

GiftHorse, LLC: Database Test Plan

Overview

GiftHorse, LLC is a privately owned company that assembles and ships gift baskets. Typically, the baskets are ordered by a customer and shipped to a location other than the customer's.

The purpose of this database is to provide data for a web-driven computer system that will allow the stakeholders better, faster, and more secure methods of storing and retrieving business data in order to support the company's growth rate. The web-driven system will provide an online presence for GiftHorse, LLC, including an online product catalog and online customer order-tracking.

Four major tasks/areas have been identified by the user as those things most important to their business. This test plan will concentrate on providing evidence to the user that this database design will satisfy any data requirements for those four tasks.

- 1) Produce a catalog of products similar to the sample catalog, which is currently generated with word processing software.
- 2) Track the items that make up each product (basket), almost like a recipe.
- 3) Produce an order (invoice) in a format similar to the sample invoice format, currently generated in Excel.
- 4) Track the items that make up our products and the vendors (supplier companies) that supply those items.

Test Questions/Queries:

To test our database design, we will develop queries to prove that the data is available to satisfy each of the four major requirements.

(Note: each question will require one query to produce the data that can answer the question. The format of the data is not important, as long as you can prove that the data is there for a programmer to use to generate a

report or web page. In other words, you don't need to generate an invoice – just do a query to prove that you could access the data needed to generate that invoice.)

1. Display a Product Catalog.

- a. Columns required:
 - Product ID
 - Product name
 - Product description
 - Product price
- b. Sort by product ID

2. Produce a list of items that make up each product.

- a. Columns required:
 - Product ID
 - Product name
 - Item ID
 - Item description
 - Quantity of items in product
- b. Sort by product ID, then by item ID

3. Produce Order/Invoices

- a. Columns:
 - Order number and order date
 - Customer info
 - Ship-to info
 - Date shipped and shipper for each order
 - Detail lines for each basket on that order with:
 - Product ID and name
 - Quantity ordered
 - Price per basket
- b. Use only the sample invoice 100422 and your two invoices in your test query
- c. Sort by Order ID, then Product ID.

4. Track the items that make up our products and the companies (vendors) that supply those items.

- a. Columns:
 - Company name of the vendor that supplies the item
 - Vendor's City
 - Item ID

- Current Item price
- b. Sort by city, then supplier, then by item ID

Test Data Requirements:

1. Customers:
 - a. Include the three customers from the sample invoices
 - b. Add yourself as customer 0001
 - c. Include one more *additional* customer (make up the data)
 - This customer should have NOT placed an order yet
2. Orders (same as Invoices):
 - a. Include the 4 sample orders
 - b. Add two more orders that customer 0001 (that's you) placed on two different dates.
 - Order 100555 was placed today for 2 Fudge Overboard baskets. The order is paid for, but has not yet been shipped by UPS to 151 Rum River Road in Planter, WI.
 - Order 100500 was placed on 4/15/2012 for 1 Fudge Overboard basket and 2 Good Four You baskets. That order was paid for when ordered, and was shipped by UPS on 4/16/2012 to your friend at 1010 Milam St. in Houston, TX.
 - c. Be sure to match each Order to an existing customer
3. Products (same as Baskets):
 - a. Include a minimum of five products
 - Include all baskets on the sample orders
 - Include all baskets for the orders you added
4. Items:
 - a. A partial list of items is included in the sample data. You may need to "make up" some of the data you need.
 - b. Include the items that make up the baskets on the sample orders
 - c. Include the items that make up the baskets for the orders you added
 - d. Be sure to match each item with an existing vendor

5. Vendors:

a. At least 5 vendors

- A partial list of vendors is included in the sample data. You'll need to "make up" others if you need them.
- Include at least one vendor who provides multiple items
- Include at least one vendor who provides only ONE item