**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):**

**Clients**

**Investors**

**Lenders**

**Loans**

**Employees**

**Properties**

**Agents**

**Contractors**

**WorkOrders**

**OrderLine**

**Attributes (Columns):**

**Index ID**

**Name**

**Street**

**City**

**State**

**Zip**

**AssistanceName**

**AreaCode**

**PhoneNumber**

**DueDate**

**Date**

**Description**

**TaskType**

**CIS210/Database Management and SQL**

**Group Project Initial ERD, Lab Two**

*Entity*

Attribute

**Group Project Lab Two Entity Relationship Diagram**

*Contractors (4)*

ContractorID (PK)

ContractorName

ContractorAreaCode

ContractorPhoneNumber

ContractorStreet

ContractorCity

ContractorState

ContractorZip ContractorType

ContractorLicense#

ContractortInsurance#

*Lenders (1)*

LenderID (PK)

LenderAssitantName LenderAreaCode

LenderPhoneNumber

LenderStreet

LenderCity

LenderState

LenderZip LenderType

*WorkOrders (5)*

OrderID (PK)

EmployeeID (FK) ContractorID (FK)

Description

Qty

ManHrs

QuotedPrice

PayDate

*Employees (2)*

EmployeeID (PK)

EmployeeName EmployeeAreaCode

EmployeePhoneNumber

EmployeeStreet

EmployeeCity

EmployeeState

EmployeeZip

*Clients (7)*

ClientID (PK)

AgentID (FK)

ClientName ClientType

ClientAreaCode

ClientPhoneNumber

ClientStreet

ClientCity

ClientState

ClientZip

ClientDOB

*Properties (8)*

PropertyID (PK)

ClientID (FK)

EmployeeID (FK) PropertyName

PropertyStreet

PropertyCity

PropertyState

PropertyZip

PropertyType

PropertyLead

PropertyClass

*Loans (3)*

LoanNum (PK)

LenderID (FK)

EmployeeID (FK)

LoanRepName

LoanType

LoanRate LoanTerm LoanAmount

LoanAppOpenDate

LoanAppCloseDate

*Agents (6)*

AgentID (PK)

AgentName AgentAreaCode

AgentPhoneNumber

AgentStreet

AgentCity

AgentState

AgentZip AgentType

CREATE TABLE Lenders

(LenderID TEXT (15) NOT NULL PRIMARY KEY,

LenderOrganization TEXT (25) NOT NULL,

LenderAssitantName TEXT (25) NOT NULL,

LenderStreet TEXT (35),

LenderCity TEXT (20),

LenderState TEXT (2),

LenderZip TEXT (10),

LenderAreaCode TEXT (5) NOT NULL,

LenderPhoneNumber TEXT (8) NOT NULL);

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’);

INSERT INTO Lenders VALUES

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