

# Assignment 5 – Object-Oriented Programming

DNET 4200 – H. Kaeid

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**Reference:** Chapters 8, 9, 10: Visual C# 2012 Programming

**Related topics:**

*Inheritance*

- Implementing Inheritance
- Abstract and sealed classes
- Hiding and overriding base class members.
- System.Object
- Constructor execution sequence

*Interfaces*

- Implementing interfaces
- Interfaces versus abstract classes

**Tasks:**

1. Read Chapters 9 and 10.
2. Complete Chapter 10: "Example Application" on page 224 from the textbook:
  - a. Creating a class library (CardLib) and a client application.
3. Do Chapter 10: Exercise 10.5 on page 233 from the textbook:
  - a. Creating another client application for the previous class library (CardLib).
4. Add comments to each program to comprehensively explain the code. Your comments should include:
  - a. Opening comment which includes your name, date, name and number of exercise, overall description of what the application does and any other useful information.
  - b. Descriptions of all variables.
  - c. Purpose for each function, control structure, input requirements, and output results.
5. Attach your entire solution folder zipped to the assignment drop-box.
6. Submit only one zipped folder and name it as follows: Lastname\_firstname\_assignment 5