**Assignment #2**

**Business Database Design**

1. **Defining relations using the parenthetical method, and stating our assumptions. Primary keys are underlined, foreign keys are italicized.**

STUDENT ( Cwid, FName, LName, StudentEmail )

    Assumptions

* CWID is unique per student

STUDENTS\_ASSOC ( *Cwid, TeamID )*

* TeamID is unique per team

COACH ( CoachId, FName, LName, Email, Phone )

* CoachID is unique per team

GAMES\_ASSOC ( *TeamId, GamesId )*

TEAMS ( TeamId, TeamName, *SportId, CoachId* )

* Teams can only have one coach
* Coaches can volunteer to coach more than one team

COORDINATOR ( CoordinatorId, FName, LName, Email, *SportId* )

* Coordinators are restricted to one sport, but one sport can have more than one coordinator

GAME ( GameId, *RefId, LocationId,* Time, Date )

* Referee is chosen randomly by the user
* Primary key of Games Table determines RefID

SPORT ( SportId, SportName )

REFEREE ( RefId, FName, LName, RefEmail )

EQUIPMENT\_LOG ( *EquipmentId, Cwid,* DateBorrowed*,* DateReturned, Purpose, NoOfItemsBorrwed )

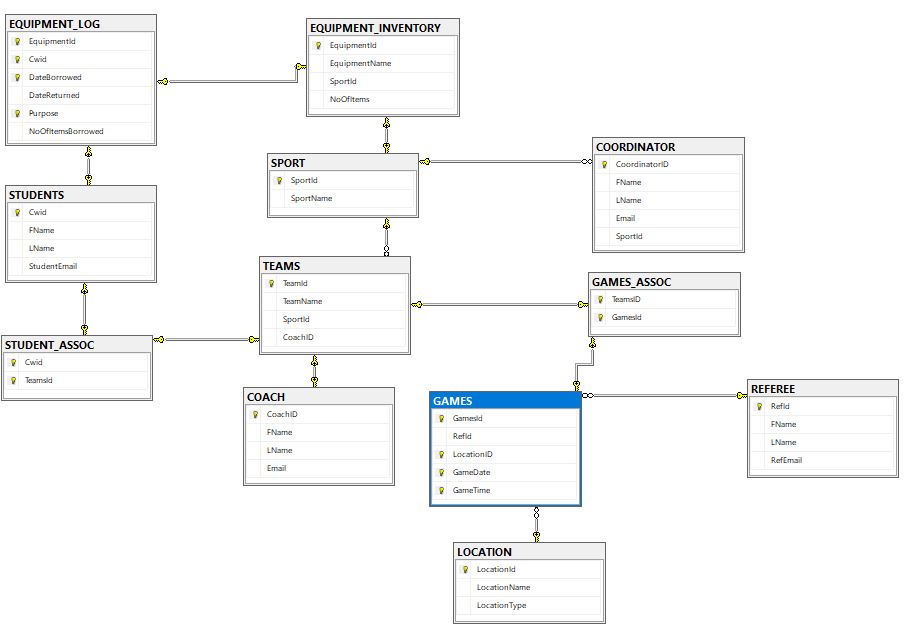
* Where EquipmentId is a foreign key linking the EQUIPMENT\_INVENTORY table, and Cwid is a foreign key linking the STUDENTS table.

EQUIPMENT\_INVENTORY (EquipmentId, EquipmentName, *SportID,* NoOfItems )

* Where SportId is a foreign key linking the SPORT table, and:

LOCATION ( LocationId, LocationName, LocationType)

1. **Database Diagram**

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1. **What approach was used as part of normalizing the database design and how were the comments/feedback integrated in the process for developing well-formed relations?**

Initially, the EQUIPMENT table had two themes which caused modification problems. For instance, consider that a student who has not returned some equipment leaves the intramural sports program. Deleting the student’s information from the EQUIPMENT table would have also deleted the data about the equipment that this student had not return. This would have led to inventory problems for the department.

