Preparing People to Lead Extraordinary Lives

LOYOLA
UNIVERSITY
CHICAGO

DEPARTMENT OF
Computer Science

Comp 170 Isom 370 - Assignment
Finding Objects

As in the course syllabus, late assignments will not be accepted unless you have a completed the process for using a late pass before the due date.

1. Submit

Online as instructed in class before the due date and time.

2. Format

English text approximately 1 to 2 pages. Use Microsoft word or a .txt or .rtf file (from WordPad, etc.). If you use a different tool, save as .pdf and submit that.

3. Content

Summary: Identify and define three OOP classes and give example object for each.

Three different **kinds (or categories or types)** of objects (object oriented "classes") that you identified around the Loyola campus after class. For each of the three kinds list a brief name, a sentence or two describing these kinds of objects in general and list their attributes or features or properties (things about them). These "kinds" of things are what we will program as "classes" – a general description of a concept or entity in the real world. A general description never actually exists, it is abstract – you cannot touch one!

Then, for each of your kinds of things write down a list of three to five objects of this kind. These objects are the specific, real world things you saw as you walked about campus. You can touch objects – they are the physical things that really exist. Each one usually has some different attribute values for other objects of the same class

4. Grading

Points for each class of the three things you properly define with appropriate attributes and names. No points if class i not a proper class concept. 5 points each one, total 15 points. -2 for incorrect or incomplete class description. -2 for incomplete, missing, or unclear properties. -1 for incorrect object descriptions.

Example (don't use this as one of your three, but use this format):

Name for Class: LoyolaClassSession.

Description: Loyola academic classes are scheduled in sections that meet at set times and places and are attended by students who register for the class; each class section has a faculty member and possibly also a teaching assistant. Courses are offered by departments and named with a department abbreviation and a number.
Properties:
courseId
sectionNumber
meetingRoom
startTime
endTime
days
professorName
professorDepartment
taName

Objects:
1. Comp 170 Section 001 meets in DH 342 on Tuesday and Thursday at 1:00pm. 28 students are currently registered for the course which is taught by Dr. Honig of the Computer Science Department. Benjamin is the TA.

2. Phys 150 Section 001, Dr. Gangopadhya, CS 301, MWF 8:30 to 9:20. 17 students. No TA.

3. Chem 101 Section 005, Dr. Olsen, LSB 206, TuTr 2:30 – 3:45. 28 students. TA Eric Smith.