

Data

epiphany

Gullible

Easy Mark

Sucker

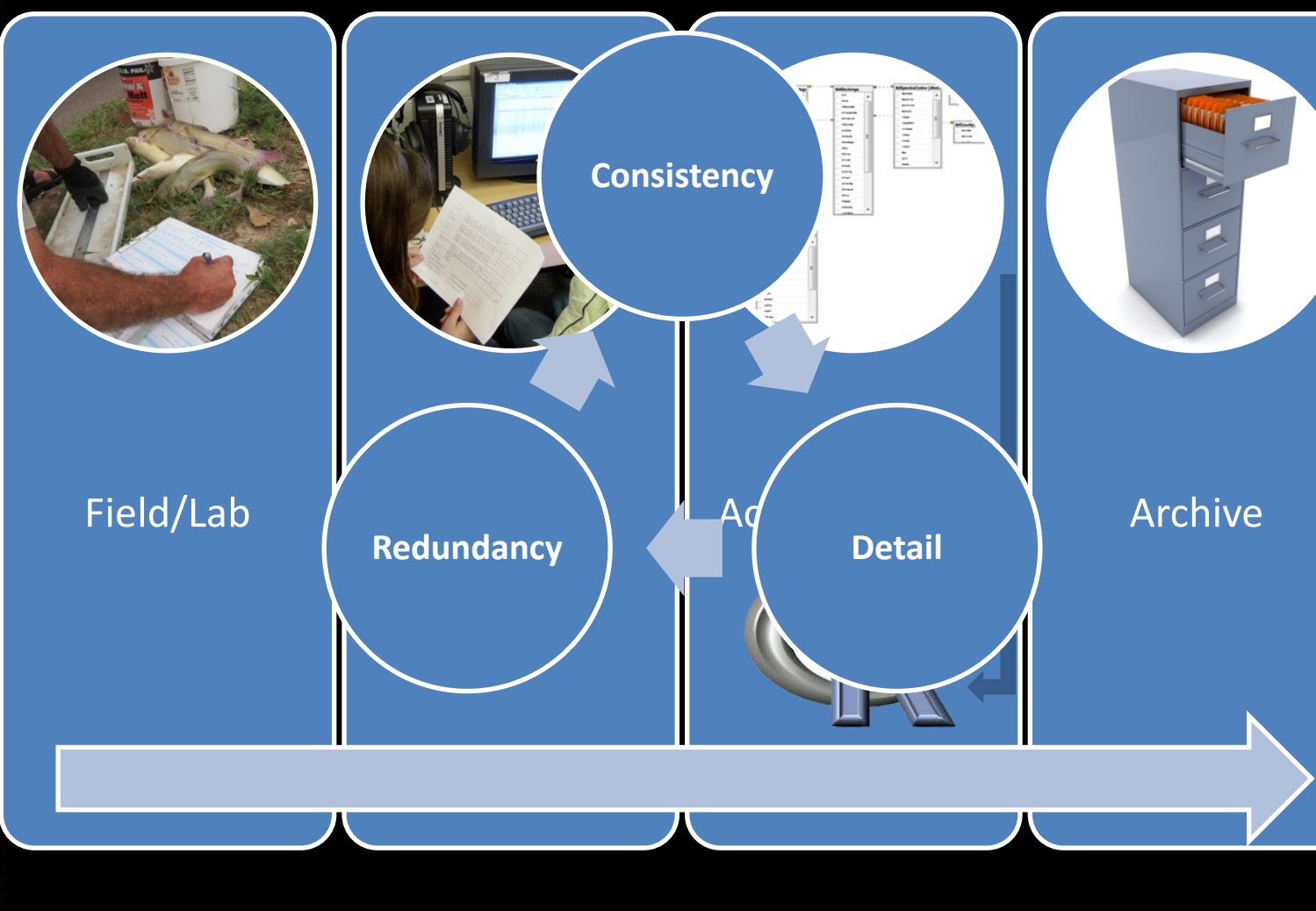
Ambitious

Care and feeding of the data monster!