Therefore, we followed up on Dr. Gonzalez’s comments and split the EQUIPMENT table into two, EQUIPMENT\_LOG to track how many of each item is checked out on a given day by a student and EQUIPMENT\_INVENTORY to track inventory at the end of each practice or game day.

Moreover, the relationships between HOME\_TEAMS, AWAY\_TEAMS, STUDENTS, and GAMES were hard to keep track of. It was not an ideal relationship to put the primary keys of both the team’s tables as foreign keys in the STUDENTS table.

Therefore, having one TEAMS table allows the users to modify the table all in one place and allows to create different association tables between STUDENTS and TEAMS, and TEAMS and GAMES.

Thus, we followed Dr. Gonzalez’s suggestion and merged HOME\_TEAMS and AWAY\_TEAMS into one TEAMS table. The STUDENT\_ASSOC table is designed so that each student can be part of more than one team. Assuming a student can be part of only one team per sport, a student being in multiple teams means that he/she plays multiple sports in a given term. This association table handles the idea of which students are part of which teams.

Additionally, the GAMES\_ASSOCIATION table is an association table with a composite primary key TeamsId linking the TEAMS table and GameId linking the GAMES table. This association table handles the idea of which teams are playing against each other in what game.

1. **Database matrices providing the fields, data types, field size, and description (if applicable). In addition, any constraints that need to be considered are noted in remarks.**

**STUDENTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| Cwid | Int | Primary Key | Yes |  |
| FName | Text (25) | No | Yes |  |
| LName | Text (30) | No | Yes |  |
| StudentEmail | Text (100) | No | Yes |  |

**COACH**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| CoachId | Int | Primary Key | Yes |  |
| FName | Text (25) | No | Yes |  |
| LName | Text (30) | No | Yes |  |
| Email | Text (100) | No | Yes |  |
| Phone | Text (12) | No | Yes |  |

**SPORT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| SportId | Int | Primary Key | Yes |  |
| SportName | Text (30) | No | Yes |  |

**COORDINATOR**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| CoordinatorId | Int | Primary Key | Yes |  |
| FName | Text (25) | No | Yes |  |
| LName | Text (30) | No | Yes |  |
| Email | Text (100) | No | Yes |  |
| SportId | Int | Foreign Key | Yes | Links to SportId in SPORT |

**REFEREE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| RefId | Int | Primary Key | Yes |  |
| FName | Text (25) | No | Yes |  |
| LName | Text (30) | No | Yes |  |
| RefEmail | Text (100) | No | Yes |  |

**LOCATION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| LocationId | Int | Primary Key | Yes |  |
| LocationName | Text (30) | No | Yes |  |
| LocationType | Text (30) | No | Yes |  |

**TEAMS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| TeamId | Int | Primary Key | Yes |  |
| TeamName | Text (25) | No | Yes |  |
| SportId | Text(30) | Foreign Key | Yes | Links to SportId in SPORT |
| CoachId | Text(100) | Foreign Key | Yes | Links to CoachID in COACH |

**STUDENT\_ASSOC**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| Cwid | Int | Composite Primary/Foreign Key | Yes | Links to Cwid in STUDENT |
| TeamsId | Int | Composite Primary/Foreign | Yes | Links to TeamsId in TEAMS |

**GAMES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| GamesId | Int | Composite Primary Key | Yes |  |
| RefId | Int | Foreign Key | Yes | Links to RefId in REFEREE |
| LocationId | Int | Composite Primary/Foreign Key | Yes | Links to LocationId in LOCATION |
| Date | Date | Composite Primary Key | Yes |  |
| Time | Time | Composite Primary Key | Yes |  |

**GAMES\_ASSOC**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| TeamsId | Int | Composite Primary/Foreign Key | Yes | Links to TeamsId in TEAMS |
| GameId | Int | Composite Primary/Foreign Key | Yes | Links to GameId in GAMES |

**EQUIPMENT\_INVENTORY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| EquipmentId | Int | Primary Key | Yes |  |
| EquipmentName | Text (75) | No | Yes |  |
| SportId | Int | Foreign Key | Yes | Links to SportId in SPORT |
| NoOfItems | Int | No | Yes |  |

