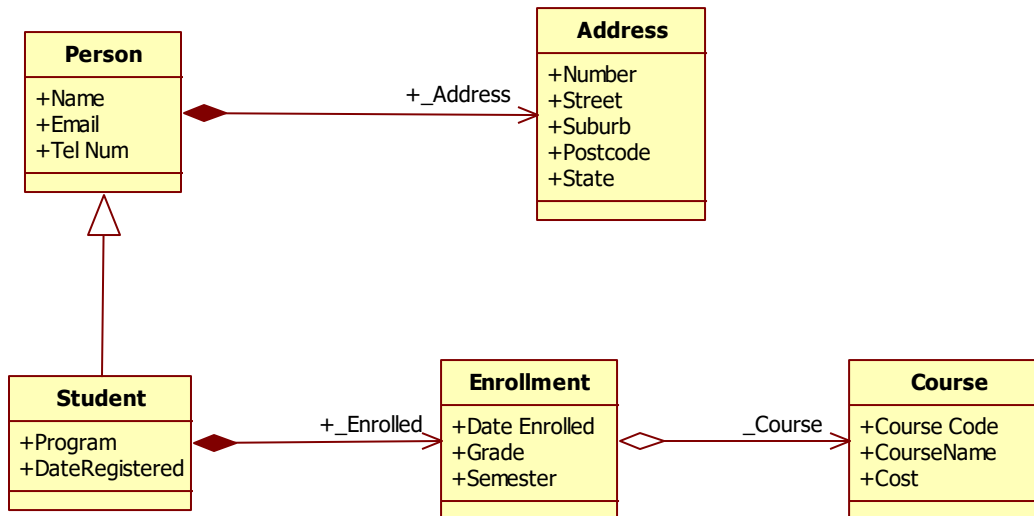


Session 14– Comparators – Assessable Lab Exercises



Using the above classes you created in session 13 last week, implement the following:

1. Add an Id property to the Person class
2. Implement the IComparable interface on all classes and override the CompareTo() to compare different instances of the same class.
3. What precautions would you take when implementing the CompareTo() for the derived class Student (see the FoodItem and CookedFoodItem example in the labs)
4. Create several Comparers to compare Person instances using Name and Email and Tel Num properties.
5. When comparing names for the Person class, how can you ensure that the comparisons ignore the case of the characters the Name and Email properties.
6. Test your Comparators by adding them to a List and calling the List. Sort() to observe if they work
7. Do the same for a HashSet

On completion of the above Lab Exercise, zip and upload the project with the other session assessable lab projects at the end of the semester.