Day 1



Field/Lab

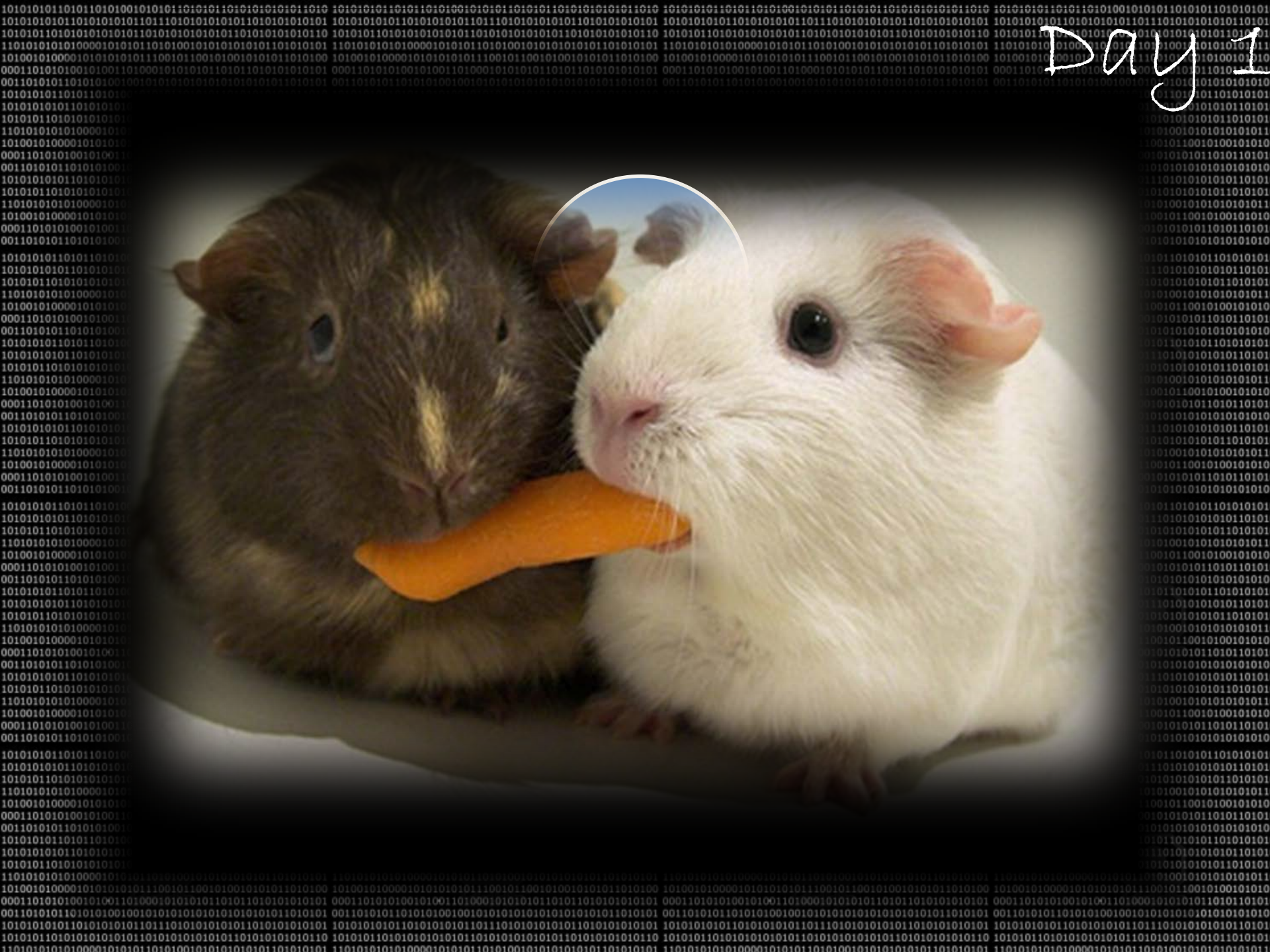
Redundancy

Consistency

Detail

Archive

Day 1



Day 1

Flat Files



Spreadsheets



Statistical



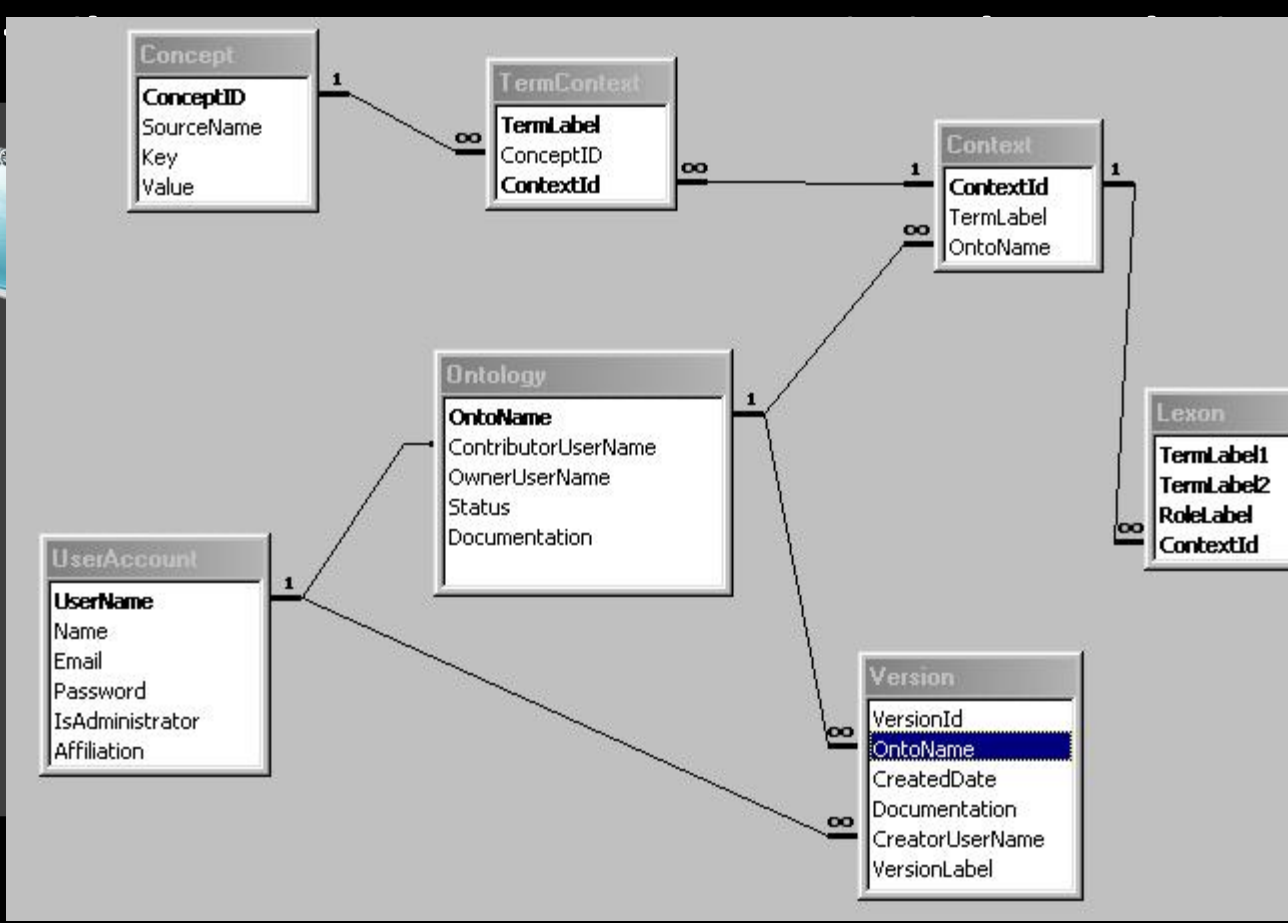
Relational DB



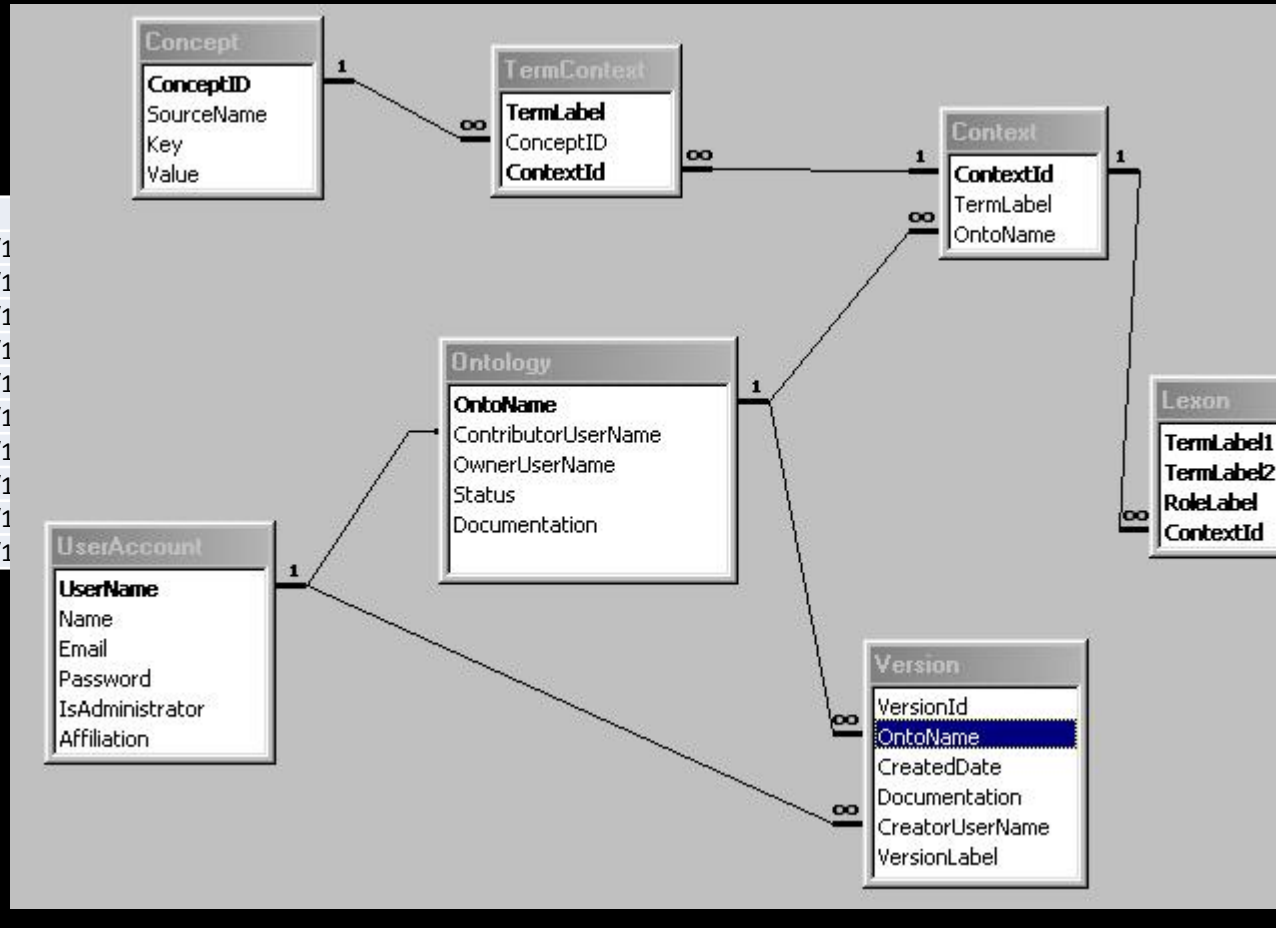
Day 1

Fla

DB



Day 1



date
 06/01/1
 06/01/1
 06/01/1
 06/01/1
 06/25/1
 06/25/1
 06/25/1
 08/30/1
 08/30/1
 08/30/1

4	edge
413	
490	
292	
365	
484	
349	
230	

