Group 3

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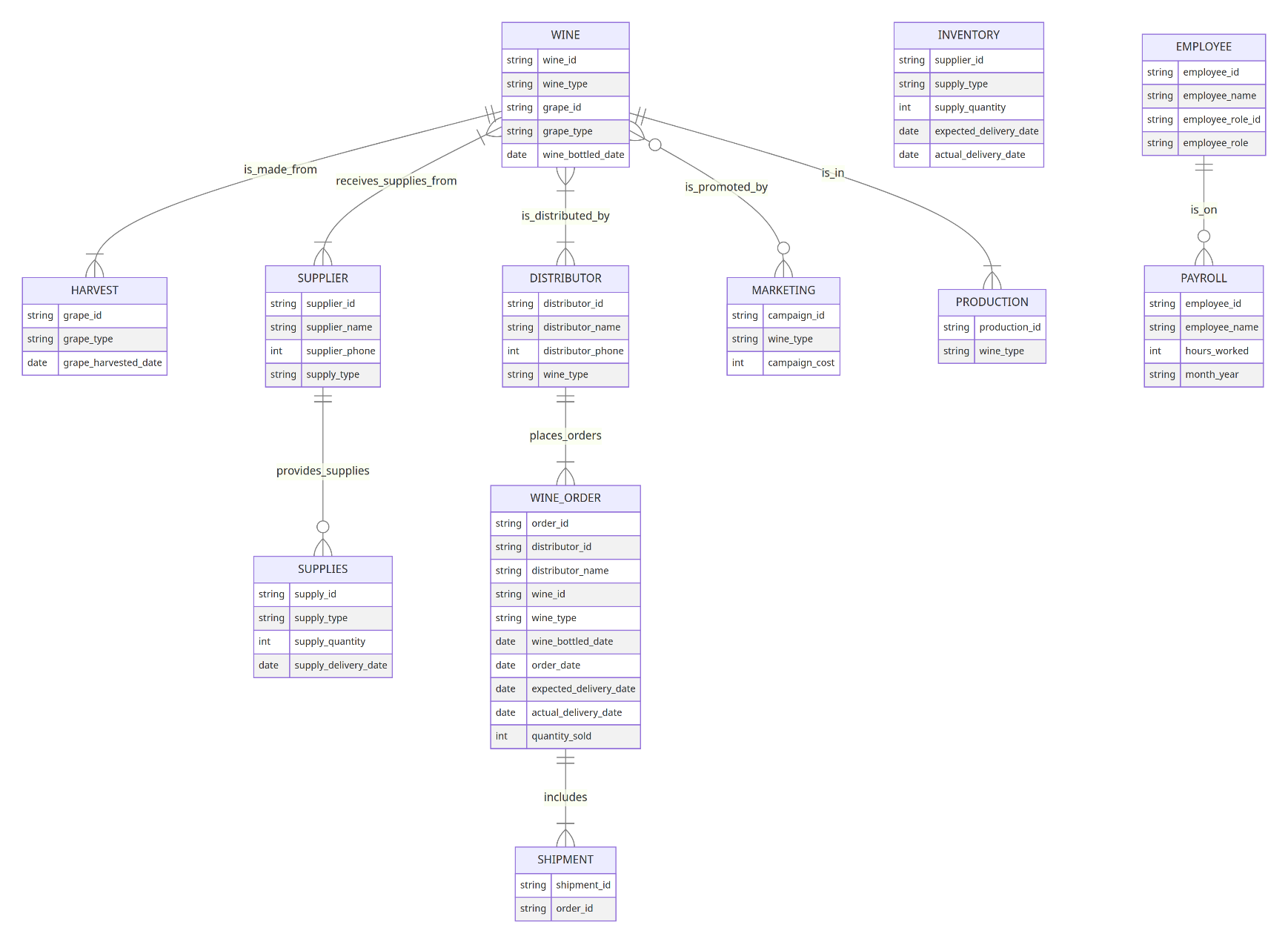
Jacob Hayes

Module 9.1 Milestone #1

9 July 2023

**Bacchus Winery**

1. **Overview:**
   * Each wine product (Merlot, Cabernet, Chablis, Chardonnay) is made from a specific type of grape grown by the winery.
   * The winery receives supplies from three distinct suppliers: one for bottles and corks, one for labels and boxes, and one for vats and tubing.
   * Stan and Davis are responsible for inventory management and ordering supplies.
   * Maria is responsible for distribution, and distributors should be able to order online and track shipments.
   * Janet is responsible for all finances and payroll.
   * Roz, with the help of Bob, manages the marketing department.
   * Henry manages the production line and oversees 20 employees.
   * The winery needs to prepare a yearly 'snapshot' of the business, which includes information on supplier delivery times, wine distribution, and employee working hours.
2. **Business Rules:**
   * An Employee is on one or many Payroll reports.
   * A Supplier may have one or many Supplies deliveries.
   * One or many Distributors may carry one or many Wines.
   * One type of Wine may be made by one or many Harvests.
   * One or many types of Wine may be supplied by one or many Suppliers.
   * One Distributor can place one or many Wine\_Orders.
   * One Wine\_Order includes one or many Shipments.
   * One Wine may have zero, one, or many active Marketing campaigns.
3. **Assumptions:**
   * Each supplier provides a unique set of supplies, and there is no overlap in the types of supplies provided.
   * The winery operates on a monthly supply cycle.
   * The winery has a system in place to track employee hours.
   * All wines are distributed through the same distribution channels.
   * The winery has a system in place to track wine sales and distribution.
   * The winery operates year-round.
   * The winery has the necessary infrastructure to support online ordering and tracking.



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