**EQUIPMENT\_LOG**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Type** | **Key** | **Required** | **Remarks** |
| EquipmentId | Int | Composite Primary/Foreign Key | Yes | Links to EquipmentID in EQUIPMENT |
| Cwid | Int | Composite Primary/Foreign Key | Yes | Links to Cwid in STUDENT |
| DateBorrowed | Date | Composite Key | Yes |  |
| DateReturned | Date | No | Yes |  |
| Purpose | Text (5) | Composite Key | Yes |  |
| NoOfItemBorrowed | Int | No | Yes |  |

1. **SQL syntaxes. Scripts to implement the database tables in SQL Server, and inserting data in those tables.**

**Note: Create a database “Intramural” before executing the scripts.**

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| USE INTRAMURAL |
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| GO |
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| --- |
| /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Creating Tables\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/ |
|  |

|  |
| --- |
| CREATE TABLE STUDENTS ( |
|  |

|  |
| --- |
| Cwid Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| FName Char(25) NOT NULL, |
|  |

|  |
| --- |
| LName Char(30) NOT NULL, |
|  |

|  |
| --- |
| StudentEmail VarChar(100) NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT STUDENTS\_PK PRIMARY KEY(Cwid) |
|  |

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| --- |
| ); |
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| --- |
| CREATE TABLE COACH ( |
|  |

|  |
| --- |
| CoachID Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| FName Char(25) NOT NULL, |
|  |

|  |
| --- |
| LName Char(30) NOT NULL, |
|  |

|  |
| --- |
| Email VarChar(100) NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT COACH\_PK PRIMARY KEY(CoachID) |
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| ); |
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| --- |
| CREATE TABLE SPORT ( |
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|  |
| --- |
| SportId Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| SportName Char(30) NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT SportId\_PK PRIMARY KEY(SportId) |
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| ); |
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| --- |
| CREATE TABLE COORDINATOR ( |
|  |

|  |
| --- |
| CoordinatorID Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| FName Char(25) NOT NULL, |
|  |

|  |
| --- |
| LName Char(30) NOT NULL, |
|  |

|  |
| --- |
| Email VarChar(100) NOT NULL, |
|  |

|  |
| --- |
| SportId Int NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT COORDINATOR\_PK PRIMARY KEY(CoordinatorID), |
|  |

|  |
| --- |
| CONSTRAINT SPORT\_FK FOREIGN KEY(SportId) |
|  |

|  |
| --- |
| REFERENCES SPORT(SportId) |
|  |

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| --- |
| ); |
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| --- |
| CREATE TABLE REFEREE ( |
|  |

|  |
| --- |
| RefId Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| FName Char(25) NOT NULL, |
|  |

|  |
| --- |
| LName Char(30) NOT NULL, |
|  |

|  |
| --- |
| RefEmail VarChar(100) NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT RefId\_PK PRIMARY KEY(RefId) |
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| --- |
| ); |
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| --- |
| CREATE TABLE LOCATION ( |
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|  |
| --- |
| LocationId Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| LocationName Char(30) NOT NULL, |
|  |

|  |
| --- |
| LocationType Char(30) NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT LOCATION\_PK PRIMARY KEY(LocationId) |
|  |

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| ); |
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| --- |
| CREATE TABLE TEAMS( |
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|  |
| --- |
| TeamId Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| TeamName Char(25) NOT NULL UNIQUE, |
|  |

|  |
| --- |
| SportId Int NOT NULL, |
|  |

|  |
| --- |
| CoachID Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| CONSTRAINT TEAMS\_PK PRIMARY KEY(Teamid), |
|  |

|  |
| --- |
| CONSTRAINT TEAMS\_SPORT\_FK FOREIGN KEY(SportId) |
|  |

|  |
| --- |
| REFERENCES SPORT(SportId), |
|  |

|  |
| --- |
| CONSTRAINT TEAMS\_COACH\_FK FOREIGN KEY(CoachId) |
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| --- |
| REFERENCES COACH(CoachId) |
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| CREATE TABLE STUDENT\_ASSOC ( |
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|  |
| --- |
| Cwid Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| TeamsId Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| CONSTRAINT STUDENT\_ASSOC\_PK PRIMARY KEY(Cwid, TeamsId), |
|  |

