Announcements

FIT100

- 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

Project 3

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

Announcements

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- 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

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Hands on in Access and on paper

Athletes and Teams

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- "Business Rules"
  - ∗ What the database is about
  - ∗ What things are important
  - ∗ How things relate

Athletes and Teams

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- 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

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- 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

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student_id
student_result_at_event
student_points_to_date
student_points_at_event
student_first_name
letters_sport_code
student_middle_name
letters_awarded_date
student_last_name
team_gender
student_date_of_birth
event_location

team_name
student_gender
team_description
student_address
coach_name
student_other_details
team_other_details
division_description
sport_description
event_name
event_start_date
event_end_date
event_other_details

Design the Database

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- 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.