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Module 9.1

Group Name: Data Commanders

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Case Study Selected: Bacchus Winery

User Story:

Bacchus Winery Stan and Davis Bacchus inherited their winery from their father, George, three years ago upon his retirement. While they both appreciate all the hard work their father put into the business, they are anxious to incorporate new business methods to help them improve their products and customer service. When they started running the winery, the owners decided to keep all existing personnel in place, hoping to effect minimum change during the turnover. Presently they employ Janet Collins, who is in charge of all finances and payroll; Roz Murphy, who heads up the marketing department, she has one assistant, Bob Ulrich, working for her; Henry Doyle, who manages the production line, as well as 20 employees; and Maria Costanza, who is in charge of distribution. Bacchus Winery grows the grapes needed to make a Merlot, a Cabernet, a Chablis, and a Chardonnay. They have been receiving their supplies; bottles and corks from one supplier, labels and boxes from another, and vats and tubing from a third supplier, each of which ships the components every month or so. Stan and Davis are responsible for keeping track of the supply inventory and would like to find a more efficient method of keeping track and ordering supplies, perhaps over the internet. Maria, who is responsible for distribution, would like their distributors to be able to order online, and to be able to track shipments. Stan and Davis know the yearly ‘snapshot’ of the business is due in a few weeks, and need the information to determine the state of the inventory, the distribution and the employees. They need information on… - Are all suppliers delivering on time? Is there a large gap between expected delivery and actual delivery? A month by month report should show problem areas. - The wine distribution, are all wines selling as they thought? Is one wine not selling? Which distributor carries which wine? - Employee time. During the last four quarters, how many hours did each employee work?

Business Rules Mockup

please let me know what suggestions you may have for below. Feel free to edit, add or leave comments to enhance this portion of the project:

1. Currently the business has four types of wine: Merlot, Cabernet, Chablis, and Chardonnay.
2. The winery is self-sufficient as they grow their own grapes.
3. The winery employs the following personnel:
   * Janet Collins: In charge of finances and payroll.
   * Roz Murphy: Head of the marketing department.
   * Bob Ulrich: Assistant to Roz Murphy.
   * Henry Doyle: Manager of the production line, along with 20 employees.
   * Maria Costanza: In charge of distribution.
4. The winery receives supplies from three different suppliers:
   * Supplier 1: Provides bottles and corks.
   * Supplier 2: Provides labels and boxes.
   * Supplier 3: Provides vats and tubing.
5. Each supplier delivers the components every month.
6. Stan and Davis Bacchus are responsible for inventory management and want to explore more efficient methods of tracking and ordering supplies, potentially over the internet.
7. Maria Costanza wants distributors to be able to order online and track shipments.
8. The winery wants to track the timeliness of supplier deliveries and identify any gaps between expected and actual delivery dates on a month-by-month basis.
9. The winery wants to monitor wine distribution, including sales performance, and determine if any wine is not selling as expected. Find the connection between distributors and the wines they carry should be established.
10. The winery wants to track employee working hours for the last four quarters.

ERD mockup

Let me know what suggestion you have based on the business rules above before we fully implement the ERD snippet below.

A screenshot of a computer

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