

OpenOffice.org

Database Connection for the rest of us.

- Reason for presentation
- Register a database
 - Install driver- myodbc
 - Create and register a database
- Real life example - Drag times

Reasons for presentation

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 3. Not fully compatible with other office suites
 4. No easy database, like Access

Steps to use MySQL with OpenOffice.org

1. Install MyODBC

Excellent tutorial available at

<http://www.unixodbc.org/doc/OOoMySQL.pdf>

Sample odbcinst.ini

[PostgreSQL]

Description = ODBC for PostgreSQL

Driver = /usr/lib/libodbcpsql.so

Setup = /usr/lib/libodbcpsqlS.so

FileUsage = 1

[MySQL]

Description = ODBC driver for MySQL

Driver = /usr/lib/libmyodbc.so.2

Setup = /usr/lib/libodbcmyS.so.1

FileUsage = 1

CPTimeout =

CPReuse =

Steps to use MySQL with OpenOffice.org

1. Install MyODBC
2. Create database and register as ODBC source

Sample odbc.ini

[MySQL-Baby]

Description = Baby database
Driver = MySQL
Server = localhost
Database = baby
Port = 3306
Socket =
Option =
Stmt =

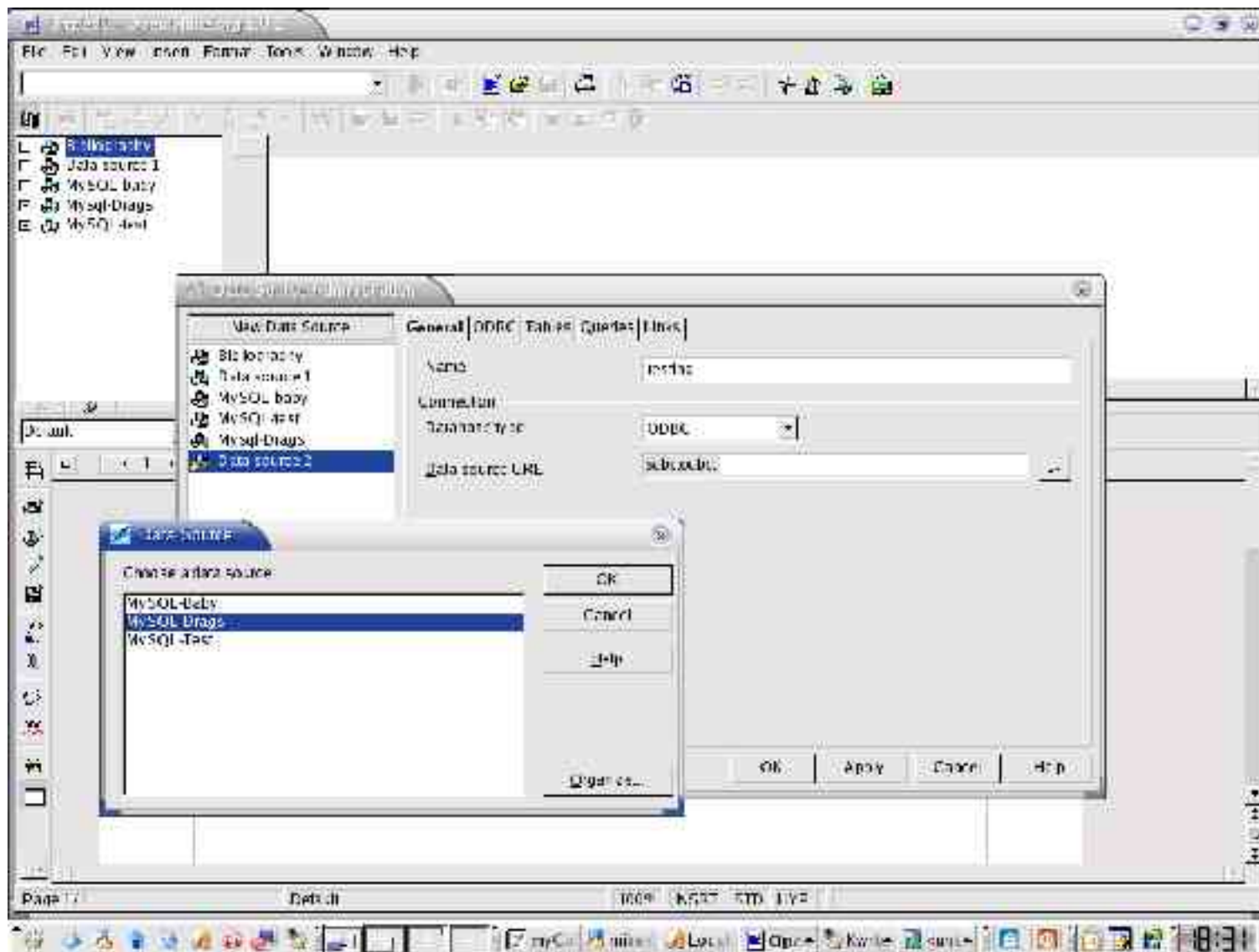
[MySQL-Drags]

Description = Drags database
Driver = MySQL
Server = localhost
Database = drags
Port = 3306
Socket =
Option =
Stmt =

