**CIS210 – Group Project Lab Two Worksheet**

**Entity Relationship Diagram (ERD)**

**Use this template to complete Group Project Lab Two, where you will initially place your thoughts and ideas on the design of the database into a list of table and field names and then put those items, as applicable, in the provided boxes.**

**Entities (Tables):**

**Lenders**

**Clients**

**Properties**

**Agents**

**Contractors**

**Employees**

**OrderLine**

**WorkOrders**

**Attributes (Columns):**

**Index ID**

**FName**

**LName**

**Street**

**City**

**State**

**Zip**

**AssistanceName**

**AreaCode**

**PhoneNumber**

**DueDate**

**Date**

**Description**

**TaskType**

**CIS210/Database Management and SQL**

*Properties (10)*

PropID (PK)

ClientID (FK) InvestorID (FK)

EmployeeID (FK) PropNickName

PropStreet

PropCity

PropState

PropZip

Lead (MLS, Wholesale, Marketing)

Class (Low, Mid, High)

*WorkOrders (5)*

OrderID (PK)

InvestorID (FK) OrderDate

EstCompDate

WorkCompDate

InvPaidDate

Description

QuotedPrice

**Group Project Initial ERD, Lab Two**

*Employees (9)*

EmployeeID (PK)

InvestorID (FK)

FLame

LName

**Group Project Lab Two Entity Relationship Diagram**

*Contractors (4)*

ConID (PK)

ConName

ConStreet

ConCity

ConState

ConZip

ConAreaCode

ConPhoneNumber

ConSpecialty

ConLicense#

ContInsurance#

ContractorDOB

*OrderLine (6)*

OrderID (FK) ConID (FK)

Description

Qty

Price

*Lenders (1)*

LenderID (PK)

LenderOrganization

LenderName

LenderStreet

LenderCity

LenderState

LenderZip

LenderAreaCode

LenderPhoneNumber

LenderAsstName

*Clients (8)*

ClientID (PK)

AgentID (FK)

ClientName

ClientStreet

ClientCity

ClientState

ClientZip

ClientAreaCode

PhoneNumber

ClientType (Buy/Hold)

*Investor (2)*

InvestorID (PK)

LenderName

ClientName

AgentName

ConName

EmpName

EmpStreet

EmpCity

EmpState

EmpZip

EmpAreaCode

EmpPhoneNumber

*Loans (3)*

LoanNum (PK)

LoanRep

LenderID (FK)

InvestorID (FK)

Loan#

LoanAppDate

LoanAmount

LoanType

LoanClosingDate

LoanTerm

LoanRate

LoanAmount

Loan Impounds

*Agents (7)*

AgentID (PK)

AgentType

AgentName

AgentStreet

AgentCity

AgentState

AgentZip

AgentAreaCode

AgentPhoneNumber

CREATE TABLE Lenders

(LenderID TEXT (15) NOT NULL PRIMARY KEY,

LenderOrganization TEXT (25) NOT NULL,

LenderName TEXT (25) NOT NULL,

LenderStreet TEXT (35),

LenderCity TEXT (20),

LenderState TEXT (2),

LenderZip TEXT (10),

LenderAreaCode TEXT (5),

LenderPhoneNumber TEXT (8),

LenderAsstName TEXT (25) );

INSERT INTO Lenders VALUES

(‘123456’,’Synergy Mtg.’,’Ken’s Agency’,’1234 Appaloosa Street’,’Montrose’,’CO’,’85431’,’(514)’,’234-5678’,’John Doe’);

INSERT INTO Lenders VALUES

(‘123456’,’Synergy Mtg.’,’Ken’s Agency’,’1234 Appaloosa Street’,’Montrose’,’CO’,’85431’,’(514)’,’234-5678’,’John Doe’);

INSERT INTO Lenders VALUES

(‘123456’,’Synergy Mtg.’,’Ken’s Agency’,’1234 Appaloosa Street’,’Montrose’,’CO’,’85431’,’(514)’,’234-5678’,’John Doe’);

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