



Preparing People to Lead Extraordinary Lives

LOYOLA
UNIVERSITY
CHICAGO

DEPARTMENT OF
Computer Science

Comp 271 - Assignment InvalidAddress Exception

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

The zipped project file in Sakai assignment following the correct file naming convention.

2. Format

Java program using proper programming style and with appropriate java doc comments in the code. Code must compile and run in the tools used in class.

3. Content

Summary: Write a complete Java project using correct Object Oriented Programming techniques. The purpose of this assignment is to get familiar with the creation and handling of custom exceptions

Base your new project on our work on the Person inheritance hierarchy. You can use as much or as little of the Person and related classes as you wish. You must include:

- An Address class. Each Person has (at least) one address.
- A checkAddress() method for the Address class that throws a new custom exception InvalidAddressException. You can decide what makes an address invalid (or if you don't want to go into that, randomly have some checks fail and some pass). Include suitable information when raising the exception.
- Use main to create some Persons, with some Addresses. Call checkAddress directly or from other methods such as constructors. Have some addresses that cause the exception and some that don't. Structure the code suitably to handle the exceptions in the proper way. You can get addresses to check from the user or have some created in code. When the exception occurs handle it appropriately. Show suitable information about the custom exception in the output of main.

Test your program fully and carefully. Make sure the output from the program looks good and is easy to follow.

For items you are not sure how to do, keep a list of questions. Post them in Sakai Forum or bring them to class to discuss.

4. Grading

20 points total. 10 points for each of creating/throwing exception and catching / handling. No points if will not compile. -3 to -5 for logic errors and missing requirements depending on severity. -5 for not suitably including information in the custom exception. Up to -10 for poor programming style or lack of documentation.

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//end assignment