1 **import** javax.swing.\*;

2 **import** java.awt.event.\*;

3

4 **public** **class** ExpandedMealMenu **extends** JFrame **implements** ActionListener

5 {

6 JPanel p1, p2;

7 String[] entreeItems = {"Hamburger", "Taco", "BLT Sandwich",

8 "Nachos", "Chicken Soup", "Hot Chili",

9 "Salad"};

10 String[] extrasValues = {"Cheese", "Ketchup", "Napkins", "Mustard",

11 "Mayonnaise", "Salsa", "Paper Plate",

12 "Utensils", "Water"};

13 JComboBox entree;

14 JList extrasList;

15 JButton placeOrder;

16

17 **public** ExpandedMealMenu(String title)

18 {

19 **super**(title);

20 setLayout(null);

21 setSize(303, 200);

22

23 //Build the entree panel

24 p1 = **new** JPanel(); **//declare the panel**

25 p1.setLayout(null);

26 p1.setBorder(BorderFactory.createTitledBorder("Entree"));

27 p1.setBounds(5, 10, 140, 110); **//locate and size the entrée panel**

28

29 entree = **new** JComboBox(entreeItems);

30 entree.setMaximumRowCount(4);

31 entree.setBounds(10, 20, 120, 20);

32 p1.add(entree);

33

34 //Build extras panel

35 p2 = **new** JPanel(); **//declare the panel**

37 p2.setLayout(null);

37 p2.setBorder(BorderFactory.createTitledBorder("Extras"));

38 p2.setBounds(150, 10, 140, 110); **//locate and size the extras panel**

**39**

40 extrasList = **new** JList(extrasValues);

41 JScrollPane aScrollableList = new JScrollPane(extrasList);

42 aScrollableList.setBounds(10, 20, 120, 80); **//80 displays 4 values**

43 p2.add(aScrollableList);

44

45 placeOrder = **new** JButton("Place Order"); **//declare the JButton**

46 placeOrder.setBounds(80, 130, 120, 30); **//locate and size it**

47 placeOrder.addActionListener(this); **//register its event handler**

48

49 add(p1); **//add the panels and the JButton to the content pane**

50 add(p2);

51 add(placeOrder);

52 }

53

54 **//Place order button handler**

55 **public** **void** actionPerformed(ActionEvent e)

56 {

57 Object[] extrasOrderedArray;

58

59 System.out.print("\nEntree Number " + entree.getSelectedIndex() +

60 ": " + entree.getSelectedItem() );

61

62 extrasOrderedArray = extrasList.getSelectedValues();

63 **for**(**int** i = 0; i < extrasOrderedArray.length; i++)

64 {

65 System.out.print(", " + extrasOrderedArray[i]);

66 }

67 }

68 }

**Figure 12.8 The class ExpandedMealMenu.**