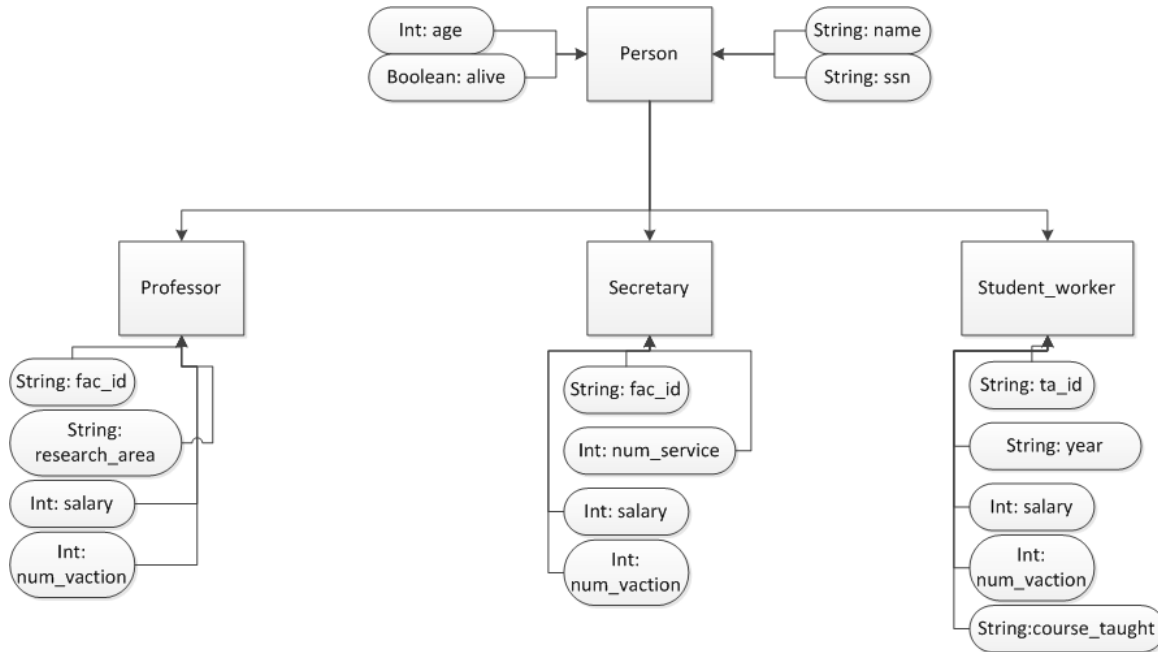# New York Institute of Technology
CSCI 185: Computer Programming II
Module 4 Lab 1: Polymorphism

In this lab, please define ONE base class **Person** and three derived classes **Professor, Secretary, and Student_Worker**. For each derived class, you should define an integer data field **num_vacation** and an integer data field **salary**. Then you should use **polymorphism** to determine what type of vacation and salary each type of employee will have, as shown in the diagram below.

Use polymorphism to determine (1) the salary made for each type of person fac: monthly sec: bi-weekly ta: hourly and (2) the number of days for vacation fac: 3 months sec: 1 month ta: weekend

For instance, you can define an overridden **getPaid** method which can show which type of pay the person is getting. Also you can define an overridden **getVacation** method which can determine what type of vacation a person is eligible.