Chapter 3

ADT Unsorted List

After studying this chapter, you should be able to

* Describe the ADT Unsorted List from three perspectives
* Use the Unsorted List operations to implement utility routines to do the following application-level tasks:
* Print the list of elements
* Create a list of elements from a file
* Implement the following Unsorted List operations using an array-based implementation:
* Create and destroy a list
* Determine whether the list is full
* Put an element into the list
* Get an element from the list
* Delete an element from the list
* Write and execute a test plan for an abstract data type
* Declare variables of pointer types
* Access the variables to which pointers point
* Implement the list operations outlined above using a linked implementation
* Compare the two implementations of the ADT Unsorted List in terms of Big-O approximations