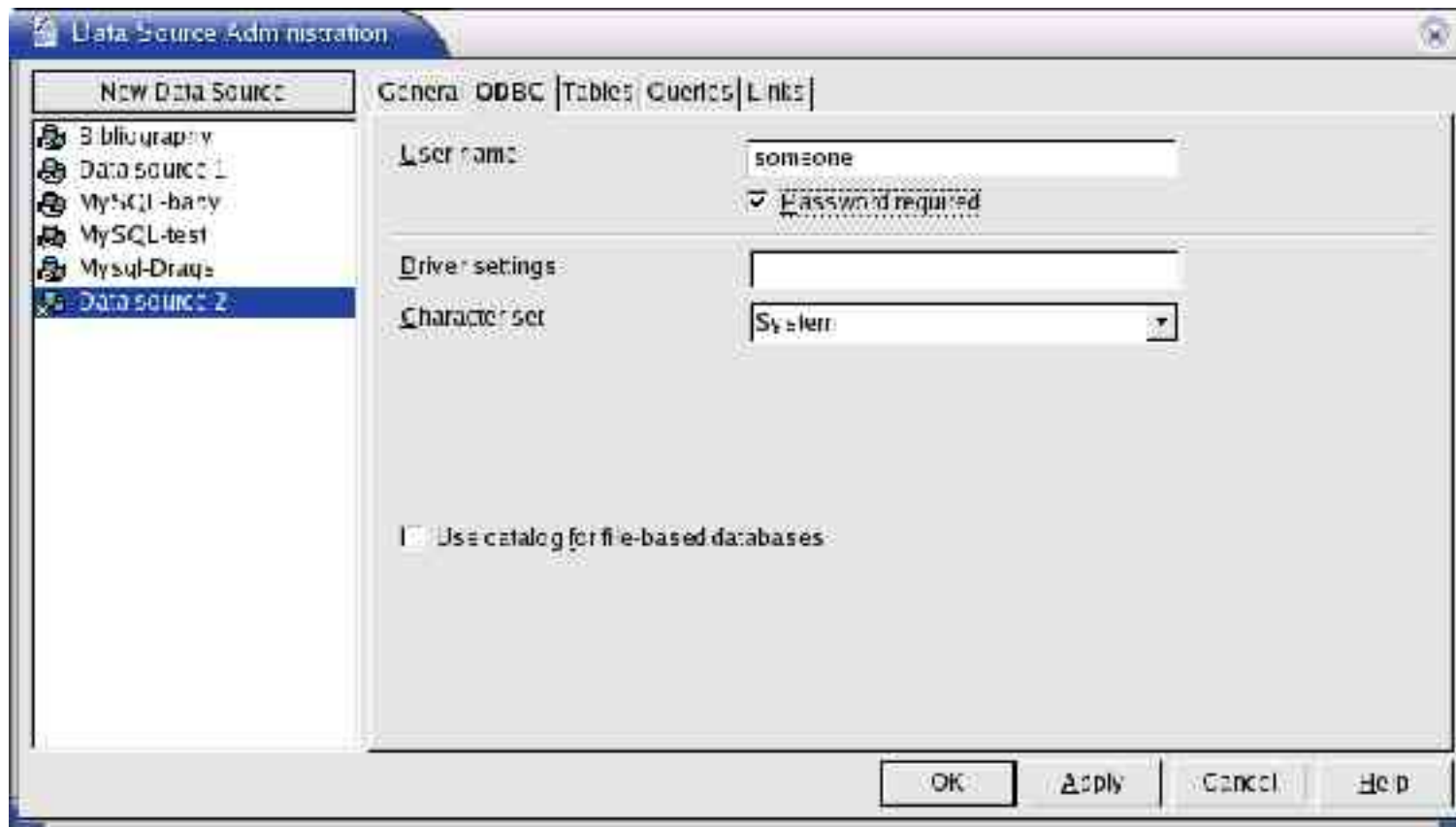
Steps to use MySQL with OpenOffice.org

1. Install MyODBC
2. Create database and register as ODBC source
3. Create datasource in OpenOffice.org

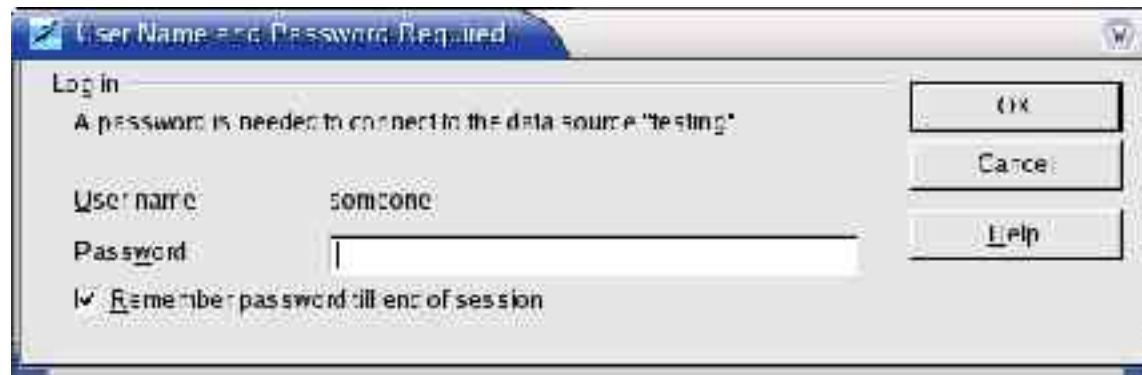
Create datasource



Set User



Connect to database



A screenshot of a Windows-style dialog box titled "User Name and Password Required". The dialog box has a blue header bar with a small icon on the left and a "W" icon on the right. The main content area is light gray. It contains a "Log in" section with a message: "A password is needed to connect to the data source 'testing'". Below this, there are two input fields: "User name" with the text "someone" and "Password" with an empty field. At the bottom, there is a checkbox labeled "Remember password till end of session" which is checked. On the right side of the dialog, there are three buttons: "OK", "Cancel", and "Help".

User Name and Password Required

Log in

A password is needed to connect to the data source 'testing'

