

CSIT121 Lab Exercises

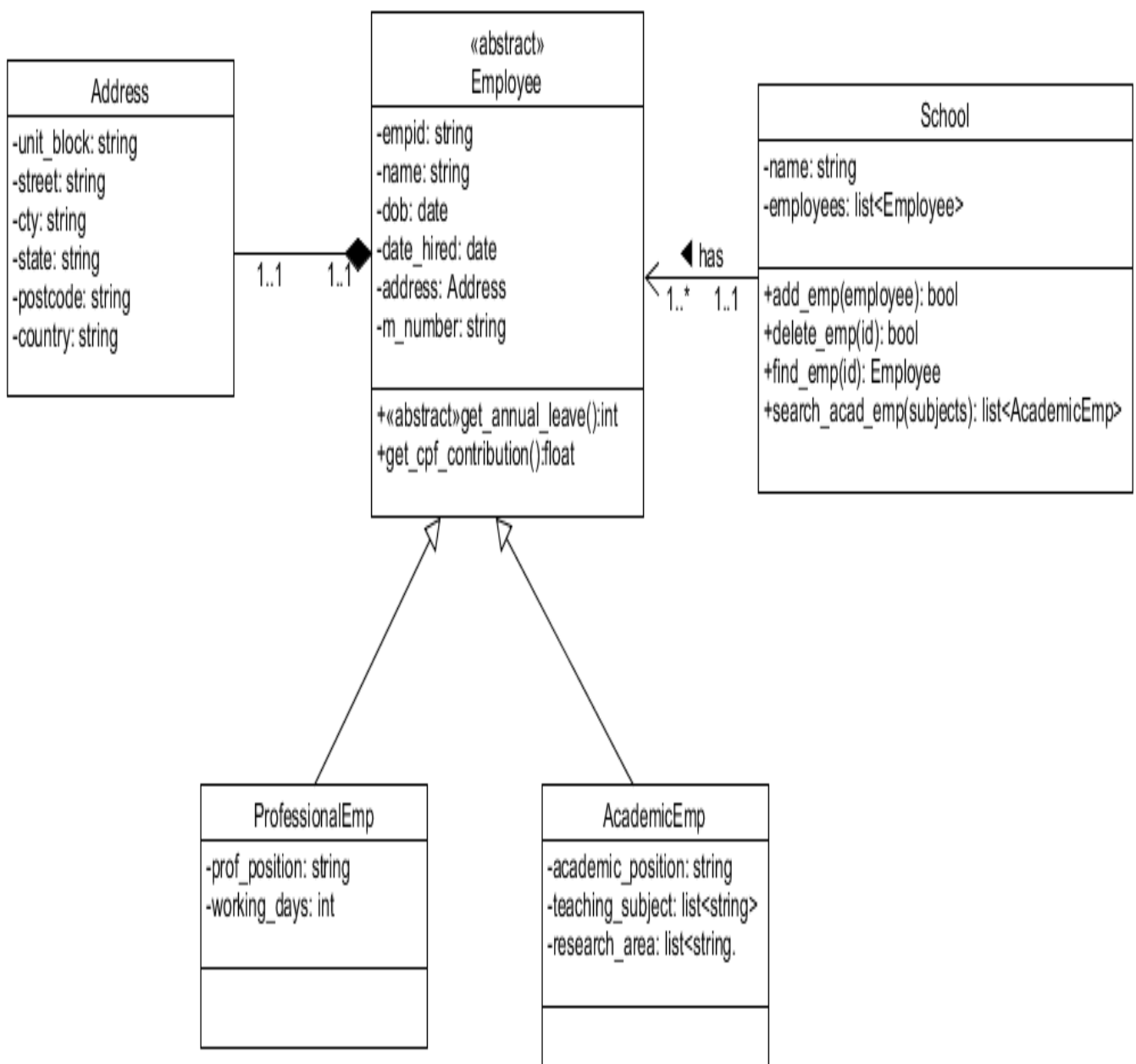
Lab 3

Objectives

- Get familiar with inheritance and polymorphism.
- Get familiar with abstract base class.

You are required to design and implement a staff management system for UOW using OOP. The basic class design of the system is given below. You can make reasonable adjustments to the basic design or have a different design.

You should include reasonable get/set methods for each class. You should define main and other helper functions to test the classes.



Employee

- Employee Id
- Name (first and last name)
- DOB
- Address
- Mobile number

Professional Employee

- Name (first and last name)
- DOB
- Address
- Mobile number
- Staff ID
- Professional position
- Working days

Academic Employee

- Name (first and last name)
- DOB (date)
- Address
- Mobile number
- Staff ID
- Academic position
- Teaching subject
- Research area

Address

- Unit and block
- Street
- City
- State
- Postcode
- Country

School

- School name
- Employees of the school