Chapter 1

The BlackBox Framework
■ The Component Pascal language
■ Cross-platform capability
■ Graphical user interface
■ Object-oriented language and system
(a) Multiple versions without the BlackBox framework.

(b) One program with the BlackBox framework.

Figure 1.1
The cross-platform capability of BlackBox.

(a) A Macintosh dialog box developed in the BlackBox framework.

(b) A MSWindows dialog box developed in the BlackBox framework.

Figure 1.2
The same dialog box with two different operating systems.
- Type and Statement abstraction
- Structure and Procedure abstraction
- Class abstraction
- Behavior abstraction
■ Mod—the programs you write with the text editor
■ Code—the machine language version that the Component Pascal translator will create from your programs in Mod
■ Sym—the symbol table that the Component Pascal translator will create from your programs in Mod
■ Docu—the documentation you write with the text editor that accompanies the programs in the Mod folder
■ Rsrc—the resources that you create with the Form subsystem that accompany the programs in the Mod folder

Figure 1.3
The homework project folder.
(a) Selecting a stretch of text.

(b) Drag and drop the selection.

(c) Drag and drop with copy.
Figure 1.5
Saving a document.

(a) MacOS.

(b) MSWindows.
**Figure 1.6**
Entering a file list to be encoded.

**Figure 1.7**
The result of selecting Tools→Encode File List.
Figure 1.8
Saving the encoded document.

(a) MacOS.

(b) MSWindows.