Here's a basic ER model based on the given requirements:

Entities:

1. Gymnasium
2. Member
3. Session
4. Coach

Attributes:

1. Gymnasium:
   * Name (Primary Key)
   * Address
   * Telephone Number
2. Member:
   * ID (Primary Key)
   * Last Name
   * First Name
   * Address
   * Date of Birth
   * Gender
   * Gymnasium Name (Foreign Key)
3. Session:
   * Session ID (Primary Key)
   * Type of Sport
   * Schedule
   * Number of Members (Derived Attribute)
   * Gymnasium Name (Foreign Key)
4. Coach:
   * Last Name
   * First Name
   * Age
   * Specialty
   * Gymnasium Name (Foreign Key)

Relationships:

1. Register:
   * Member (1) --(registers at)-- (\*) Gymnasium
2. Attend:
   * Member (1) --(attends)-- (\*) Session
3. Lead:
   * Coach (1 or 2) --(leads)-- (\*) Session

This ER model represents the relationship