Day 1

tblSets				tblFish										
set_UID	set_Date	set_Site	set_Gear	species	length	weight	age	a1	a2	a3	a4	edge		
					1210	254	4	178	223	381	413	413		
1	6/1/2013	1	1	1243	222	4	145	242	335	481	490			
2	6/1/2013	2	1	1135	86	2	195	284			292			
3	6/1/2013	3	1	2142										
4	6/25/2013	1	1	3138										
5	6/25/2013	2	1	3179										
6	6/25/2013	4	1	1198	168	3	188	254	365		365			
7	8/30/2013	5	2	4854	355	4	113	241	384	476	484			
8	8/30/2013	6	2	5312	211						230			
9	8/30/2013	7	2	211						230				

tblLakes	
lake_UID	lake_Name
1	Round
2	Square

tblSites		
site_UID	Site_lakeUID	site_Name
1	1	Loon Point
2	1	Pintail Bay
3	1	West end of dam
4	1	Big Creek mouth
5	2	Mallard Cove
6	2	Whitetail Point
7	2	Bobber Bay

tblGears	
gear_UID	gear_Name
1	Trap Net
2	Gill Net

tblSpecies	
spp_UID	spp_Name
1	bluegill
2	redear
	black
3	bullhead
4	walleye
5	white bass

