



Database Part III

Database Implementation

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Database Implementation

- Review:

- 1) We designed on paper
- 2) We designed in DB Designer
- 3) We synched = we implemented

- What's left?

- 4) Populate tables















Method 1: direct data entry in DB Designer

Right-click table -> Edit Table Data

ation_id: INTEGER (FK) |

Database Connection: rcn01

plot	quad
N	1

Tools:           SQL BLOB





Method 2: import text tables

- Problem: How to make all the key values match?

Locations

Site
Web
Plot
Quad
Location_id (PK)

Observations

Visit_id (FK)
Species_id (FK)
Observation
Cover
Height
Count
Phen
Comments
Location_id (FK)
Observation_id (PK)

Species

Species
Scientific Name
Common Name
Species_id (PK)

Visits

Date
Personnel
Visit_id (PK)

→
1:n

←
1:n

→
1:n





Method 2: importing from DB Designer

□ Importing the locations data:

- * First, download <http://fs.sdsu.edu/seek2005/locations.csv>
- DB Designer: Plugins -> Data Importer
- Select "Destination Database Connection"
- Select "Import from Text Files" and choose locations.csv
- Select comma as separator
- Select "Column Mapping" then "Destination Table"
- Select "Auto Mapping" and "Execute"





Database Implementation Review

- ❑ In DB Designer, synchronizing creates tables
- ❑ You can manually edit/enter data in DB Designer
- ❑ You can import text into tables in DB Designer
- ❑ Matching up import data to newly designed database is not easy.

NEXT:

Designing & Implementing in MS Access

