

# Homework, ISTA-421

## Chapter 23, C# Step by Step

### Readings

Read chapter 23, pages 517 – 558 in the *C# Step by Step* book.

### Discussion Questions

Answer the discussion questions in writing for chapter 23.

- 1 List two reasons for multitasking, and explain the rationale for them.
- 2 Explain Moore's law. What does Moore's law have to do with multitasking?
- 3 In UWP, what namespace is used as the container for the multitasking methods?
- 4 What is the difference between tasks and threads? Explain.
- 5 What is the *ThreadPool*?
- 6 What parameters does the *Task()* constructor take?
- 7 How do you start a thread?
- 8 What is the difference between the *Start()* and *Run()* methods?
- 9 What is the difference between creating independent tasks with *Tasks* and parallelization with *Parallel*? Explain.
- 10 Explain how manual cancellation works using a cancellation token.