|  |
| --- |
| CONSTRAINT STUDENTS\_FK FOREIGN KEY(Cwid) |
|  |

|  |
| --- |
| REFERENCES STUDENTS(Cwid), |
|  |

|  |
| --- |
| CONSTRAINT TEAMS\_FK FOREIGN KEY(TeamsId) |
|  |

|  |
| --- |
| REFERENCES TEAMS(TeamId) |
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| --- |
| ); |
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| --- |
| CREATE TABLE GAMES ( |
|  |

|  |
| --- |
| GamesId Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| RefId Int NOT NULL, |
|  |

|  |
| --- |
| LocationID Int NOT NULL, |
|  |

|  |
| --- |
| GameDate Date NOT NULL, |
|  |

|  |
| --- |
| GameTime Time NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT GAMES\_PK PRIMARY KEY(GamesId, LocationId, GameDate, GameTime), |
|  |

|  |
| --- |
| CONSTRAINT REFEREE\_FK FOREIGN KEY(RefId) |
|  |

|  |
| --- |
| REFERENCES REFEREE(RefID), |
|  |

|  |
| --- |
| CONSTRAINT LOCATION\_FK FOREIGN KEY(LocationId) |
|  |

|  |
| --- |
| REFERENCES LOCATION(LocationId) |
|  |

|  |
| --- |
| ); |
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| --- |
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|  |
| --- |
| CREATE TABLE GAMES\_ASSOC ( |
|  |

|  |
| --- |
| TeamsID Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| GamesId Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| CONSTRAINT GAMES\_ASSOC\_PK PRIMARY KEY(TeamsId, GamesId), |
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|  |
| --- |
| CONSTRAINT GAMES\_ASSOC\_TEAMS\_FK FOREIGN KEY(TeamsId) |
|  |

|  |
| --- |
| REFERENCES TEAMS(TeamId), |
|  |

|  |
| --- |
| CONSTRAINT GAMES\_FK FOREIGN KEY(GamesId) |
|  |

|  |
| --- |
| REFERENCES GAMES(GamesId) |
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| --- |
| ); |
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| --- |
| CREATE TABLE EQUIPMENT\_INVENTORY( |
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|  |
| --- |
| EquipmentId Int NOT NULL UNIQUE, |
|  |

|  |
| --- |
| EquipmentName VarChar(75) NOT NULL, |
|  |

|  |
| --- |
| SportId Int NOT NULL, |
|  |

|  |
| --- |
| NoOfItems Int NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT EQUIPMENT\_PK PRIMARY KEY(EquipmentId), |
|  |

|  |
| --- |
| CONSTRAINT EQUIPMENT\_SPORT\_FK FOREIGN KEY(SportId) |
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|  |
| --- |
| REFERENCES SPORT(SportId) |
|  |

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| --- |
| ); |
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| --- |
| CREATE TABLE EQUIPMENT\_LOG( |
|  |

|  |
| --- |
| EquipmentId Int NOT NULL, |
|  |

|  |
| --- |
| Cwid Int NOT NULL, |
|  |

|  |
| --- |
| DateBorrowed Date NOT NULL, |
|  |

|  |
| --- |
| DateReturned Date NOT NULL, |
|  |

|  |
| --- |
| Purpose Char(5) NOT NULL, |
|  |

|  |
| --- |
| NoOfItemsBorrowed Int NOT NULL, |
|  |

|  |
| --- |
| CONSTRAINT EQUIPMENT\_LOG\_PF PRIMARY KEY(EquipmentId, Cwid, DateBorrowed, Purpose), |
|  |