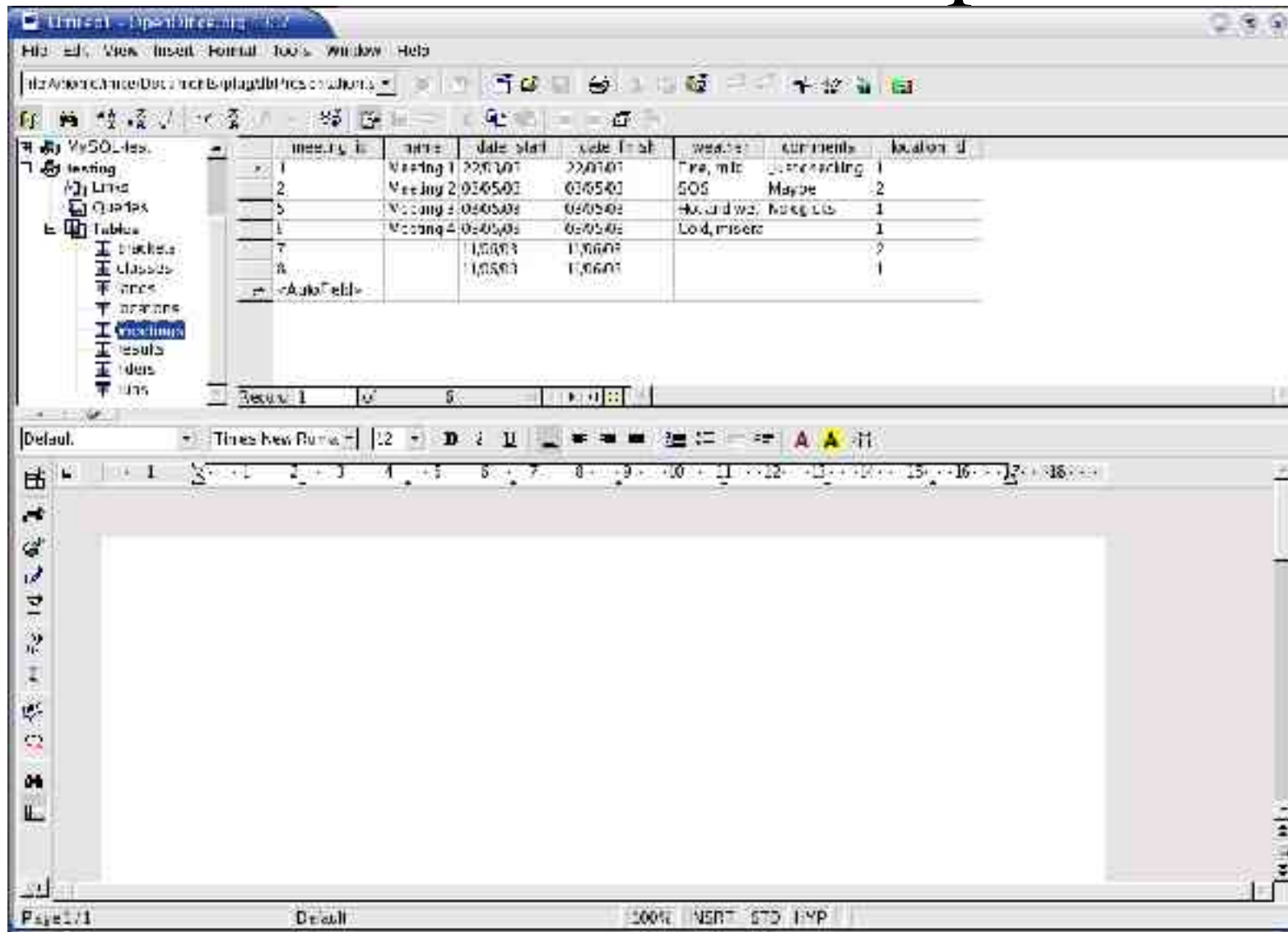
User name: someone

Password:

