18. Open the Debug Solution (Debug Solution.sln) file contained in the VbReloaded2012\Chap12\Debug Solution folder. The application is connected to the Friends database stored in the Friends.accdb file. The database contains one table named tblFriends. The table contains nine records. Open the Code Editor window and review the existing code. Correct the code to remove the jagged line that appears below one of the lines of code. Save the solution and then start and test the application. Click the Fill button and then click the Next and Previous buttons. Notice that the application is not working correctly. Correct the application's code. When the application is working correctly, close the solution. (7)

Case Projects

Modified Trivia Game

If necessary, complete the Trivia Game application from this chapter's Programming Tutorial 1, and then close the solution. Use Windows to make a copy of the Trivia Game Solution folder. Rename the folder Trivia Game Solution-Case Project. Open the Trivia Game Solution (Trivia Game Solution.sln) file contained in the Trivia Game Solution-Case Project folder. Modify the application to allow the user to answer the questions in any order and also to change his or her answers. (You can modify the interface to include additional buttons.) The modified application should display the number of incorrect answers only when the user requests that information. Make the appropriate modifications to the code. Save the solution and then start and test the application. Close the solution. (2-4, 7, 8)

College Courses

In this Case Project, you use a Microsoft Access database named Courses. The database is stored in the VbReloaded2012\Chap12\Access Databases\Courses.accdb file. The database contains one table named tblCourses. The table has 10 records. Each record has the following four fields: ID, Title, CreditHours, and Grade. The CreditHours field is numeric; the other fields contain text. Create an application that allows the user to display the records for a specific grade (A, B, C, D, or F). The user should also be able to display all of the records. Display the records in a DataGridView control. The application should not allow the user to add or delete records. Include a Calculate GPA button on the BindingNavigator control. The button's Click event procedure should display the student's GPA. An A grade is worth 4 points, a B is worth 3 points, and so on. Use the following names for the solution and project, respectively: College Courses Solution and College Courses Project. Save the application in the VbReloaded2012\Chap12 folder. Change the form file's name to Main Form.vb. (2-11)

Political Awareness Organization

During July and August of each year, the Political Awareness Organization (PAO) sends a questionnaire to the voters in its district. The questionnaire asks the voter for his or her political party (Democratic, Republican, or Independent) and age. From the returned questionnaires, the organization's secretary tabulates the number of Democrats, Republicans, and Independents in the district. The secretary wants an application that she can use to save each respondent's information (political party and age) in a database named PAO. The PAO database is stored in the VbReloaded2012\Chap12\Access Databases\PAO.accdb file. The database contains one table named tblQuestionnaire. The table has 15 records. Each record has a text field named Party, and two numeric fields named Id and Age. The application should also allow the secretary