1 import javafx.application.Application;

2 import javafx.event.ActionEvent;

3 import javafx.scene.Scene;

4 import javafx.scene.control.\*;

5 import javafx.scene.layout.Pane;

6 import javafx.stage.Stage;

7 public class ExpandedDollarMealMenu extends Application

8 {

9 MenuItem saladItem, chickenSoupItem, hamburgerItem, bltItem,

10 tacoItem, nachoItem, chiliItem;

11

12 @Override

13 public void start(Stage primaryStage)

14 {

15 //1- Create the menu bar, which is an instance of the class

16 MenuBar aMenuBar = new MenuBar();

17

18 //2- Create the menus and their submenus

19 Menu dollarMenu = new Menu("Dollar");

20 Menu extrasMenu = new Menu("Extras");

21 Menu sandwichMenu = new Menu("Sandwich");

22 Menu mexicanMenu = new Menu("Mexican");

23

24 //3-Create menu items and sub-menu items. Register event handlers

25 saladItem = new MenuItem("Salad");

26 chickenSoupItem = new MenuItem("Chicken Soup");

27 hamburgerItem = new MenuItem("Hamburger");

28 bltItem = new MenuItem("BLT");

29 tacoItem = new MenuItem("Taco");

30 nachoItem = new MenuItem("Nacho");

31 chiliItem = new MenuItem("Chili");

32

33 saladItem.setOnAction(e-> dollarMenuItemHandler(e));

34 chickenSoupItem.setOnAction(e-> dollarMenuItemHandler(e));

35 hamburgerItem.setOnAction(e-> dollarMenuItemHandler(e));

36 bltItem.setOnAction(e-> dollarMenuItemHandler(e));

37 tacoItem.setOnAction(e-> dollarMenuItemHandler(e));

38 nachoItem.setOnAction(e-> dollarMenuItemHandler(e));

39 chiliItem.setOnAction(e-> dollarMenuItemHandler(e));

40

41 //4- Add items to the submenus and items and submenus to the menus

42 SeparatorMenuItem separator1 = new SeparatorMenuItem();

43 SeparatorMenuItem separator2 = new SeparatorMenuItem();

44 sandwichMenu.getItems().addAll(hamburgerItem, bltItem);

45 mexicanMenu.getItems().addAll(tacoItem, nachoItem, chiliItem);

46 dollarMenu.getItems().addAll(saladItem, chickenSoupItem,separator1,

47 sandwichMenu, separator2, mexicanMenu);

48

49 //5- Add the menus to the menu bar

50 aMenuBar.getMenus().addAll(dollarMenu, extrasMenu);

51

52 //6- Add the menu bar to the pane container

53 Pane pane = new Pane();

54 pane.getChildren().addAll(aMenuBar);

55

56 Scene scene = new Scene(pane, 350, 200);

57

58 primaryStage.setTitle("Expanded Dollar Meal Menu");

59 primaryStage.setScene(scene);

60 primaryStage.show();

61 }

62

63 public static void main(String[] args)

64 {

65 launch(args);

66 }

67

68 public void dollarMenuItemHandler(ActionEvent e)

69 {

70 String order = "You ordered ";

71

72 if(e.getSource() == saladItem)

73 {

73 order = order + "a Salad";

73 }

76 else if(e.getSource() == chickenSoupItem)

77 {

78 order = order + "Chicken Soup";

79 }

80 else if(e.getSource() == bltItem)

81 {

82 order = order + "a BLT Sandwich";

83 }

84 else if(e.getSource() == hamburgerItem)

85 {

86 order = order + "a Hamburger";

87 }

88 else if(e.getSource() == tacoItem)

89 }

90 order = order + "a Taco";

91 }

92 else if(e.getSource() == nachoItem)

93 {

94 order = order + "a Nacho";

95 }

96 else if(e.getSource() == chiliItem)

97 {

98 order = order + "Chili";

99 }

100

101 System.out.println(order);

102 }

103 }

**Figure 12.10**

The application ExpandedDollarMealMenu