Gebze Institute of Technology
Department of Computer Engineering

CSE 241
Object Oriented Programming
Fall 2011
Homework # 8
Inheritance
Due date December 19ᵗʰ 2011

In this homework you will design and implement classes for
- undergraduate student
- graduate student
- worker
- Automobile
- Truck

1. List new classes that would make the design of the above classes more convenient. For example, you may want to use new base classes to prevent any code repetition.
2. Draw figures on a paper that shows is-a and has-a relations between these classes. You should use inheritance and composition as much as possible. You should indicate the member functions and data in these figures.
3. Implement these classes as designed in step 2.
4. Test all the classes using driver code.

Notes:
- You should strictly follow the homework submission details and email your homework to the TA.
- Your program should use the OO principles.
- There should be one header and one source file for each class.
- Your program should be well commented and indented.
- Attach a text file showing your test results.
- Also attach your design figures that you drew in step 2. Your figures should be hand drawn.