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ACCESS WORKBENCH EXERCISES

AW.5.1   Using an IE Crow's Foot E-R diagram, draw a database design for the Wedgewood Pacific Corporation (WPC) database completed at the end of Chapter 3's section of "The Access Workbench."

AW.5.2   This chapter's section of "The Access Workbench" describes how to create 1:1 relationships in Microsoft Access. In particular, we added the business rule that each salesperson at Wallingford Motors can have one and only one vehicle as a demo car. Suppose that the rule has been changed so that each salesperson can have one or more cars as demo vehicles.

   A.   Using an IE Crow's Foot E-R diagram, redraw the database design in Figure AW-5-1 to show the new relationship between VEHICLE and SALESPERSON. Which table(s) is (are) the parent(s) in the relationship? Which table(s) is (are) the child(ren)? In which table(s) do you place a foreign key?

B. Start with the Wallingford Motors database that you have created so far (**WMCRM.accdb**) as it exists after working through all the steps in this chapter's section of "The Access Workbench." (If you have not completed those actions, do so now.) Copy the **WMCRM.accdb** database and rename the copy **WMCRM-AW05-v02.accdb**. Modify the WMCRM-AW05-v02.accdb database to implement the new relationship between VEHICLE and SALESPERSON. (*Note:* Copying a Microsoft Access database is discussed in Chapter 4's section of "The Access Workbench.")

AW.5.3 This chapter's section of "The Access Workbench" describes how to create 1:1 relationships in Microsoft Access. In particular, we added the business rule that each salesperson at Wallingford Motors can have one and only one vehicle as a demo car. Suppose that the rule has been changed so that (1) each salesperson can have one or more cars as demo vehicles and (2) each demo vehicle can be shared by two or more salespersons.

A. Using an IE Crow's Foot E-R diagram, redraw the database design in Figure AW-5-1 to show the new relationship between VEHICLE and SALESPERSON. Which table(s) is (are) the parent(s) in the relationship? Which table(s) is (are) the child(ren)? In which table(s) do you place a foreign key?

B. Start with the Wallingford Motors database that you have created so far (**WMCRM.accdb**) as it exists after working through all the steps in this chapter's section of "The Access Workbench." (If you have not completed those actions, do so now.) Copy the **WMCRM.accdb** database and rename the copy **WMCRM-AW05-v03.accdb**. Modify the WMCRM-AW05-v03.accdb database to implement the new relationship between VEHICLE and SALESPERSON. (*Note:* Copying a Microsoft Access database is discussed in Chapter 4's section of "The Access Workbench.")

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