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

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

3

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

5 {

6 JPanel p1, p2;

7 JRadioButton hamburger, taco, blt;

8 JCheckBox cheese, ketchup, napkins;

9 JButton placeOrder;

10

11 **public** MealMenu()

12 {

13 **super**("Dollar Meals");

14 setLayout(**null**);

15 setSize(303, 200);

16

17 **//Build the radio button entree panel**

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

19 p1.setLayout(**null**);

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

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

22

23 hamburger = **new** JRadioButton("Hamburger", **true**); **//declare buttons**

24 taco = **new** JRadioButton("Taco");

25 blt = **new** JRadioButton("BLT Sandwich");

26

27 hamburger.setBounds(10, 20, 120, 20); **//locate and size the buttons**

28 taco.setBounds(10, 50, 120, 20);

29 blt.setBounds(10, 80, 120, 20);

30

31 ButtonGroup bg1 = **new** ButtonGroup(); **//group the buttons**

32 bg1.add(hamburger);

33 bg1.add(taco);

34 bg1.add(blt);

35

36 p1.add(hamburger); **//add the buttons to the panel**

37 p1.add(taco);

38 p1.add(blt);

39

40 **//Build the check box extras panel**

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

42 p2.setLayout(**null**);

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

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

45

46 cheese = **new** JCheckBox("Cheese"); **//declare the check boxes**

47 ketchup = **new** JCheckBox("Ketchup");

48 napkins = **new** JCheckBox("Napkins");

49

50 cheese.setBounds(10, 20, 120, 20); **//locate and size the check boxes**

51 ketchup.setBounds(10, 50, 120, 20);

52 napkins.setBounds(10, 80, 120, 20);

53

54 p2.add(cheese); **//add the check boxes to the panel**

55 p2.add(ketchup);

56 p2.add(napkins);

57

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

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

60 placeOrder.addActionListener(**this**); **//register the event handler**

61

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

63 add(p2);

64 add(placeOrder);

65 }

66

67 **//Place order button handler**

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

69 {

70 **int** extras = 0;

71 String order = "";

72

73 **if**(hamburger.isSelected() == t**r**ue)

74 {

75 order = order + "Hamburger ";

76 }

77 **else** **if**(taco.isSelected() == **true**)

78 {

79 order = order + "Taco ";

80 }

81 **else** **if**(blt.isSelected() == **true**)

82 {

83 order = order + "BLT sandwich ";

84 }

85 **if**(cheese.isSelected() == **true**)

86 {

87 order = order + " and cheese";

88 extras++;

89 }

90 **if**(ketchup.isSelected() == **true**)

91 {

92 order = order + " and ketchup";

93 extras++;

94 }

95 **if** (napkins.isSelected() == **true**)

96 {

97 order = order + " and napkins";

98 extras++;

99 }

100 **if**(extras == 0)

101 {

102 order = order + " no extras";

102 }

103 System.out.println(order);

104 }

105 }

**Figure 12.5 The class MealMenu.**