Brandon Molyneaux

Activity 5 COMP 3700

Entity-relationship Diagram:

A screenshot of a cell phone

Description automatically generated**Project (ProjectNumber, ProjectName, Cost, ProjectLeaderID)**

CREATE TABLE Project (

ProjectNumber int not null primary key,

ProjectName varchar(100),

Cost float,

ProjectLeaderID int

);

INSERT INTO Project (ProjectNumber, ProjectName, Cost, ProjectLeaderID)

VALUES (15, “EVERGREEN”, 10549.70, 105), (18, “Amber Wave”, 7171.47, 104), (22, “Rolling Tide”, 13660.10, 113), (25, “Starflight”, 17559.82, 101);

**Employee (EmployeeNumber, EmployeeName, JobClass)**

CREATE TABLE Employee (

EmployeeNumber int not null primary key,

EmployeeName varchar(100),

JobClass varchar(100),

);

INSERT INTO Employee (EmployeeNumber, EmployeeName, JobClass)

VALUES (103, “June E. Arbough”, “Elec. Engineer”), (101, “John G. News”, “Database Designer”), (105, “Alice K. Johnson”, “Database Designer”), (106, “William Smithfield”, “Programmer”), (102, “David H. Senior”, “Systems Analyst”), (114, “Annelise Jones”, “Applications Designer”), (118, “James J. Frommer”, “General Support”), (104, “Anne K. Ramoras”, “Systems Analyst”),

(112, “Darlene M. Smithson”, “DSS Analyst”), (113, “Delbert K. Joenbrood”, “Applications Designer”), (111, “Geoff B. Walsh”, “Clerical Support”), (106, “William Smithfield”, “Programmer”), (107, “Maria D. Alonzo”, “Programmer”), (115, “Travis B. Bawangi”, “Systems Analyst”), (108, “Ralph B. Washington”, “Systems Analyst”);

**JobClass (JobclassID, Name, ChargePerHour)**

CREATE TABLE JobClass (

JobclassID int not null primary key,

Name varchar(100),

ChargePerHour float

);

INSERT INTO JobClass (JobclassID, Name, ChargePerHour)

VALUES (1, “Elec. Engineer”, 84.50), (2, “Database Designer”, 105.00), (3, “Programmer”, 35.75), (4, “Systems Analyst”, 96.75), (5, “Applications Designer”, 48.10), (6, “General Support”, 18.36), (7, “DSS Analyst”, 45.95), (8, “Clerical Support”, 26.87);

**Assignment (ProjectNumber, EmployeeNumber, HoursBilled, TotalCharge)**

CREATE TABLE Assignment (

ProjectNumber int not null primary key,

EmployeeNumber int,

HoursBilled float,

TotalCharge float

);

INSERT INTO JobClass (ProjectNumber, EmployeeNumber, HoursBilled, TotalCharge)

VALUES (15, 103, 23.8, 2011.00), (15, 101, 19.4, 2037.00), (15, 105, 35.7, 3748.50), (15, 106, 12.6, 450.45), (15, 102, 23.8, 2302.65), (18, 114, 24.6, 1183.26), (18, 118, 45.3, 831.71), (18, 104, 32.4, 3135.70), (18, 112, 44.0, 2021.80), (22, 105, 64.7, 6793.50), (22, 104, 48.4, 4682.70), (22, 113, 23.6, 1135.16), (22, 111, 22.0, 591.14), (22, 106, 12.8, 457.60), (15, 107, 24.6, 879.45), (15, 115, 56.3, 5911.50), (15, 101, 33.1, 5911.50) , (15, 114, 23.6, 1592.11) , (15, 108, 30.5, 2283.30) , (15, 118, 20.5, 559.98) , (15, 112, 41.4, 1902.33);