

# Homework 13, ISTA-220

Chapter 13, C# Step by Step

July 28, 2018

## 1 Homework

### 1.1 Readings

Read chapter 13, pages 277 – 293 in the *C# Step by Step* book.

### 1.2 Discussion Questions

Answer the discussion questions in writing.

1. What is an *interface* as the term is used on object-oriented programming?
2. How do you define an interface?
3. Can an interface have variables, fields, or properties?
4. How do you define a method in an interface?
5. Can you instantiate an object through an interface? Why or why not?
6. Using the *new* keyword, can you declare a reference to an interface?
7. Can an object inherit from multiple interfaces? Can a class implement multiple interfaces? If so, how can it do so?
8. What does it mean to *explicitly implement an interface*?
9. What are the restrictions on interfaces?
10. What is the difference between an *abstract class* and an interface?
11. What is an *abstract method*?
12. What is an *sealed class*?
13. What is an *sealed method*?