**ERD**

Diagram

Description automatically generated

**St Pete Reintegrate Logical Design**

Client(ClientID, ClientLName, ClientFName, ClientStreetN, ClientStreet, ClientCity, ClientState, ClientZIP, ClientGender, ClientAge, ClientDateEntered, *MentorID*)

CounselingServices(CSID, CSLName, CSFName, CSAreaOfFocus)

CriminalRecords(CRID, CRTypeCrime, CRDateCrimeCommitted, CRDateSentenced, CRSentenceLength, *ClientID*)

Courses(CourseID, CourseTitle, CourseDuration)

JobOpenings(JOID, JOTitle, JOCompanyName, JOHourWage)

AttendingCourse(AttendNum, CourseDateCompleted, CourseGrade, CourseBS, *CliendID, CourseID*)

ApplicationJob(ApplyNum, ApplyDate, ApplyFollowUp, *ClientID, JOID*)

TakingCourse(TCNum, HoursUsed, *CSID, ClientID*)

**St Pete Reintegrate Physical Design**

CREATE TABLE Client(ClientID CHAR(5) PRIMARY KEY,

ClientLName VARCHAR(40) NOT NULL,

ClientFName VARCHAR(40) NOT NULL,

ClientStreetN VARCHAR(6) NOT NULL,

ClientStreet VARCHAR(40) NOT NULL,

ClientCity VARCHAR(40) NOT NULL,

ClientState CHAR(2) NOT NULL,

ClientZIP INT NOT NULL,

ClientGender CHAR(1) NOT NULL,

ClientAge INT NOT NULL,

ClientDateEntered DATE NOT NULL,

MentorID CHAR(5),

FOREIGN KEY (MentorID) REFERENCES Client(ClientID))

CREATE TABLE CounselingServices(CSID CHAR(5) PRIMARY KEY,

CSLName VARCHAR(40) NOT NULL,

CSFName VARCHAR(40) NOT NULL,

CSAreaOfFocus VARCHAR(40))

CREATE TABLE CriminalRecords(CRID CHAR(5) PRIMARY KEY,

CRTypeCrime VARCHAR(40) NOT NULL,

CRDateCrimeCommitted DATE NOT NULL,

CRDateSentenced DATE NOT NULL,

CRSentenceLength TIME NOT NULL,

ClientID CHAR(5),

FOREIGN KEY (ClientID) REFERENCES Client(ClientID)

ON DELETE CASCADE)

CREATE TABLE Courses(CourseID CHAR(5) PRIMARY KEY,

CourseTitle VARCHAR(40) NOT NULL,

CourseDuration TIME NOT NULL)

CREATE TABLE JobOpenings(JOID CHAR(5) PRIMARY KEY,

JOTitle VARCHAR(40),

JOCompanyName VARCHAR(40),

JOHourWage FLOAT)

CREATE TABLE AttendingCourse(AttendNum CHAR(5) PRIMARY KEY,

CourseDateCompleted DATE,

CourseGrade FLOAT,

CourseBS FLOAT,

ClientID CHAR(5),

CourseID CHAR(5),

FOREIGN KEY (ClientID) REFERENCES Client(ClientID)

ON DELETE CASCADE,

FOREIGN KEY (CourseID) REFERENCES Courses(CourseID)

ON DELETE CASCADE)

CREATE TABLE ApplicationJob(ApplyNum CHAR(5) PRIMARY KEY,

ApplyDate DATE NOT NULL,

ApplyFollowUp VARCHAR(120) NOT NULL,

ClientID CHAR(5),

JOID CHAR(5),

FOREIGN KEY (ClientID) REFERENCES Client(ClientID)

ON DELETE CASCADE,

FOREIGN KEY (JOID) REFERENCES JobOpenings(JOID)

ON DELETE CASCADE)

CREATE TABLE TakingCourse(TCNum CHAR(5) PRIMARY KEY,

HoursUsed TIME,

CSID CHAR(5),

ClientID CHAR(5),

FOREIGN KEY (CSID) REFERENCES CounselingServices(CSID)

ON DELETE CASCADE,

FOREIGN KEY (ClientID) REFERENCES Client(ClientID)

ON DELETE CASCADE)

ClientID,ClientName,ClientStreet,ClientCity,ClientState,ClientZIP,ClientGender,ClientAge

100,Zorita Ramirez,Ap #259-288 Phasellus Avenue,Lakewood,NV,84097,M,0

101,Scarlett Alexander,Ap #179-6827 Nulla Rd.,Erie,CO,35264,F,8

102,Karina Lopez,801-4152 Eget Av.,Wichita,KS,49351,F,2

103,Ciaran Campbell,303-3852 Bibendum Rd.,Boise,AR,99629,F,9

104,Cullen Perry,593-7673 Massa Av.,Stamford,WY,68950,M,6