GROUP BETA

|  |  |
| --- | --- |
| Team Members | |
| Darlene Batts  [Milestone-Github](https://github.com/dbatts777/Milestone.git) | Lidia Goris  [Purplejava (github.com)](https://github.com/Purplejava) |
| Michele Brand [GitHub](https://github.com/Mbrand95) | Aubrey Reed  [Github](https://github.com/StrwBerwii) |

CASE STUDY - BACCHUS WINERY

**BUSINESS RULES**

1. Products can be purchased from one supplier.
2. Supplier can provide many products.
3. Distributors can order many products.
4. Products can be distributed by many distributors
5. An employee has one payroll.
6. Employees purchase from one supplier.

Security - who can have access to the databases?

Owners full access. Authorized individuals for certain databases depending on their titles

Compliance by employees - Punctuality and attendance of the employees

Business Hours – Monday – Friday for orders and online orders

Purchases and Deliveries - Shipping date and delivery date to distributors

Amount of company supplies that would need to be ordered monthly

Customer - Preferred status receives a discount. Online ordering access.

**ERD**

Diagram

Description automatically generated

**Databases & Tables**

**EMPLOYEES Database**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Owners | Employee Name | Title |  | EmployeeID |
|  | Stan Bacchus | Owner |  | 1111 |
|  | Davis Bacchus | Owner |  | 1112 |
|  |  |  |  |  |
| Management | Employee Name | Title |  |  |
|  | Janet Collins | Finance Payroll Manager |  | 1113 |
|  | Roz Murphy | Marketing Department |  | 1114 |
|  | Henry Doyle | Production line |  | 1115 |
|  | Maria Costanza | Distribution |  | 1116 |
|  |  |  |  |  |
|  |  |  |  |  |
| Support Staff | Name | Title | Manager |  |
|  | Robert (Bob) Murphy | Marketing Assistant | Roz Murphy | 1117 |
|  |  |  |  |  |
| Production Crew | Employee Name | Title | Manager |  |
|  | Abe | Line | Henry Doyle | 1118 |
|  | Barbara | Packing | Henry Doyle | 1119 |
|  | Carlos | Driver | Henry Doyle | 1120 |
|  | Dale | Line | Henry Doyle | 1121 |
|  | Edwin | Packing | Henry Doyle | 1122 |
|  | Frank | Line | Henry Doyle | 1123 |
|  | George | Packing | Henry Doyle | 1124 |
|  | Hugo | Packing | Henry Doyle | 1125 |
|  | Ivan | Line | Henry Doyle | 1126 |
|  | Janet | Packing | Henry Doyle | 1127 |
|  | Kelly | Driver | Henry Doyle | 1128 |
|  | Larry | Packing | Henry Doyle | 1129 |
|  | Milton | Driver | Henry Doyle | 1130 |
|  | Nelson | Line | Henry Doyle | 1131 |
|  | Oscar | Packing | Henry Doyle | 1132 |
|  | Penny | Line | Henry Doyle | 1133 |
|  | Quincy | Line | Henry Doyle | 1134 |
|  | Roger | Packing | Henry Doyle | 1135 |
|  | Steven | Line | Henry Doyle | 1136 |
|  | Thomas | Packing | Henry Doyle | 1137 |

SERVICES Database

|  |  |  |
| --- | --- | --- |
| PRODUCTS | WINE NAME | ProductID |
|  | Merlot | Wine1 |
|  | Cabernet | Wine2 |
|  | Chardonnay | Wine3 |
|  | Chablis | Wine4 |

|  |  |  |
| --- | --- | --- |
| DISTRIBUTION | Distributor | DistributorID |
|  | RJ Distributors | Distributor1 |
|  | Over21 Wine Dis. | Distributor2 |
|  | Wine Fairies, Inc. | Distributor3 |

|  |  |  |  |
| --- | --- | --- | --- |
| SUPPLIES | Supply | Supplier | SupplyID |
|  | Bottles | Pretty Bottles | Supply1 |
|  | Corks | Pretty Bottles | Supply2 |
|  | Labels | PrintRUs | Supply3 |
|  | Boxes | PrintRUs | Supply4 |
|  | Vats | Just Tubes | Supply5 |
|  | Tubing | Just Tubes | Supply6 |

**INFORMATION NEEDED TO MAKE BUSINESS DECISIONS**

Information that would need to be retrieved from the database:

These would be the items that need to be addressed:

1. Stan and Davis need to
   1. Keep track of supply inventory
   2. Keep track of ordering supplies,
   3. Keep track of orders over the internet.
2. Maria in distribution needs to
   1. Distributors place orders online.
   2. Track Shipments

Additional Business information needed:

1. Delivery Dates
   1. Expected Date vs. Actual Date of Delivery
   2. Monthly report problem areas for delivery
2. Wine sales
   1. Comparison sales of all 3 wines
   2. Distributor list of wine they carry.
3. Employee Hours Worked
   1. Fulltime
   2. Parttime
   3. Holiday
   4. Sick
   5. Vacation