☒ Remember password till end of session

OK Cancel Help

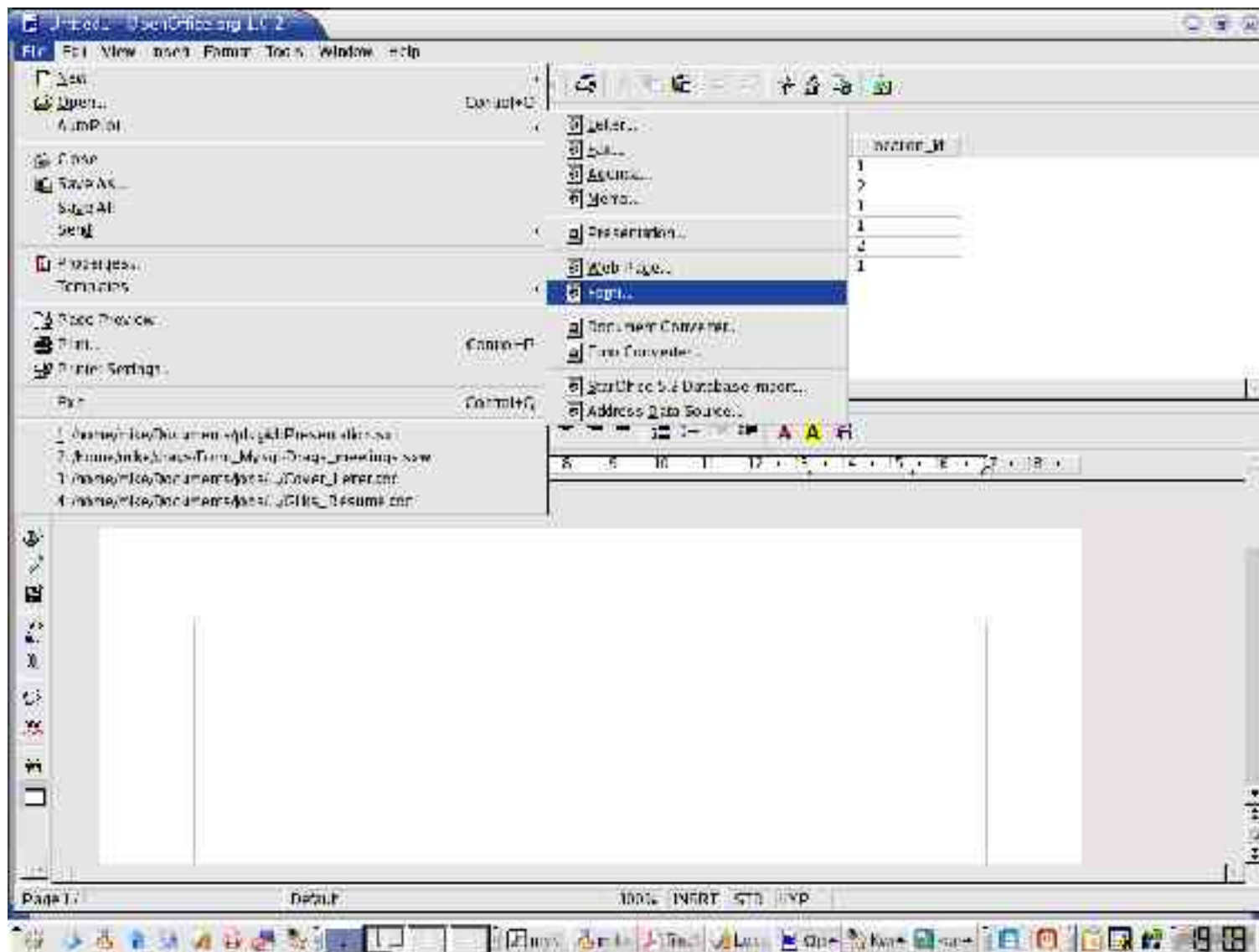
New data source open



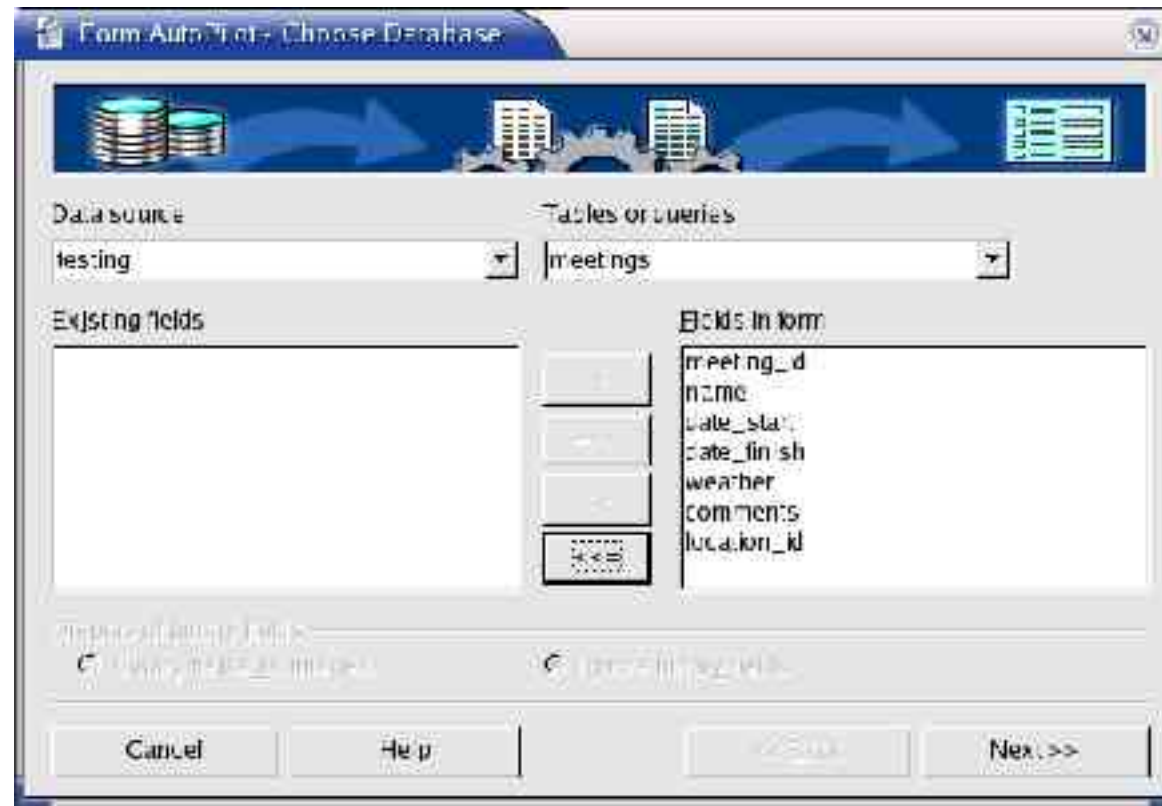
Steps to use MySQL with OpenOffice.org

1. Install MyODBC
2. Create database and register as ODBC source
3. Create datasource in OpenOffice.org
4. Create a form

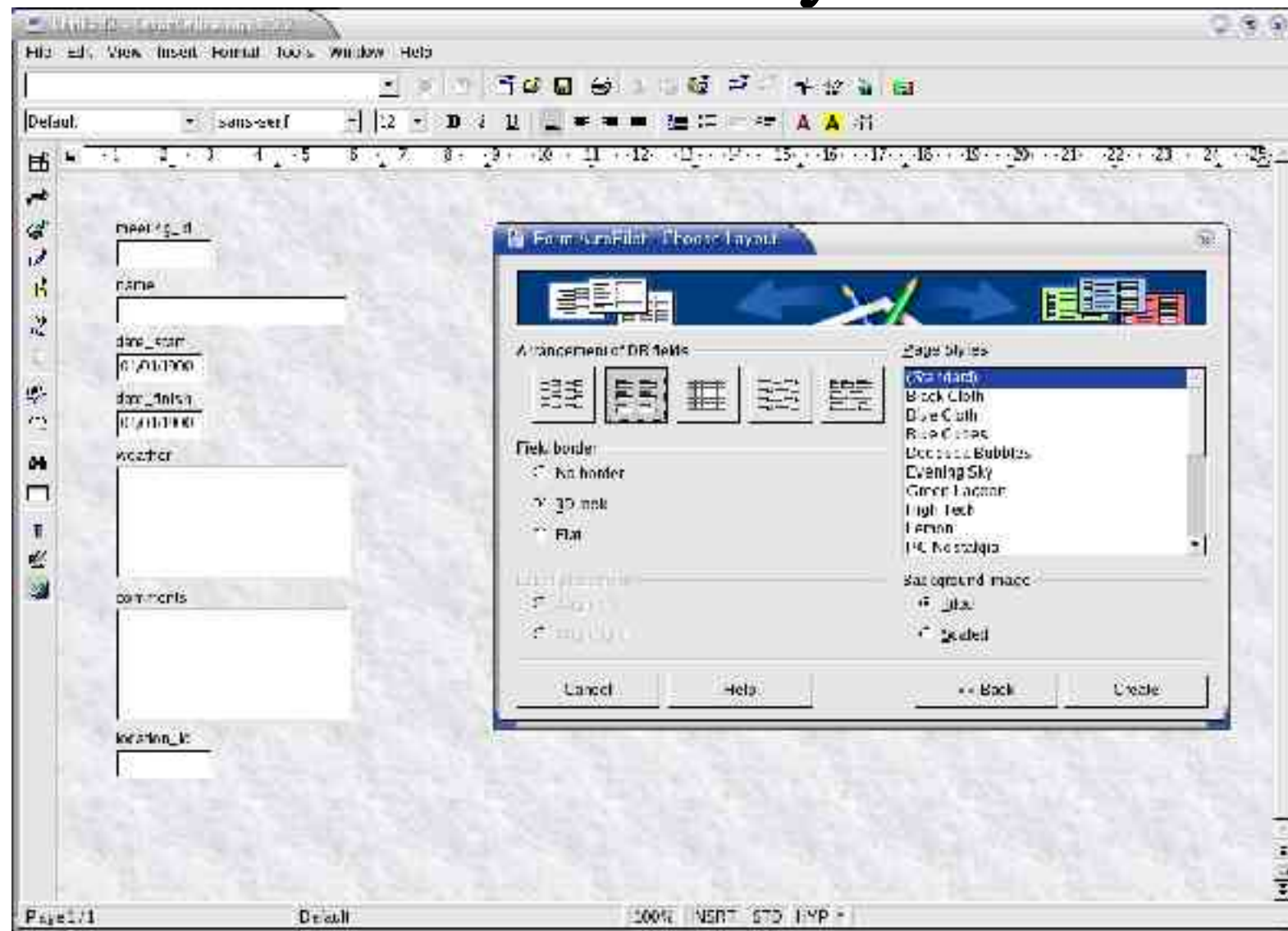
Start a new form



