Announcements

• Quiz will cover chapter 16 in Fluency
  • Nothing in QuickStart
• Read Chapter 12 for Friday
• Project 3
  • 3A due Friday before 11pm
  • 3B due Monday, March 17 before 11pm

Announcements

• Free copy of Access for educational/academic use:
  • Links on Computing page on Course Web site
  • Search for CSE or INFO to find the link on the page

Designing a Database

Hands on in Access and on paper

Project 3

• Project 3A: Create Tables
• Project 3B: Queries and answering questions

Athletes and Teams

• “Business Rules”
  • What the database is about
  • What things are important
  • How things relate

Athletes and Teams

• A Database for an athletics department at a high school
• Storing details of:
  • Teams with
    • division, gender, coach
  • Student Athletes
• Individuals are selected for a team.
• Keep track of the points awarded to each student for participating in a sport for the awarding of school letters.
• The Database has to keep track of student Athletes over five years with any given Athlete participating in multiple sports in a given year.
Athletes and Teams

- THINGS of interest, include:
  - Athletes
  - Events
  - Points earned for success
  - Teams

- These THINGS are related as follows:
  - A Student Athlete can participate in zero, one or many TEAMS.

Athletes and Teams

- student_id
- student_result_at_event
- student_points_to_date
- student_points_at_event
- student_first_name
- student_last_name
- student_middle_name
- student_awarded_date
- student_gender
- student_birthdate
- student_address
- student_other_details

- team_name
- team_description
- team_gender
- team_addresses
- team_other_details

- event_name
- event_description
- event_locations
- event_start_date
- event_end_date
- event_other_details

Design the Database

- Divide into teams of three or four:
  - Design the Students and Teams database:
    - Decide what tables you would build.
    - Decide what fields you would put in each table.
    - List table names and attributes.
    - Choose primary keys.
    - List foreign keys in the foreign table.
  - You have 15 minutes.