|  |
| --- |
| CONSTRAINT EQUIPMENT\_LOG\_STUDENTS\_FK FOREIGN KEY(Cwid) |
|  |

|  |
| --- |
| REFERENCES STUDENTS(Cwid), |
|  |

|  |
| --- |
| CONSTRAINT EQUIPMENT\_LOG\_EQUIPMENT\_INV\_FK FOREIGN KEY(EquipmentId) |
|  |

|  |
| --- |
| REFERENCES EQUIPMENT\_INVENTORY(EquipmentId) |
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| ); |
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| /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Inserting Data \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/ |
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| USE INTRAMURAL |
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| --- |
| GO |
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| --- |
| /\* Student \*/ |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(12345678, 'Daniel', 'Man', 'danielman@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(21354931, 'Paul', 'Green', 'paulgreen@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(45612353, 'Lucy', 'Woman', 'lucywoman@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(98745611, 'Steph', 'Curry', 'stephcurry@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(23123457, 'Greg', 'Chan', 'gregagcj@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(35697812, 'Stephanie', 'Mgun', 'stephmgun12@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(43146518, 'Otelio', 'Men', 'oteliomen89@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(11234561, 'Ian', 'Stan', 'ianstan@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(98754123, 'Manny', 'Power', 'mannypower@csu.fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO STUDENTS VALUES(54562135, 'Giselle', 'Li', 'giselleli@csu.fullerton.edu'); |
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| --- |
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|  |
| --- |
| /\* Coach \*/ |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(1, 'Greg', 'Popvich', 'gpopvich@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(2, 'Luke', 'Walton', 'lwalton@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(3, 'Steve', 'Kerr', 'skerr@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(4, 'Mike', 'Pop', 'mpop@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(5, 'Manny', 'Pacquiao', 'mpacquiao@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(6, 'Tyson', 'Fury', 'tfury@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(7, 'Deontay', 'Wilder', 'dwilder@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(8, 'Ryan', 'Garcias', 'rgarcias@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(9, 'Fred', 'Ion', 'fion@fullerton.edu'); |
|  |

|  |
| --- |
| INSERT INTO COACH VALUES(10, 'Bob', 'Ross', 'bross@fullerton.edu'); |
|  |

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| --- |
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|  |
| --- |
| /\* SPORT \*/ |
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|  |
| --- |
| INSERT INTO SPORT VALUES(123, 'Football'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(458, 'Basketball'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(787, 'Baseball'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(651, 'Soccer'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(986, 'Hockey'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(824, 'Swimming'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(987, 'Boxing'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(664, 'Bowling'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(214, 'Badminton'); |
|  |

|  |
| --- |
| INSERT INTO SPORT VALUES(373, 'Tennis'); |
|  |

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|  |
| --- |
| /\* Coordinator \*/ |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(1234, 'Mary', 'Abernathy', 'mabernathy@fullerton.edu', 123); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(5678, 'Tom', 'Caruthers', 'tcaruthers@fullerton.edu', 458); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(9874, 'Heather', 'Jones','hjones@fullerton.edu', 787); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(1324, 'Ken', 'Numoto','knumoto@fullerton.edu', 651); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(1264, 'Linda', 'Granger','lgranger@fullerton.edu', 986); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(7898, 'Ken', 'Evans','kevans@fullerton.edu', 824); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(1658, 'Mary', 'Jacobs','mjacobs@fullerton.edu', 987); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(9875, 'Rosalie', 'Jackson','rjackson@fullerton.edu', 664); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(1214, 'Richard', 'Bandalone','rbandalone@fullerton.edu', 214); |
|  |

|  |
| --- |
| INSERT INTO COORDINATOR VALUES(1895, 'George', 'Smith','gsmith@fullerton.edu',373); |
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| --- |
| /\* Location \*/ |
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|  |
| --- |
| INSERT INTO LOCATION VALUES(621, 'Basketball Court1', 'Court'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(801, 'Basketball Court2', 'Court'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(832, 'Basketball Court3', 'Court'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(834, 'Football Field1', 'Field'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(836, 'Football Field2', 'Field'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(838, 'Football Field3', 'Field'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(631, 'Soccer Field1', 'Field'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(831, 'Soccer Field2', 'Field'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(833, 'Pool1', 'Pool'); |
|  |