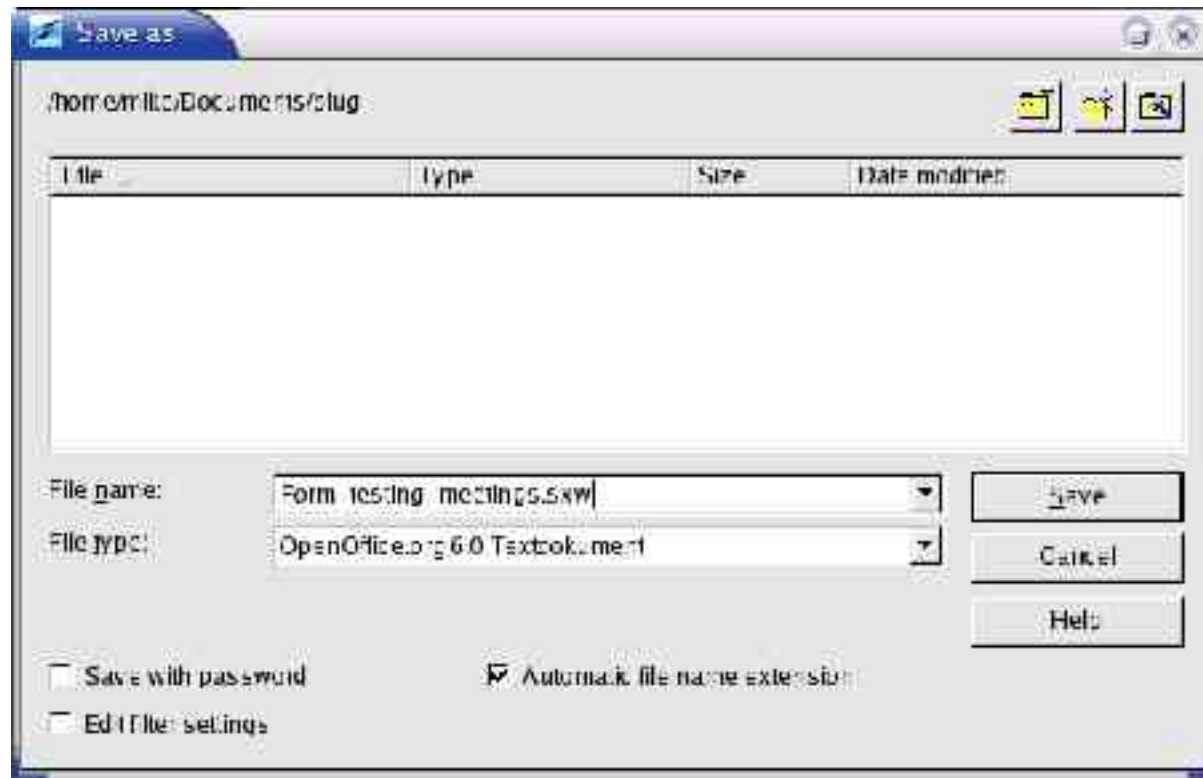
Choose a database and Table



Choose a layout



Save the new form



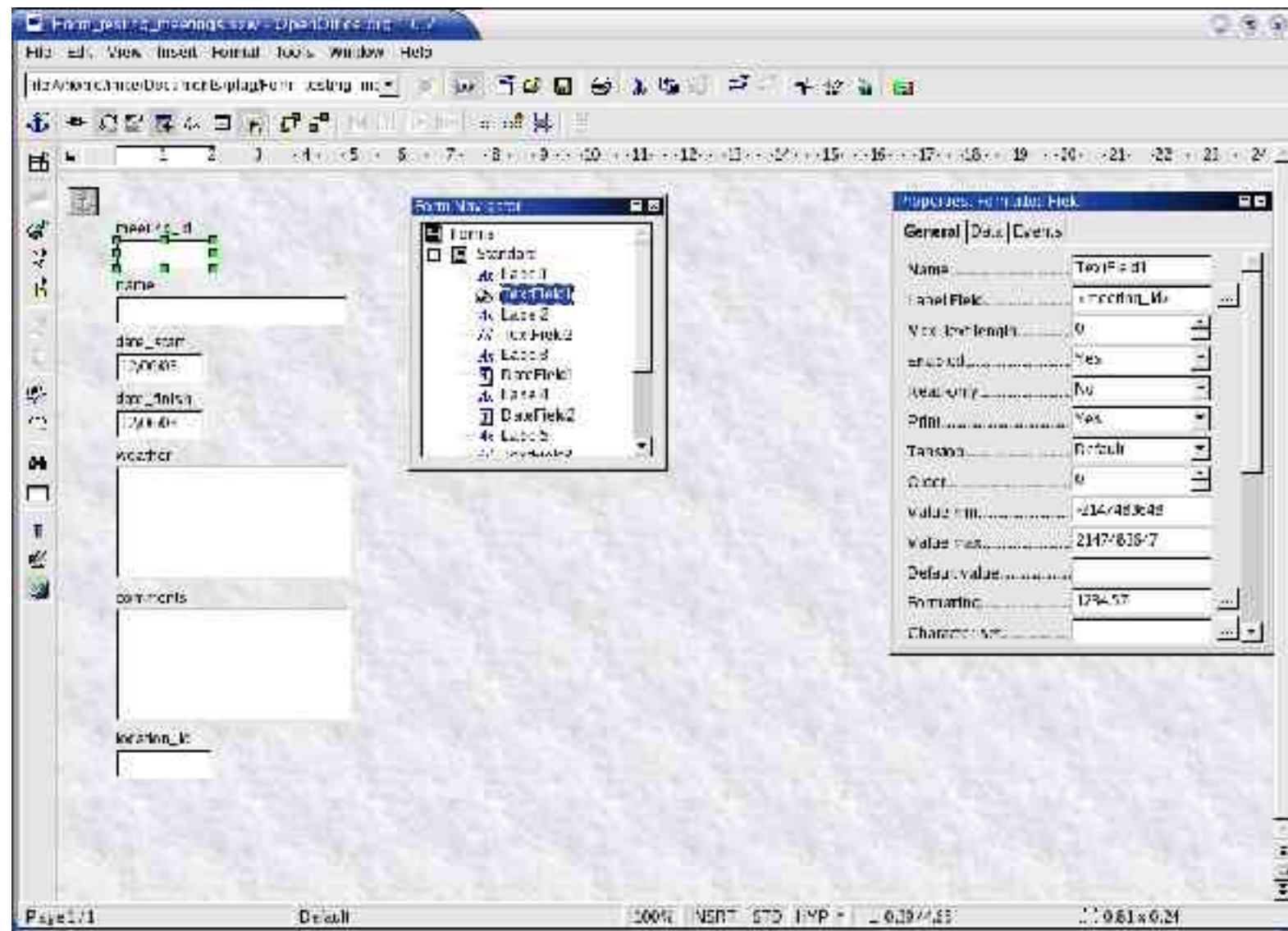
Our new form

The screenshot shows the OpenOffice.org Writer application window. The title bar reads "Form_test_1_3.doc - OpenOffice.org - 3.7". The menu bar includes "File", "Edit", "View", "Insert", "Format", "Tools", "Window", and "Help". The toolbar contains various icons for text formatting and editing. The status bar at the bottom shows "Record 1 of 1", "Page 1/1", "Default", "100%", "VERT", "STD", and "LHP".

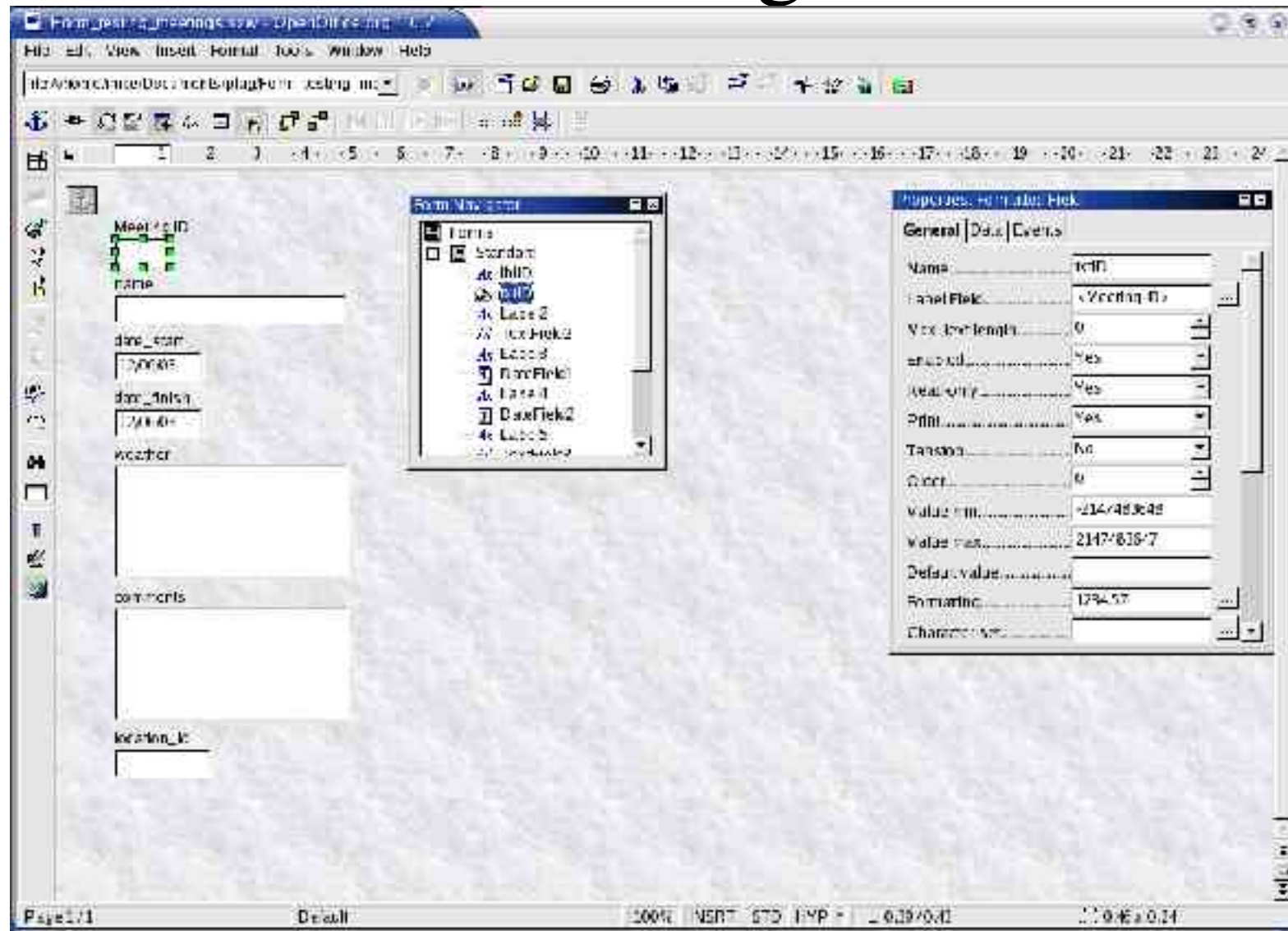
The form content is as follows:

species_id	
name	
date_start	7/7/2013
date_finish	7/7/2013
weather	
time_rain	
comments	Just looking
location_id	