Day 1

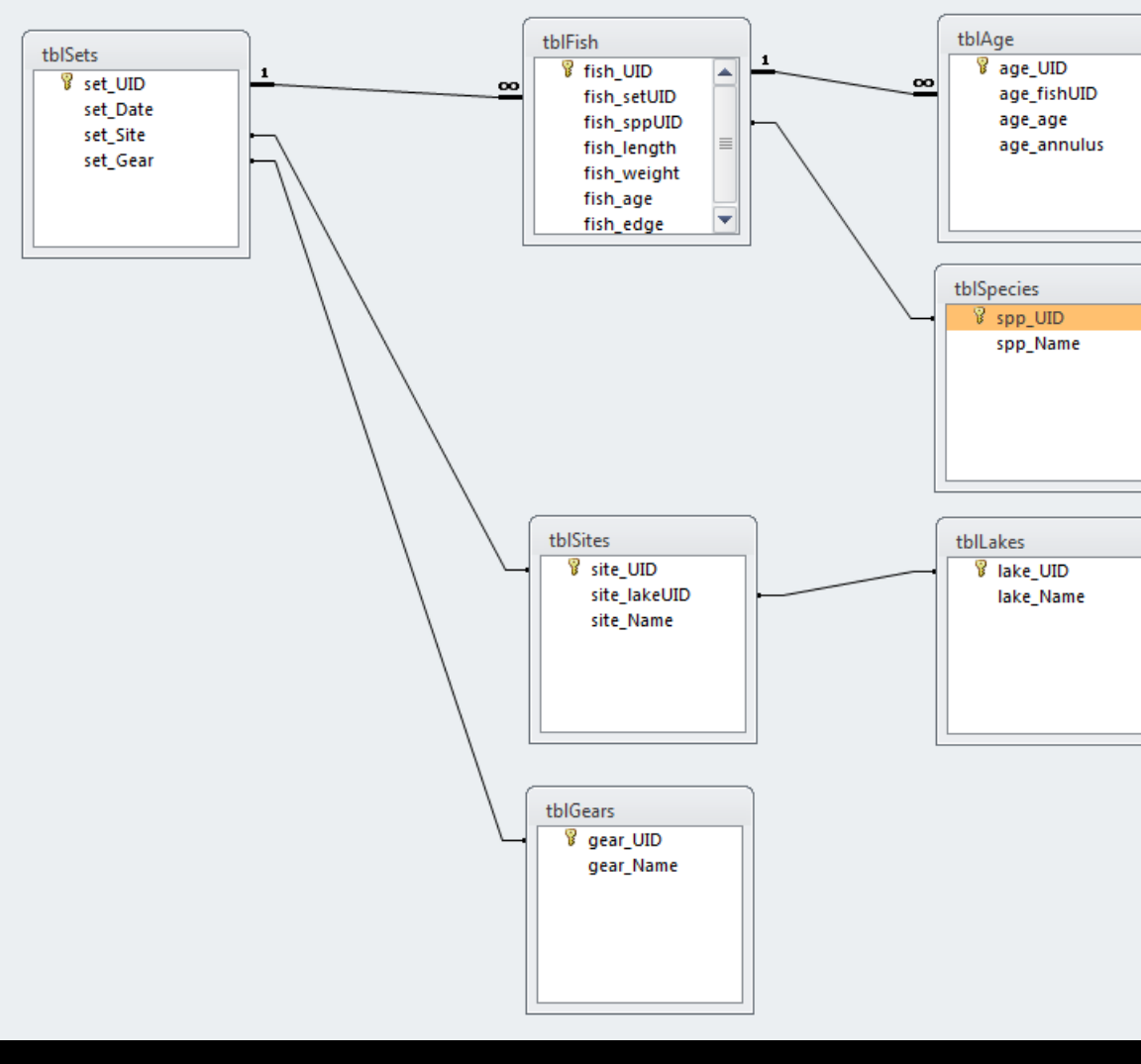
tblFish						lAge			
fish_UID	fish_setUID	fish_sppUID	fish_length	fish_weight	fish_age	edge	age_age	age_annulus	
1	1	1	210	254	4	413	1	178	
2	1	1	243	222	4	490	2	223	
3	2	1	135	86	2	292	3	381	
4	3	2	142				4	413	
5	4	3	138				1	145	
6	5	3	179				2	242	
7	6	1	198	168	3	365	3	335	
8	7	4	854	355	4	484	4	481	
9	8	4	686	321	3	349	1	195	
10	9	5	312			230	2	284	

	11	7	1	188
	12	7	2	254
	13	7	3	365
	14	8	1	113
	15	8	2	241
	16	8	3	384
	17	8	4	476
	18	9	1	105
	19	9	2	289
	20	9	3	349

tblSets			
set_UID	set_Date	set_Site	set_Gear
1	6/1/2013	1	1
2	6/1/2013	2	1
3	6/1/2013	3	1
4	6/25/2013	1	1
5	6/25/2013	2	1
6	6/25/2013	4	1
7	8/30/2013	5	2
8	8/30/2013	6	2
9	8/30/2013	7	2