|  |
| --- |
| INSERT INTO LOCATION VALUES(837, 'Pool2', 'Pool'); |
|  |

|  |
| --- |
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| --- |
| /\*REFEREE\*/ |
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|  |
| --- |
| INSERT INTO REFEREE VALUES(11,'Sam', 'Stewart','SamStewart@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(21,'Tom', 'Jackson', 'TomJackson@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(31,'Mary', 'Smith', 'MarySmith@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(41,'Jason', 'Sleeman','JasonSleeman@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(51,'Mike', 'Nguyen', 'MikeNguyen@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(61, 'Rick', 'Brown', 'RickBrown@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(71, 'James', 'Nestor', 'JamesNestor@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(81, 'Bill', 'Vinovick', 'BillVinovick@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(91, 'Edward', 'Hochuli', 'EdwardHochuli@csu'); |
|  |

|  |
| --- |
| INSERT INTO REFEREE VALUES(01, 'Carson', 'Wentz', 'CarsonWentz@csu'); |
|  |

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| --- |
| /\* Teams \*/ |
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|  |
| --- |
| INSERT INTO TEAMS VALUES(01, 'Los Angeles Clippers', 458, 1); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(02, 'Los Angeles Lakers', 458, 2); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(03, 'Chicago Cubs', 787, 3); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(04, 'New York Wankees', 787, 4); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(05, 'Manchester United', 651, 5); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(06, 'FC Barcelona', 651, 6); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(07, 'AC Milan', 651, 7); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(08, 'Brooklyn Nets', 458, 8); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(09, 'Team Bowling', 664, 9); |
|  |

|  |
| --- |
| INSERT INTO TEAMS VALUES(10, 'Team Badminton', 214, 10); |
|  |

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| --- |
|  |
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| --- |
| /\*STUDENT\_ASSOC\*/ |
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|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(12345678, 01); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(21354931, 03); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(45612353, 06); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(98745611, 04); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(23123457, 05); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(35697812, 02); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(43146518, 07); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(11234561, 08); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(98754123, 09); |
|  |

|  |
| --- |
| INSERT INTO STUDENT\_ASSOC VALUES(54562135, 10); |
|  |

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| --- |
| /\* Games \*/ |
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|  |
| --- |
| INSERT INTO GAMES VALUES(01, 11, 621, '18-AUG-2020', '10:00AM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(02, 21, 801, '19-AUG-2020', '9:00AM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(03, 11, 832, '20-AUG-2020', '12:00PM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(04, 31, 834, '21-AUG-2020', '1:00PM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(05, 21, 836, '18-AUG-2020', '12:00PM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(06, 41, 838, '20-AUG-2020', '11:00AM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(07, 51, 631, '19-AUG-2020', '10:00AM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(08, 21, 621, '20-AUG-2020', '10:00AM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(09, 31, 621, '21-AUG-2020', '10:00AM'); |
|  |

|  |
| --- |
| INSERT INTO GAMES VALUES(10, 61, 621, '30-AUG-2020', '10:00AM'); |
|  |

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| --- |
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| --- |
| /\* Games\_Assoc \*/ |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(01, 01); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(02, 02); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(03, 03); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(04, 04); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(05, 05); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(06, 06); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(07, 07); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(08, 08); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(09, 09); |
|  |

|  |
| --- |
| INSERT INTO GAMES\_ASSOC VALUES(10, 10); |
|  |

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| --- |
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| --- |
| /\* EQUIPMENT\_INVENTORY \*/ |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(01, 'Basketball', 458, 15); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(02, 'Tennis Ball', 373, 100); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(03, 'Football', 123, 15); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(04, 'Soccer Ball', 651, 15); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(05, 'Bowling Ball', 664, 20); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(06, 'Bowling Shoe', 664, 50); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(07, 'Badminton Raquet', 214, 15); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(08, 'Hockey Puck', 986, 50); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(09, 'Baseball Bat', 787, 15); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_INVENTORY VALUES(10, 'Baseball', 787, 30); |
|  |

