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CIS 535

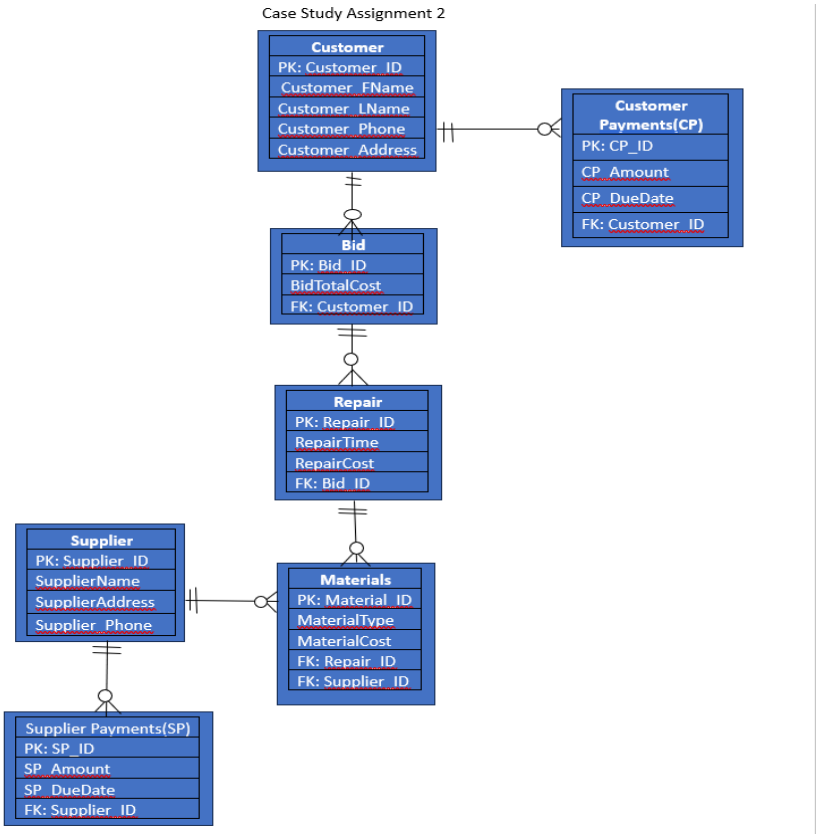
11/23/2025

Case Study Final Submission

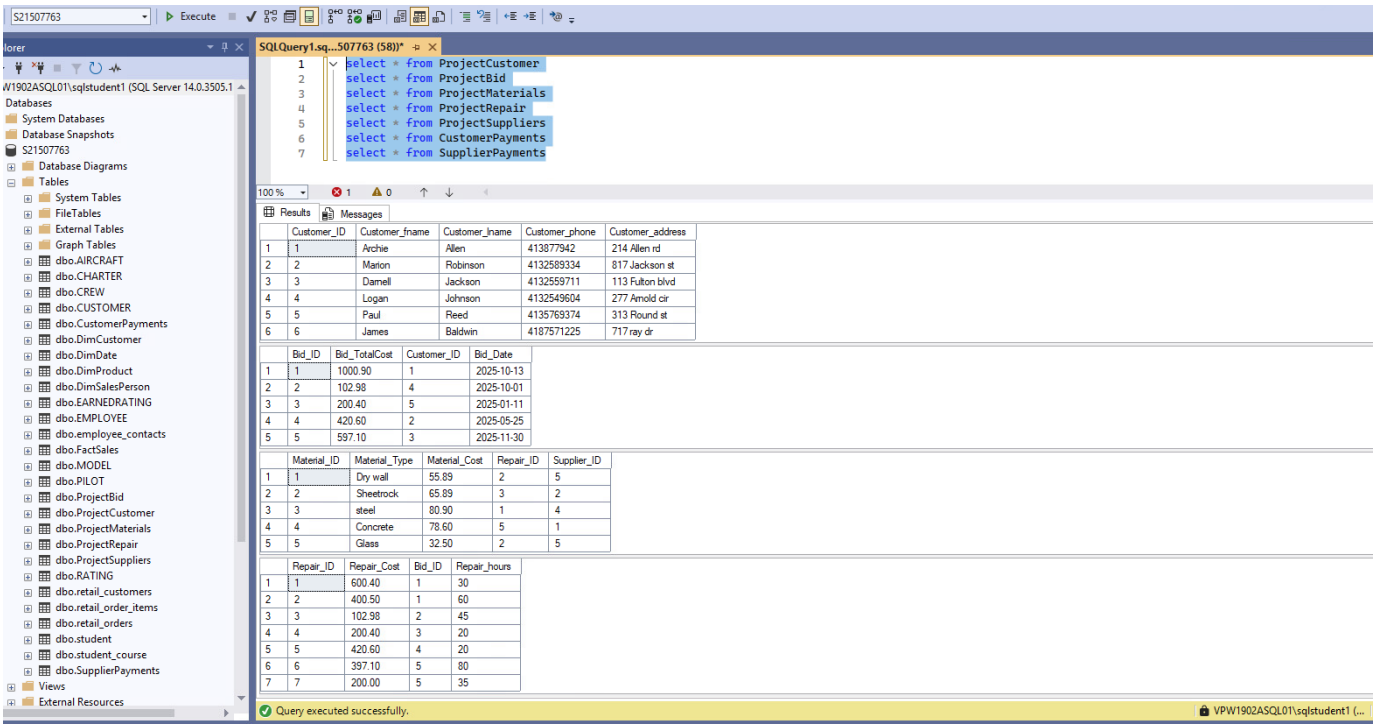
Hello Bob,

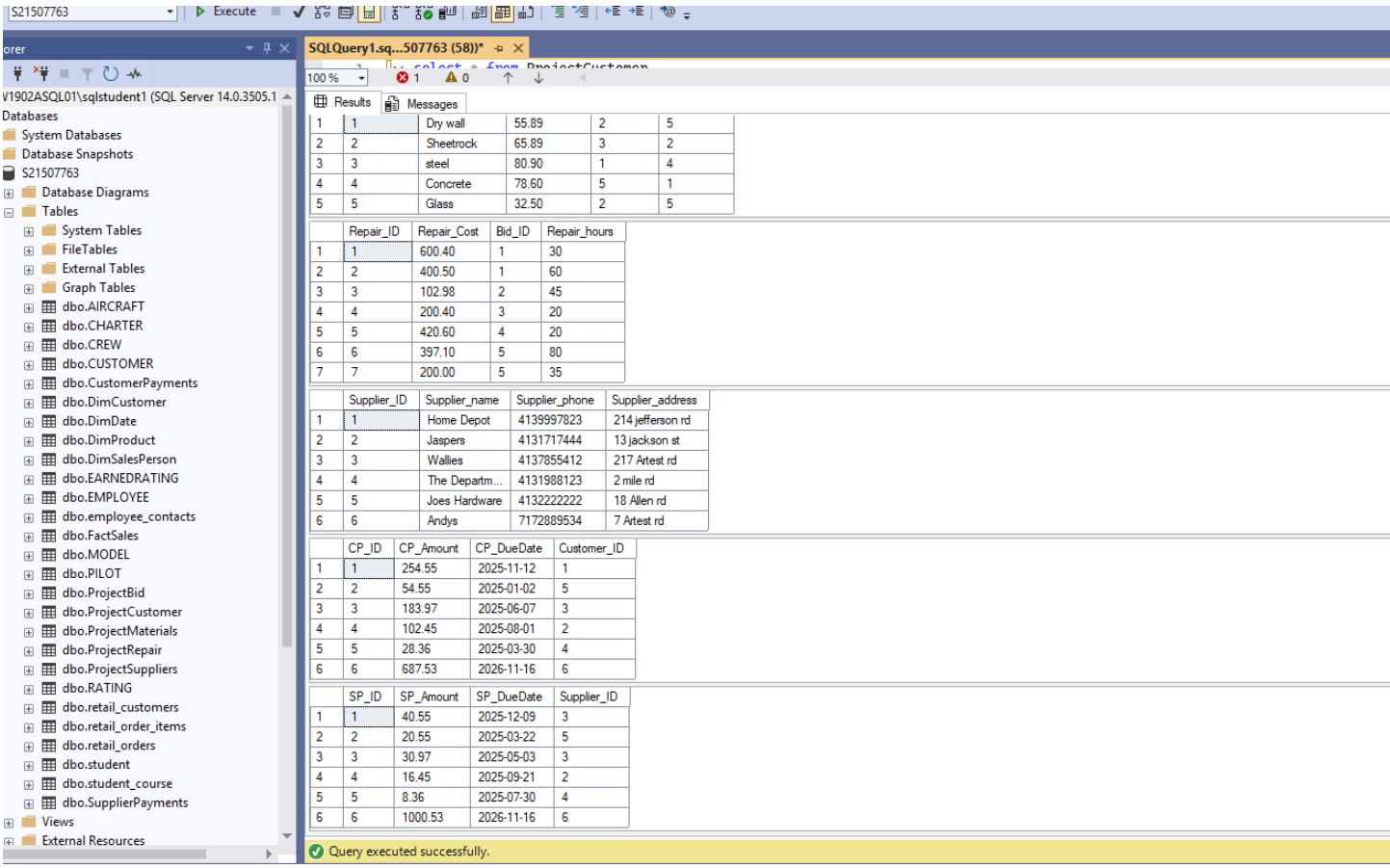
I have created a final report of the database I have created for your business. This should allow things for your business to be more organized and easier to keep track of. There are 7 different tables that have been created for your business, with primary and foreign keys to help connect the tables when you need information from multiple tables. In this report I will provide visual representation of what data each table consists of and some examples of how the different tables can be connected to display different information. The first visual you will see is an ERD that shows how the tables relate to each other. The next Visual will be of the tables created in the database. Finally, the last visual will be examples how the tables can be joined to display different information.

