Answers to Chapter 2 Student Assignments

KNOWLEDGE CHECK

1. New Project button

2. Toolbox (displayed all the time since pushpin is vertical)

3. Form1.vb [Design] tabbed page

4. Solution Explorer window

5. Properties window

6. When you sign in with a Microsoft account, you have access to Microsoft cloud storage to store your files and preferences to share across devices.

7. Rapid Application Development

8. The red snap lines indicate that text within an object is aligned. The blue snap lines indicate when the sides of the objects are aligned.

9. btn

10. objects

11. To select three PictureBox objects, select the first PictureBox object and then hold down the CTRL key and click the other two PictureBox objects.

12. The purpose of a mock-up is to obtain client approval of the design. After the users and others approve the interface design, the developer can design the program elements required to implement the functionality of the program.

13. The first phase of the program development life cycle is to gather and analyze the program requirements. The second phase of the program development life cycle is to design the user interface.

14. frmCastleTickets

15. lblKnights

16. btnMoat

17. Text property

18. Font property

19. To save the interface mock up that you have completed, you can click the Save All button on the Standard toolbar.

20. Students should write in their own words four complete sentences about UX design.

DEBUGGING EXERCISES

1.   Step 1: Click the Close Window Button object, and then CTRL+click the Select Meal and Information Button objects. Click Format on the Menu bar and point to Align on the Format menu.
        Step 2: Click Rights on the Align submenu.
        Step 3: While the Buttons are still selected, click Format on the menu bar and then point to Vertical Spacing.
        Step 4: Click Make Equal.
        Step 5: While the Buttons are still selected, click Format on the menu bar and then point to Vertical Spacing.
        Step 6: Click Increase.
        Step 7: While the Buttons are still selected, click Format on the menu bar and then point to the Center in Form command.
        Step 8: Click Horizontally on the Center in Form submenu.

2. Correct Order:
        1. User clicks the Teppanyaki or Sushi button.
        2. Program displays a picture of the first selected specialty restaurant clicked by the user and enables the Select restaurant button.
        3. User clicks the button not selected in Step 2.
        4. Program displays a picture of the second selected specialty restaurant selected by the user.
        5. User clicks the Select Restaurant button.
        6. Program displays a confirmation message and disables both restaurant type buttons. The Exit Window button becomes active.
        7. User terminates the program by clicking the Close button.

PROGRAM ANALYSIS

1.   Step 1: Select the Order Cupcakes Label object. Scroll to the Font property in the Properties window. Click the Font property in the left column of the Label Properties window.
        Step 2: Click the ellipsis button for the Font property.
        Step 3: In the Font dialog box, scroll through the Font list and click Tahoma. Click Bold in the Font style list. Click 20 in the Size list.
        Step 4: Click the OK button.

2.	Step 1: Select the Order Cupcakes Label object. Click Format on the Menu bar and then point to Center in Form on the Format menu.
	Step 2: Click Horizontally on the Center in Form submenu.

3.	Step 1: Select the cupcake PictureBox object. Click Format on the Menu bar and then point to Center in Form on the Format menu.
	Step 2: Click Horizontally on the Center in Form submenu.

4.	Step 1: Select the Purchase Now Button object. Scroll to the Font property in the Properties window. Click the Font property in the left column of the Label object Properties window.
	Step 2: Click the ellipsis button for the Font property.
	Step 3: In the Font dialog box, scroll through the Font list and click Tahoma. Click 14 in the Size list.
	Step 4: Click OK.

5.	Step 1: Click the Purchase Now Button object, and then CTRL+click the Close Window Button object. Click Format on the menu bar and then point to Align on the Format menu.
	Step 2: Click Bottoms on the Align submenu.

6.	Step 1: Select the Purchase Now Button object, and then CTRL+click the Close Window Button object. Click Format on the menu bar and then point to Make Same Size on the Format menu.
	Step 2: Click Both on the Make Same Size submenu.

7. In the real world, after the mock-up is designed, it is shown to the users and others for approval. When the users approve the interface design, the developer can design the program elements required to implement the functionality of the program. This will save the developer from redesigning the whole user interface if the developer does not obtain approval before coding begins.