Edit the form



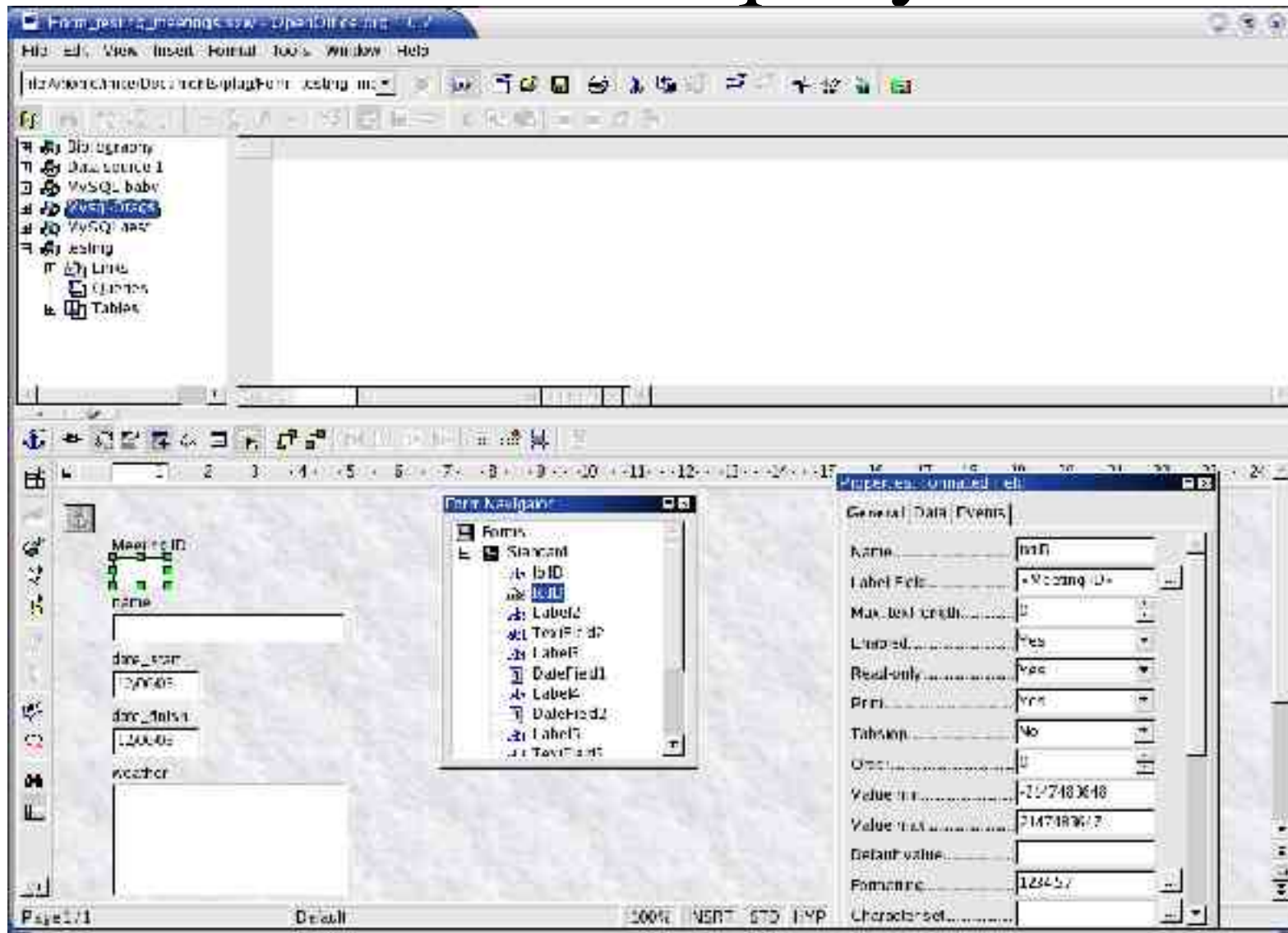
Finished editing ID field



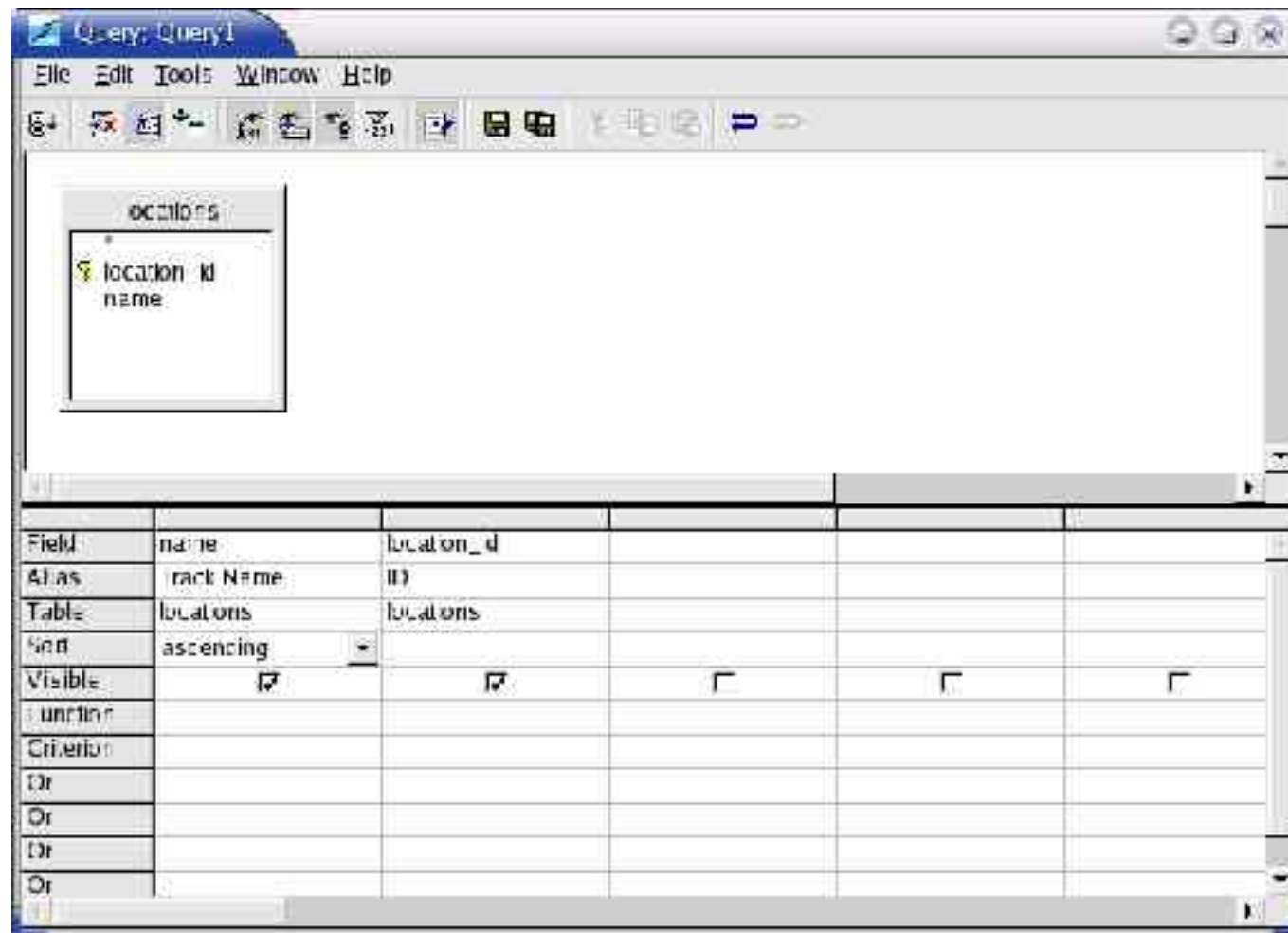
Display Location Name

- Create a query to retrieve name and ID
