Lab 7: Querying the Museum Gift Shop Database

Problem: The manager of the Museum gift shop has come up with several questions she wants the database management system to answer, using the "Lab 6 Museum Gift Shop" database we created in Lab 6. Use queries created with Query Design to obtain answers to these questions.

General Instructions: If a query building instruction does not say "all fields", then include ONLY the fields named in the instruction step but include them in the order listed in the instructions!

Instructions:

1. Open the "Lab 6 Museum Gift Shop" database and File / Save As "Lab 7 Museum Gift Shop".
2. Create a query for the Item table that includes all fields (in the same order as the table) and all records in the *Items* table. Close the design view and name the query "q01_all_items".
3. Create a query for the *Items* table that includes the Item Number, Description, Wholesale Cost, and Vendor Code fields for all records where the vendor code is AW Save the query as "q02_AW_items".
4. Create a query for the *Items* table that includes the Item Number, Description and Vendor Code fields for all items where the description starts with G. Save the query as "q03_G_items".
5. Create a query for the *Items* table that includes the Item Number, Description, Wholesale Cost and Vendor Code for all items with a Wholesale Cost greater than $15.00. Save the query as "q04_costly_items"
6. Create a query for the *Items* table that includes the Item Number, Description, Retail Price, and Vendor Code fields for all *Items* with a Retail Price **between** $5.00 and $14.99, INCLUDING those 2 values. "q05_midprice_items".
7. Create a query for the Item table that includes the Item Number, Description, On Hand, and Wholesale Cost fields for all *Items* where the number On Hand is less than 5 and the wholesale cost is **less** than $15 .00. Save the query as "q06_cheap_items".
8. Create a query for the *Items* table that includes the Item Number, Description, Wholesale Cost, and Vendor Code for all *Items* that have a Wholesale Cost greater than $20.00 or a Vendor Code of SD. Save the query as "q07_SD_expensive_items".
9. Create a query that joins the *Vendors* table and the *Items* table. Include the Vendor Code and Vendor Name from the *Vendors* table and the Item Number, Description, Wholesale Cost, and Retail Price fields from the *Items* table. Be sure your fields are in the Query Design grid in the specified order. Add a sorting rule to sort the query in ascending order by Description within Vendor Code. See the instructions in the Access Workbook under "To Sort on Multiple Keys". Save the query as "q08_vendors_items".
10. With the "q08_vendors_items" query open click the "Create" tab, then click the "Form" button (NOT the Form Design button). Use the scroll buttons at the bottom of the form to get to one of the items with YOUR Supplier code. Save the form, naming it "Vendor-Item-Form". You should now have TWO forms (one from lab 1-2).
11. In the Navigation Pane, right-click "Vendor-Item-Form" and rename it as "***Last Name*** Vendor-Item Form", where ***Last Name*** is **your** last name.
12. Use the report wizard to create a new report. The report uses the "q08_vendors_items" query. Use only the Vendor Name, Description, Wholesale Cost, and Retail Price fields from the query. Group by Vendor Name. Sorted ascending by Description within Vendor Name. Use the ~~Tabular~~ Stepped layout. Title it "Vendor-Item-Report".
13. Create a query for the *Items* table that includes the Item Number, Description, Wholesale Cost, and Retail Price. Insert a calculated field Named *Mark Up* that computes the difference between Retail Price and Wholesale Cost (Retail Price - Wholesale Cost). Save the query as "q09_items_markup".
14. Create a query for the *Items* table that displays the average Wholesale Cost and the average Retail Price of all *Items*. No other fields will appear. Save the query as "q10_item_averages".

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15. Create a query for the *Items* table that displays the Item Number, Description, On Hand, and Retail Price for the 5 *Items* with the lowest retail price. Save the query as “q11_lowest5_items”.
16. Modify the “q02_AW_items” query from instruction 3 so that you are prompted for the vendor code to display instead of coding “AW” as the vendor. Save this query as “q12_selectVendor_items”
17. Save your “Lab 7 Museum Gift Shop” database and submit it on myCourses in CS-105-B-1 under Content/Lab 7 Museum Gift Shop.