STUDENT PROJECTS

Chapter 4

Initial Mapping to Tables for Student

Projects

Read the sample project (The Art Gallery) steps for this chapter and apply the same techniques to the student project that you are developing.

- Step 4.1: Map the ER model developed at the end of Chapter 3 to a relational model, using the guidelines presented in Section 4.7 and illustrated in the sample project. Write the schema for the database, but do not create the database at this stage.

  - ❖ Donor (donorId-primarykey, name, DOB, address, affiliation, preferredName, DonorCircle)
  - ❖ Pledge (pledgeId-primary key, donorId- FK, pledgeAmount, pledgeDate)
  - ❖ Payment (paymentId- primary key, pledgeId- FK, amountPaid, paymentType, cardNumber, paymentTime)
  - ❖ Event (eventId- primary key, eventName, eventDate, eventCost)
  - ❖ EventParticipation (DonorId-FK, eventId-FK, dpnationAtevent, isDonor,)
  - ❖ MatchingGift (matchingGiftId-primary key, donorId- FK, employerName, employerPhone, amount))
  - ❖ DonorCircle (circleType - primary Key)

- Step 4.2: Map the EER model developed at the end of Chapter 3 to relational model, using the guidelines presented in Section 4.8.

  ❖ Donor (donorId-primarykey, name, DOB, address, affiliation, preferredName, DonorCircle)

  ❖ Student (donorId-primarykey)

  ❖ Alumni (donorId-primarykey)

  ❖ FriendsOfUni(donorId-primarykey)

  ❖ Pledge (pledgeId-primary key, donorId- FK, pledgeAmount, pledgeDate)

  ❖ Payment (paymentId- primary key, pledgeId- FK, amountPaid, paymentType, cardNumber, paymentTime)

  ❖ Participant (participantsId)

  ❖ Event (eventId- primary key, eventName, eventDate, eventCost)

  ❖ EventParticipation (DonorId-FK, eventId-FK, dpnationAtevent, isDonor,)

  ❖ MatchingGift (matchingGiftId-primary key, donorId- FK, employerName, employerPhone, amount))

  ❖ DonorCircle (circleType - primary Key)