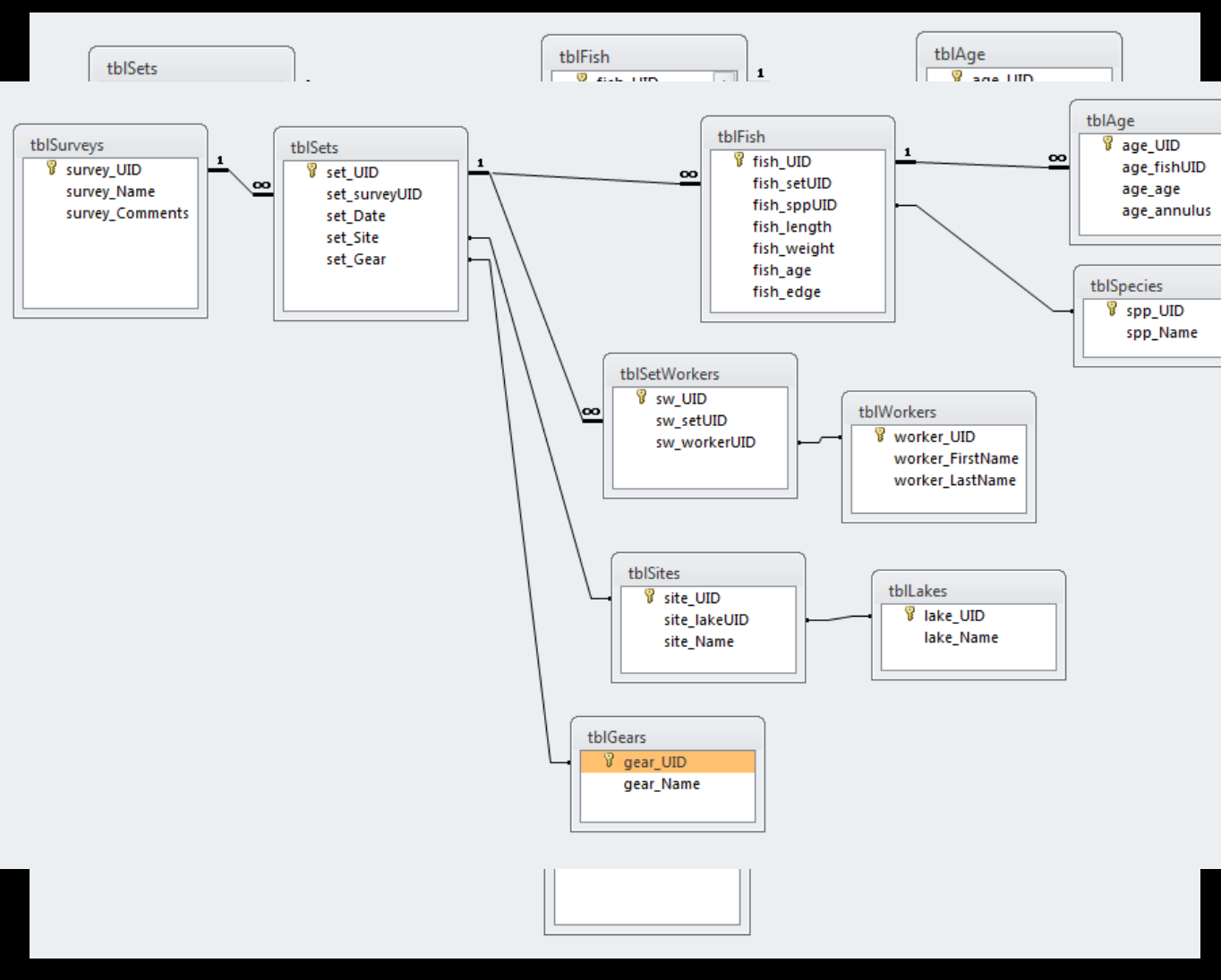
Day 1

fish_UID	fish
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



age_annulus
178
223
381
413
145
242
335
481
195
284
188
254
365
113
241
384
476
105
289
349

Day 1





Day 2



Day 2

The image shows a software interface with a table titled "tblSets". The table has three columns: "Field Name", "Data Type", and "Description". The "Data Type" column contains the word "Number". The interface also includes a "Field Properties" section at the bottom right, which is currently empty.

