Project 4 And Data Validation

Project 4, designed in class Friday, is further specified. Special attention is paid to validating that the information is entered into the tables is correct.

Design of CDC Information System

- Discuss the three tables: Clients, Doctors and Visits
  - Fields and field attributes (data types, constraints, etc.)
  - Walk through the construction of such tables on-line
    - Clients uses Table Wizard and Auto Form Construction
    - Doctors uses the Table Wizard, construct Form with wizard
    - Visits is constructed manually
Several techniques can be used to avoid letting “bad” data into a database

- Automatically generate the data, e.g. sequence numbers, dates, inherited data from other tables, etc.
- Masking the input to force a specific form of data, e.g. phone numbers, SS numbers, etc.
- Validation rules, constraints that are tested against the entered data … users are required to enter data that meets the constraint

These techniques are illustrated in the on-line demonstration