1 import javafx.application.Application;

2 import javafx.collections.\*;

3 import javafx.geometry.\*;

4 import javafx.scene.control.\*;

5 import javafx.scene.layout.\*;

6 import javafx.scene.text.Font;

7 import javafx.scene.Scene;

8 import javafx.stage.Stage;

9

10 public class MealMenu2 extends Application

11 {

12 ComboBox entrees;

13 ListView extras;

14 Button placeOrder;

15

16 @Override

17 public void start(Stage primaryStage)

18 {

19 GridPane root = new GridPane();

20 root.setPadding(new Insets(10));

21 root.setHgap(5);

22

23 //Declare the ComboBox's label, its items, the ComboBox and VBox

24 Label entreesLbl = new Label("Entrees");

25 entreesLbl.setFont(new Font("Arial", 14));

26 ObservableList entreeItems = FXCollections.observableArrayList(

27 "a Taco", "a BLT Sandwich", "Nachos",

28 "a Hambuger", "Chicken Soup",

29 "Hot Chili", "a Salad");

30 entrees = new ComboBox(entreeItems);

31 entrees.setPromptText("Make a Selection");

32 VBox comboPane = new VBox(entreesLbl, entrees);

33 comboPane.setPrefWidth(180);

34 comboPane.setPrefHeight(180);

35 comboPane.setSpacing(7);

36 comboPane.setPadding(new Insets(5));

37

38 //Declare the ListView's label, its items, the ListView and VBox

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

40 extrasLbl.setFont(new Font("Arial", 14));

41 extras = new ListView();

42 ObservableList<String> extrasList = extras.getItems();

43 extrasList.addAll("Cheese", "Ketchup", "Napkins", "Mustard",

44 "Mayonnaise", "Salsa", "a Paper Plate",

45 extras.getSelectionModel().setSelectionMode(SelectionMode.MULTIPLE);

46 VBox listPane = new VBox(extrasLbl, extras);

47 listPane.setPrefWidth(180);

48 listPane.setSpacing(7);

49 listPane.setPadding(new Insets(5));

50

51 //Declare the Place Order button and register its event handler

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

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

54

55 root.addRow(0, comboPane, listPane);

56 root.setHalignment(placeOrder, HPos.CENTER);

57 root.add(placeOrder, 0, 1, 2, 1);

58

59 Scene scene = new Scene(root, 360, 200);

60

61 primaryStage.setTitle("Dollar Meal");

62 primaryStage.setScene(scene);

63 primaryStage.show();

64 }

65

66 public void placeOrderHandler()

67 {

68 String order = "Your order is " + entrees.getValue();

69 ObservableList<String> extrasSelected;

70 extrasSelected = extras.getSelectionModel().getSelectedItems();

71 for(String extra : extrasSelected)

72 {

73 order = order + ", and " + extra;

74 }

75 System.out.println(order);

76 }

77

78 public static void main(String[] args)

79 {

80 launch(args);

81 }

82 }

**Figure 12.6**

The applicationMealMenu2.