Database ERD Summary

Overall, the Entity-Relationship Diagram (ERD) represents the relational aspect between each of the elements and how they will interact with each other behind the scenes. This is the collection of data grouped together and whittled down to its elements necessary for interaction. Between each of the entities there are lines that show how if the relationship of a course can have one teacher or only one teacher. Information relative to each course is how large a class can be to tracking the data from each of the donors. In efforts to streamline the data collection to avoid redundancy, we collect and store the data in one entity and share it with another entity. Finally, each of the entities will be available to query from each of the tables established upon development.

The Tomahawk Group
for LOLA project

Feedback
- PK Feedback_ID
- FK Course_ID
- FK Student_ID
- FK Teacher_ID

Course_Types
- PK Course_Type_ID
- Course_Description

Courses
- PK Course_ID
- FK Course_Type_ID
- FK Teacher_ID
- Course_Max_Size

Teacher
- PK Teacher_ID
- FK User_Code
- SSN

State
- PK State_Code
- State_Name

Event_Types
- PK Event_Type_ID
- Event_Description

Grant
- PK Grant_ID
- FK Employee_ID
- FK Course_ID
- FK Student_ID

Employee
- PK Employee_ID
- FK User_Code
- SSN
- Job_Description

User
- PK User_Code
- First_Name
- Last_Name
- Street_Address
- City
- FK State_Code
- Zip_Code
- Phone_Number
- Birth_Date
- Email_Address

Student
- PK Student_ID
- User_Code
- Scholarchip

Transactions
- PK Transaction_ID
- Card_Type
- Card_Number
- Expiration_Date
- CVC
- Transaction_Date
- Transaction_Total

Events
- PK Event_ID
- FK Event_Type_ID
- Course_Max_Size

Volunteers
- PK Volunteer_ID
- User_Code

Course_Registration
- PK Registration_ID
- FK Transaction_ID
- FK Course_ID
- FK Student_ID

Event_Registration
- PK Event_Registration_ID
- FK Transaction_ID
- FK Event_ID
- FK Donor_ID

Donor
- PK Donor_ID
- User_ID

Donation
- PK Donation_ID
- FK Transaction_ID
- FK Donor_ID
- Donation_Type