Field Name	Data Type	Description
	Number	

Day 2

tblFish

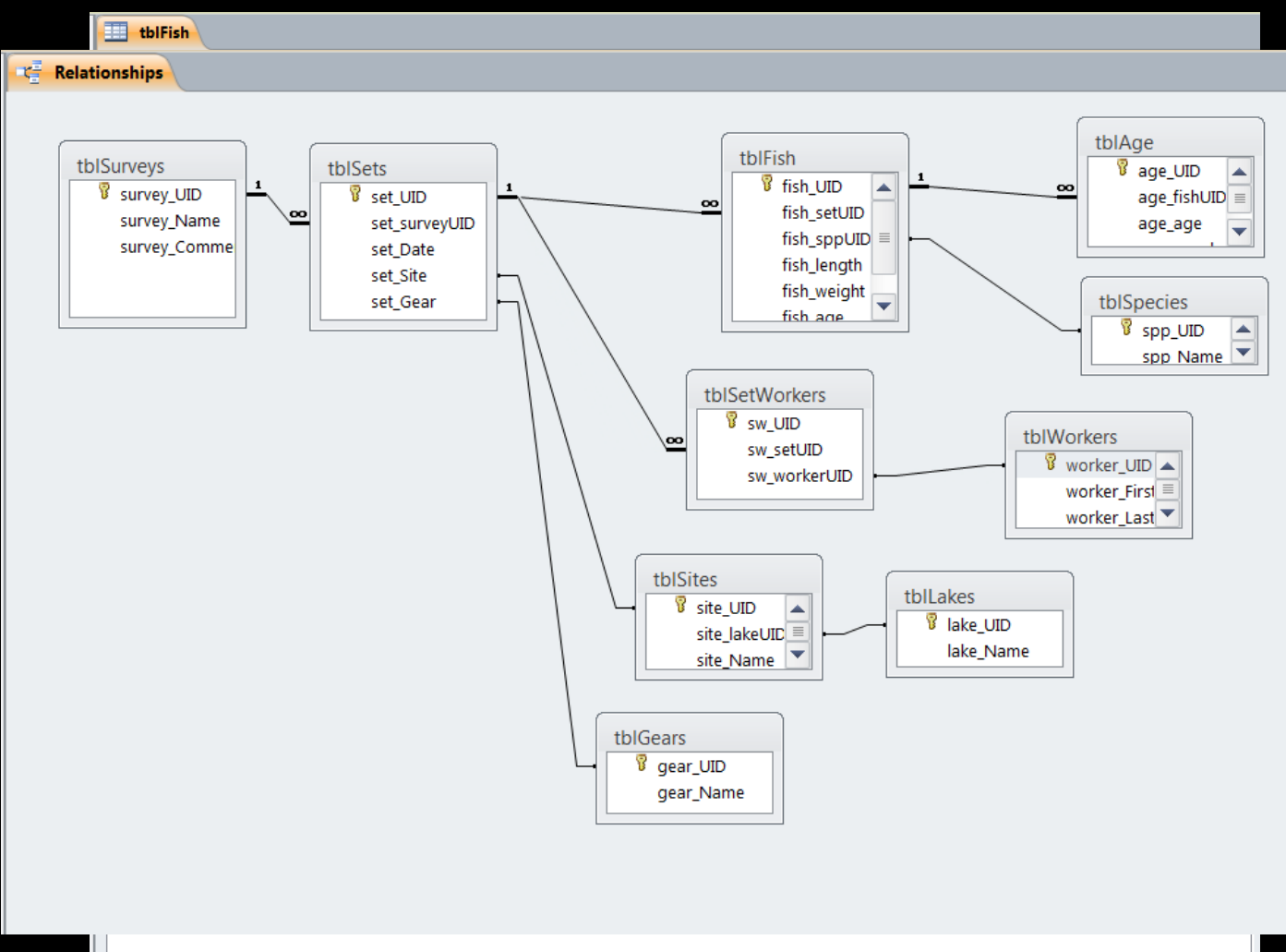
Field Name	Data Type	Description
fish_UID	AutoNumber	
fish_setUID	Number	
fish_sppUID	Number	
fish_length	Number	
fish_weight	Number	
fish_age	Number	
fish_edge	Number	

Field Properties

General | Lookup

Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)
Smart Tags	
Text Align	General

Day 2



Day 2

Enter Survey Data

Survey:

Comments:

Date	Site	Gear Type	
1/1/2012	Big Creek mouth	Trap Net	Edit Fish
1/17/2014	Big Creek mouth	Gill Net	Edit Fish
1/10/2014	Pintail Bay	Trap Net	Edit Fish
1/2/2014	West end of dam	Trap Net	Edit Fish
*			

Day 2

Enter Survey Data

Enter Survey Data Edit Fish

1/2/2014 Trap Net

Round Lake

West end of dam

Species	Length	Weight	Age	Edge	
redear	109	19	2	10	Edit Annuli
black bullhead	111	1	1	1	Edit Annuli
*					
*					

Day 2

Enter Survey Data Edit Fish

1/2/2014 Trap Net
Round Lake
West end of dam

Species	Length	Weight	Age
redeer	109	19	
black bullhead	111	1	
*			

Edit Annuli

Annuli Measurements

Age	Annulus
1	123
2	223

Day 2

The screenshot shows a software interface for entering survey data. At the top, there are tabs for 'Enter Survey Data' and 'Edit Fish'. The main header area contains a fish icon, the date '1/2/2014', the location 'Trap Net', 'Round Lake', and 'West end of dam'. Below this is a table with columns for 'Species', 'Length', 'Weight', and 'Age'. Two rows are visible: 'redear' with length 109 and weight 19, and 'black bullhead' with length 111 and weight 1. An 'Edit Annuli' dialog box is open, titled 'Annuli Measurements', with a fish photo icon. It has input fields for 'Age' (value 1) and 'Annulus' (value 123), and another set of fields for 'Age' (value 2) and 'Annulus' (value 223). A search bar at the bottom of the dialog contains the text 'Select A From B Where C'. The background of the entire image is a repeating pattern of binary code (0s and 1s).

