1 import javafx.application.Application;

2 import javafx.geometry.\*;

3 import javafx.scene.Scene;

4 import javafx.scene.control.\*;

5 import javafx.scene.layout.\*;

6 import javafx.scene.text.Font;

7 import javafx.stage.Stage;

8

9 public class MealMenu extends Application

10 {

11 RadioButton hamburger, taco, blt;

12 CheckBox cheese, ketchup, napkins;

13

14 @Override

15 public void start(Stage primaryStage)

16 {

17 String blue = "-fx-border-color: rgba(0, 0, 200, 0.7);";

18

19 // Declare the order button and register its event handler

20 Button placeOrder = new Button("Place Order");

21 placeOrder.setOnAction(e -> placeOrderHandler());

22

23 //Build the radio button VBox and group the buttons

24 Label radioLbl = new Label("Entree");

25 radioLbl.setFont(new Font("Arial", 16));

26 hamburger = new RadioButton("Hamburger");

27 taco = new RadioButton("Taco");

28 blt = new RadioButton("BLT Sandwich");

29

30 VBox radioPane = new VBox(radioLbl, hamburger, taco, blt);

31 radioPane.setPrefWidth(180);

32 radioPane.setStyle(blue);

33 radioPane.setSpacing(10);

34 radioPane.setPadding(new Insets(10));

35

36 ToggleGroup entreeGroup = new ToggleGroup();

37 hamburger.setToggleGroup(entreeGroup);

38 taco.setToggleGroup(entreeGroup);

39 blt.setToggleGroup(entreeGroup);

40

41 //build the check box VBox

42 Label extrasLbl = new Label("Extras");

43 extrasLbl.setFont(new Font("Arial", 16));

44 cheese = new CheckBox("Cheese");

45 ketchup = new CheckBox("Ketchup");

46 napkins = new CheckBox("Napkins");

47 napkins.setSelected(true);

48

49 VBox checkPane = new VBox(extrasLbl, cheese, ketchup, napkins);

50 checkPane.setPrefWidth(180);

51 checkPane.setStyle(blue);

52 checkPane.setSpacing(10);

53 checkPane.setPadding(new Insets(10));

54

55 //Add the VBoxes and the button to a grid pane

56 GridPane grid = new GridPane();

57 grid.setPadding(new Insets(10));

58 grid.setHgap(25);

59 grid.setVgap(8);

60 grid.addRow(0, radioPane, checkPane);

61 grid.add(placeOrder, 0, 1, 2, 1);

62 grid.setHalignment(placeOrder, HPos.CENTER);

63

64 Scene scene = new Scene(grid, 400, 195);

65

66 primaryStage.setTitle("Dollar Meal");

67 primaryStage.setScene(scene);

68 primaryStage.show();

69 }

70

71 public void placeOrderHandler()

72 {

73 String order = "";

74 if(hamburger.isSelected())

75 {

76 order = order + "Hamburger";

77 }

78 else if(taco.isSelected())

79 {

80 order = order + "Taco";

81 }

82 else if(blt.isSelected())

83 {

84 order = order + "BLT sandwich";

85 }

86 if(cheese.isSelected())

87 {

88 order = order + ", and cheese";

89 }

90 if(ketchup.isSelected())

91 {

92 order = order + ", and ketchup";

93 }

94 if(napkins.isSelected())

95 {

96 order = order + ", and napkins";

97 }

98 System.out.println(order);

99 }

100

101 public static void main(String[] args)

102 {

103 launch(args);

104 }

105 }

**Figure 12.4**

The applicationMealMenu.