|  |
| --- |
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| --- |
| /\* EQUIPMENT\_LOG \*/ |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(01, 12345678, '02/20/2020', '02/20/2020', 'P', 1); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(02, 21354931, '02/21/2020', '02/21/2020', 'P', 1); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(01, 45612353, '02/21/2020', '02/21/2020', 'P', 1); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(03, 98745611, '02/22/2020', '02/22/2020', 'P', 1); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(03, 45612353, '02/23/2020', '02/23/2020', 'P', 1); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(05, 12345678, '02/25/2020', '02/25/2020', 'G', 1); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(06, 98745611, '02/25/2020', '02/25/2020', 'G', 1); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(07, 11234561, '02/26/2020', '02/26/2020', 'G', 1); |
|  |

|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(09, 23123457, '02/27/2020', '02/27/2020', 'G', 1); |
|  |

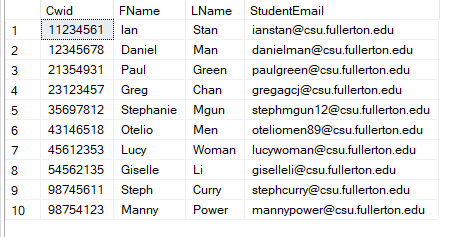
|  |
| --- |
| INSERT INTO EQUIPMENT\_LOG VALUES(08, 54562135, '02/27/2020', '02/27/2020', 'G', 1); |
|  |

|  |
| --- |
|  |
|  |

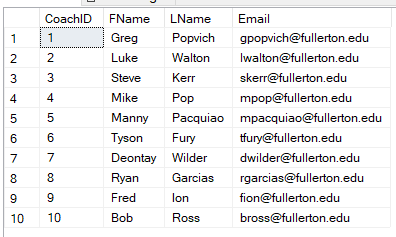
/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

1. **Screenshots illustrating each table’s dummy records**

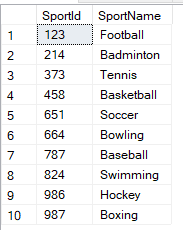
STUDENTS



COACH



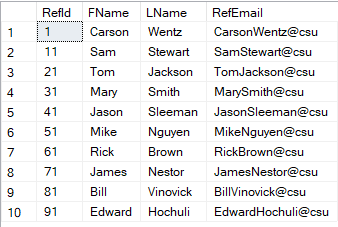
SPORT



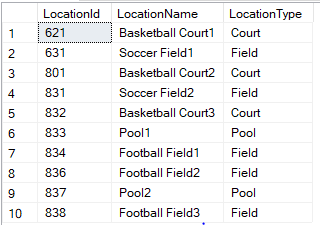
COORDINATOR



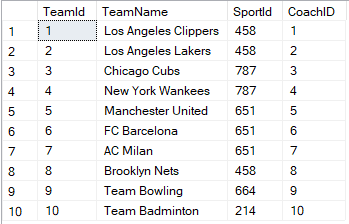
REFEREE



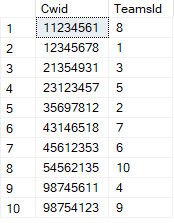
LOCATION



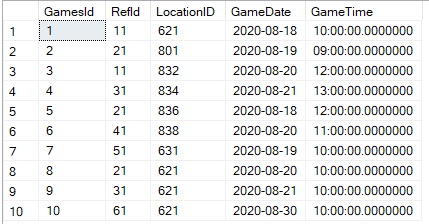
TEAMS



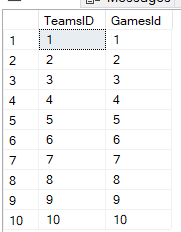
STUDENT\_ASSOC



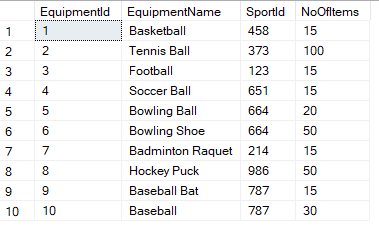
GAMES



GAMES\_ASSOC



EQUIPMENT\_INVENTORY



EQUIPMENT\_LOG

