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CIS535-T301: Week 10 Case Study Project

May 18, 2024

1. **List the names of the customers who provided bids last month.**

SELECT DISTINCT c.FirstName, c.LastName

FROM BOBCUSTOMER c

JOIN BOBBID b ON c.BobCustomerID = b.BobCustomerID

WHERE MONTH(b.Date) = MONTH(DATEADD(MONTH, -1, GETDATE()))

AND YEAR(b.Date) = YEAR(DATEADD(MONTH, -1, GETDATE()));

1. **List all the customers that have an outstanding balance (amount due to Bob) that is** greater than $500.

SELECT c.FirstName, c.LastName

FROM BOBCUSTOMER c

JOIN BOBBID b ON c.BobCustomerID = b.BobCustomerID

LEFT JOIN BOBCUSTOMER\_PAYMENT p ON c.BobCustomerID = p.BobCustomerID

GROUP BY c.FirstName, c.LastName, c.BobCustomerID

HAVING SUM(b.TotalEstimate) - ISNULL(SUM(p.Amount), 0) > 500;

1. **List all the suppliers where Bob has an outstanding balance that is greater than $1,000.**

SELECT s.Name

FROM BOBSUPPLIER s

LEFT JOIN BOBPAYMENT\_TO\_SUPPLIER p ON s.SupplierID = p.SupplierID

GROUP BY s.Name, s.SupplierID

HAVING SUM(p.Amount) < 1000;

1. **List all the material that was used for bids where the estimated hours for the bid was** greater than 40 hours.

SELECT DISTINCT m.Type

FROM BOBMATERIAL m

JOIN BOBREPAIR r ON m.RepairID = r.RepairID

WHERE r.LaborHours > 40;

1. **List all the material that Bob purchased from a specific supplier (Note: you can decide on** **the supplier but there should only be one supplier).**

SELECT m.Type

FROM BOBMATERIAL m

WHERE m.SupplierID = 301;

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