ERD Visual:

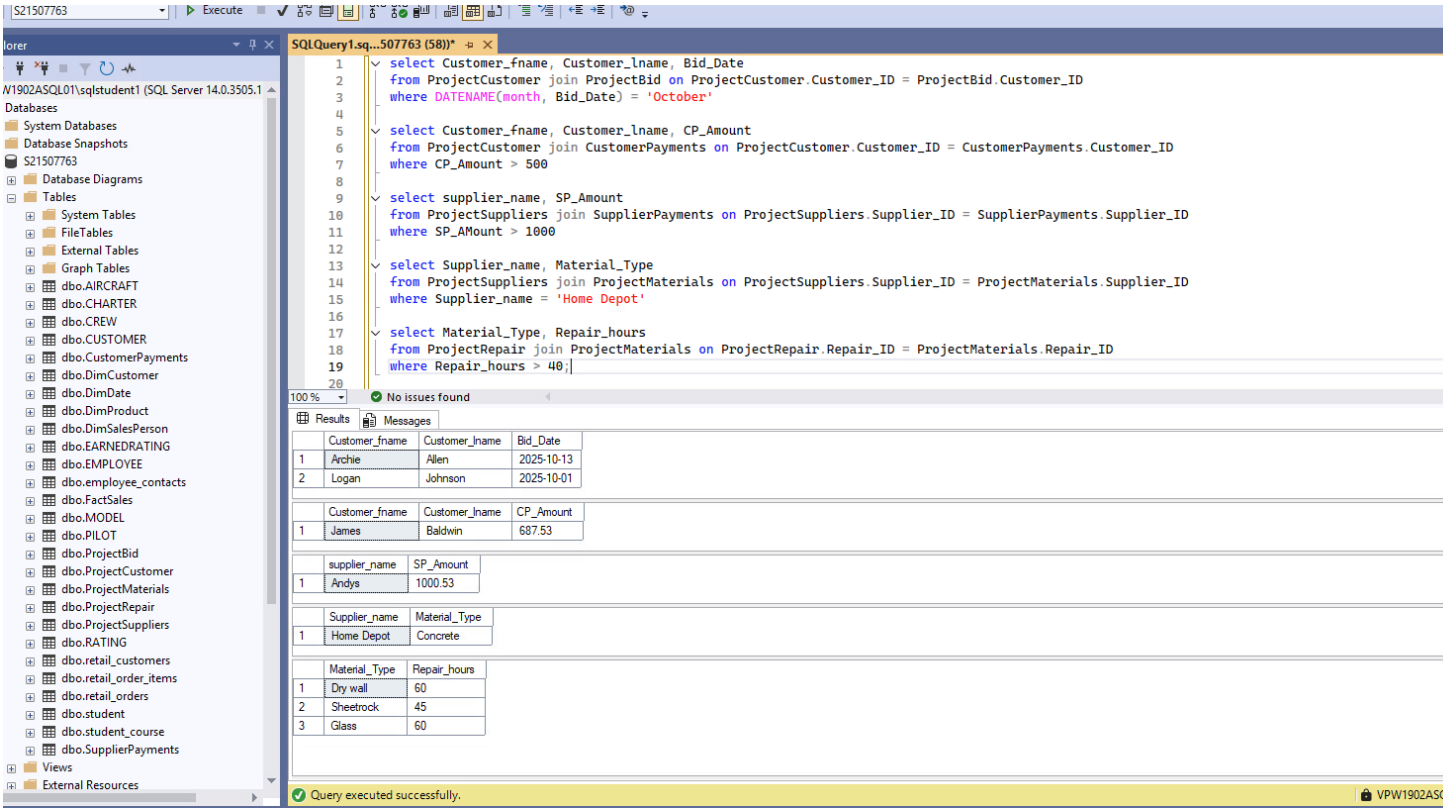


Populated tables:





SQL Queries:


S21507763
Execute
SQLQuery1.sq...507763 (58))*
select Customer_fname, Customer_lname, Bid_Date
from ProjectCustomer join ProjectBid on ProjectCustomer.Customer_ID = ProjectBid.Customer_ID
where DATENAME(month, Bid_Date) = 'October'
select Customer_fname, Customer_lname, CP_Amount
from ProjectCustomer join CustomerPayments on ProjectCustomer.Customer_ID = CustomerPayments.Customer_ID
where CP_Amount > 500
select supplier_name, SP_Amount
from ProjectSuppliers join SupplierPayments on ProjectSuppliers.Supplier_ID = SupplierPayments.Supplier_ID
where SP_AMount > 1000
select Supplier_name, Material_Type
from ProjectSuppliers join ProjectMaterials on ProjectSuppliers.Supplier_ID = ProjectMaterials.Supplier_ID
where Supplier_name = 'Home Depot'
select Material_Type, Repair_hours
from ProjectRepair join ProjectMaterials on ProjectRepair.Repair_ID = ProjectMaterials.Repair_ID
