

Name: _____
Computer Science ~ Final Part II

Date: _____
McLees/Mendreski

Computer Science 1 Final – Part II

Due: January 18, 2017 at the beginning of the period

A furniture manufacturer makes two types of furniture; chairs and sofas. The file PRICE&TAXDATA.TXT contains three numbers giving the cost per chair, cost per sofa, and sales tax rate. Write a program to create an invoice form for an order. See [Figure 4.14](#). After the data on the left side of [Figure 4.14](#) are entered, you can display an invoice in a list box by pressing the Process Order button. You can press the Clear Order Form button to clear all text boxes and the list box, and you can press the Quit button to exit the program. The invoice number consists of the capitalized first two letters of the customer's last name, followed by the last four digits of the zip code. The customer name is input with the last name first, followed by a comma, a space, and the first name. However, the name is displayed in the invoice in the proper order. The generation of the invoice number and the reorder of the first and last names should be carried out in Function procedures.

Figure 4.14. Sample run for Programming Project 6.

The screenshot shows a Windows-style application window titled "Furniture Order Form". The window is divided into two main sections. The left section contains input fields for customer information: "Customer name: (Last, First)" with the value "Smith, William", "Address:" with "123 Geary Street", "City, State, Zip:" with "Alameda, CA 94501", "Number of chairs ordered:" with "4", and "Number of sofas ordered:" with "3". The right section displays the generated invoice: "Invoice Number: SM4501", "Name: William Smith", "Address: 123 Geary Street", "City: Alameda, CA 94501", "Number of Chairs: 4", "Number of Sofas: 3", and a cost breakdown: "Cost: \$4,175.00", "Sales Tax: \$208.75", and "Total Cost: \$4,383.75". At the bottom of the window are three buttons: "Process Order", "Clear Order Form", and "Quit".

Field	Value
Customer name: (Last, First)	Smith, William
Address:	123 Geary Street
City, State, Zip:	Alameda, CA 94501
Number of chairs ordered:	4
Number of sofas ordered:	3
Invoice Number:	SM4501
Name:	William Smith
Address:	123 Geary Street
City:	Alameda, CA 94501
Number of Chairs:	4
Number of Sofas:	3
Cost:	\$4,175.00
Sales Tax:	\$208.75
Total Cost:	\$4,383.75