

2. Shopping Cart System

Design an application that works as a shopping cart system. The user should be able to add any of the following items to his or her shopping cart:

Print Books (books on paper):

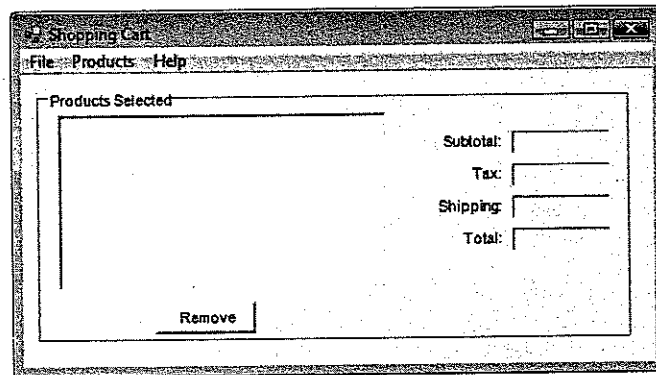
<i>I Did It Your Way</i>	\$11.95
<i>The History of Scotland</i>	\$14.50
<i>Learn Calculus in One Day</i>	\$29.95
<i>Feel the Stress</i>	\$18.50

Audio Books (books on tape):

<i>Learn Calculus in One Day</i>	\$29.95
<i>The History of Scotland</i>	\$14.50
<i>The Science of Body Language</i>	\$12.95
<i>Relaxation Techniques</i>	\$11.50

The application's main form should appear similar to the one shown in Figure 7-56.

Figure 7-56 Shopping Cart main form



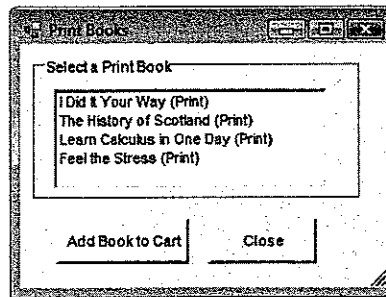
The list box shows all items in the shopping cart. There is a 6% sales tax on the total cost of the items in the shopping cart. Also, for each item in the shopping cart there is a \$2.00 shipping charge. To remove an item from the shopping cart, the user selects it in the list box and clicks the *Remove* button. The subtotal, tax, shipping, and total fields should be adjusted accordingly. The main form's menu system is sketched in Figure 7-57.

Figure 7-57 Shopping Cart menu system

<u>F</u> ile	<u>P</u> roducts	<u>H</u> elp
<u>R</u> eset    Ctrl+R	<u>P</u> rint Books	<u>A</u> bout
<u>E</u> xit     Ctrl+Q	<u>A</u> udio Books	

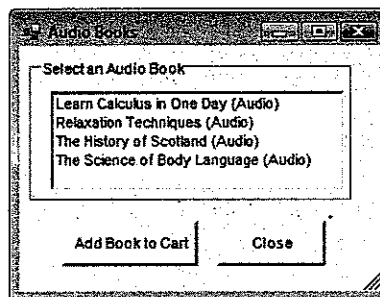
When the user selects *Reset* from the *File* menu, all items in the shopping cart should be removed, and the subtotal, tax, shipping, and total fields should be cleared. When the user selects *Exit* from the *File* menu, the application should end. When the user selects *About* from the *Help* menu, a simple *About* box should appear. When the user selects *Print Books* from the *Products* menu, the form in Figure 7-58 should appear.

**Figure 7-58** *Print Books* form



To add one of the items in the list to the shopping cart, the user selects it and clicks the *Add Book to Cart* button. To cancel the operation, the user simply clicks the *Close* button without selecting a book. On the main form, when the user selects *Audio Books* from the *Products* menu, the form in Figure 7-59 should appear.

**Figure 7-59** *Audio Books* form



To add one of the items in the list to the shopping cart, the user selects it and clicks the *Add Book to Cart* button. To cancel the operation, the user simply clicks the *Close* button without selecting a book.