Species	Length	Weight	Age
redear	109	19	
black bullhead	111	1	

Annuli Measurements

Age: 1 Annulus: 123

Age: 2 Annulus: 223

Select A From B Where C

set set_date tblSets Where set_gear = 1

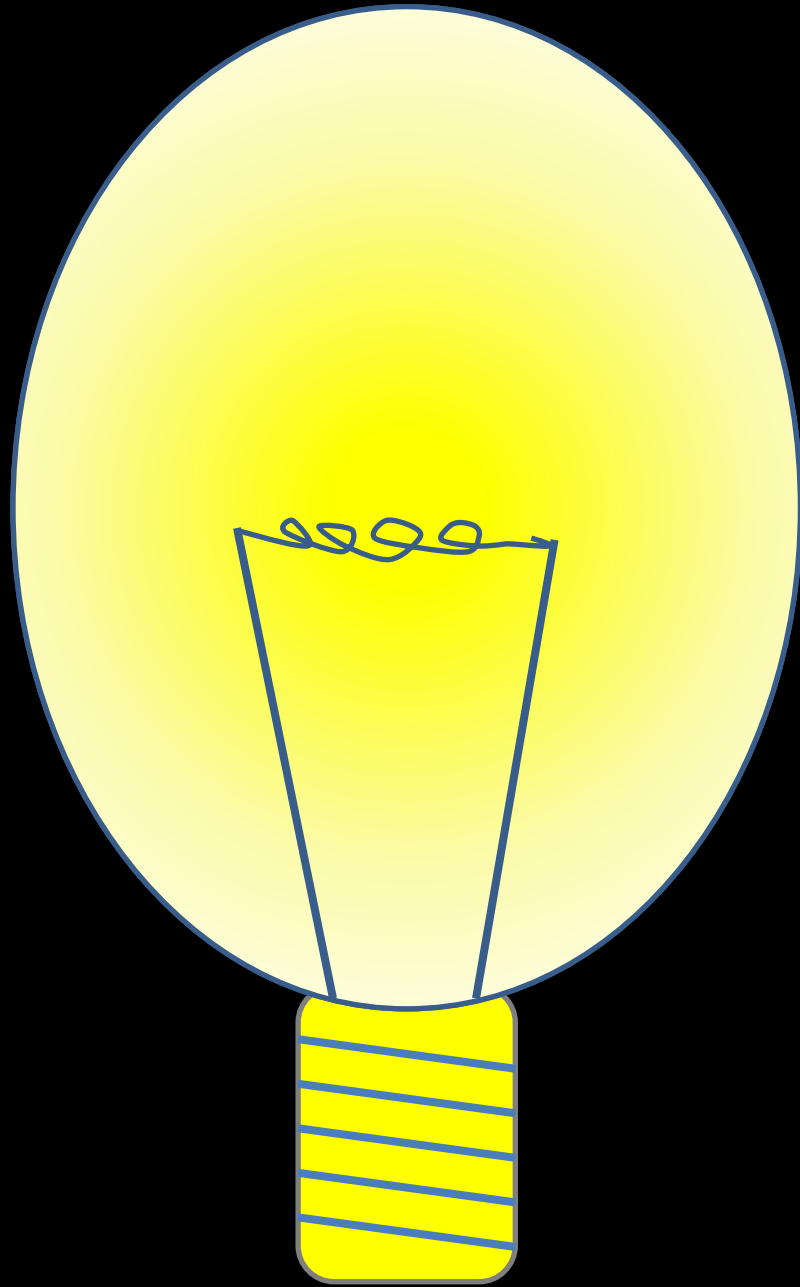
Day 2

	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7
Date 1	0	4	0	0	1	0	0
Date 2	0	0	0	0	0	0	0

Select A From B Where C

	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7
Date 1	0	4	0	0	1	0	0
Date 2	0	0	0	0	0	0	0
Date 3	1	0	0	0	0	0	0
Date 4	0	0	0	7	0	0	1
Date 5	0	5	0	0	0	0	0
Date 6	0	0	0	0	1	0	0

Select set_date From tblSets Where set_gear = 1



Datapiphany!

Datapiphany!

Datapiphany!

Passion

OFWIM

Gratitude