where Repair_hours > 40;
No issues found
Results
Messages
Customer_fname Customer_lname Bid_Date
1 Archie Allen 2025-10-13
2 Logan Johnson 2025-10-01
Customer_fname Customer_lname CP_Amount
1 James Baldwin 687.53
supplier_name SP_Amount
1 Andys 1000.53
Supplier_name Material_Type
1 Home Depot Concrete
Material_Type Repair_hours
1 Dry wall 60
2 Sheetrock 45
3 Glass 60
Query executed successfully.
Databases
System Databases
Database Snapshots
S21507763
Database Diagrams
Tables
System Tables
FileTables
External Tables
Graph Tables
dbo.AIRCRAFT
dbo.CHARTER
dbo.CREW
dbo.CUSTOMER
dbo.CustomerPayments
dbo.DimCustomer
dbo.DimDate
dbo.DimProduct
dbo.DimSalesPerson
dbo.EARNEDRATING
dbo.EMPLOYEE
dbo.employee_contacts
dbo.FactSales
dbo.MODEL
dbo.PILOT
dbo.ProjectBid
dbo.ProjectCustomer
dbo.ProjectMaterials
dbo.ProjectRepair
dbo.ProjectSuppliers
dbo.RATING
dbo.retail_customers
dbo.retail_order_items
dbo.retail_orders
dbo.student
dbo.student_course
dbo.SupplierPayments
Views
External Resources