# Chapter 6

**Lists Plus**

6.1 More About Generics: C++ Templates

6.2 Circular Linked Lists

Finding a List Item

Inserting Items into a Circular List

Deleting Items from a Circular List

6.3 Doubly Linked Lists

Finding an Item in a Doubly Linked List

Operations on a Doubly Linked List

6.4 Linked Lists with Headers and Trailers

6.5 Copy Structures

Shallow Versus Deep Copies

Class Copy Constructors

Copy Function

Overloading Operators

6.6 A Linked List as an Array of Records

Why Use an Array?

How Is an Array Used?

6.7 Polymorphism with Virtual Functions

6.8 A Specialized List ADT

Test Plan

6.9 Range-Based Iteration

Summary

Exercises