- Create a list box to show name and link to form
- Hide and disable text box containing Location ID

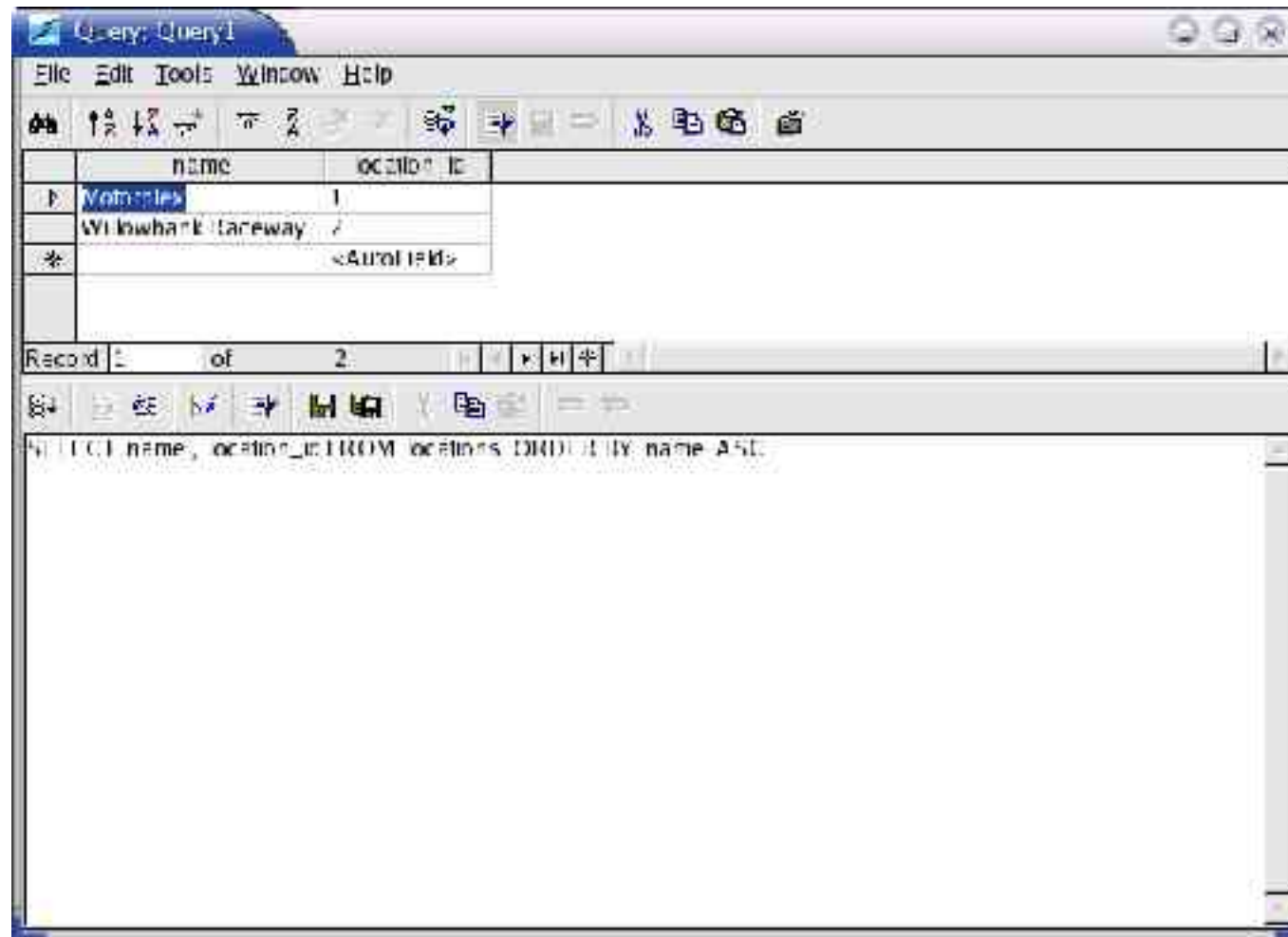
Create a query



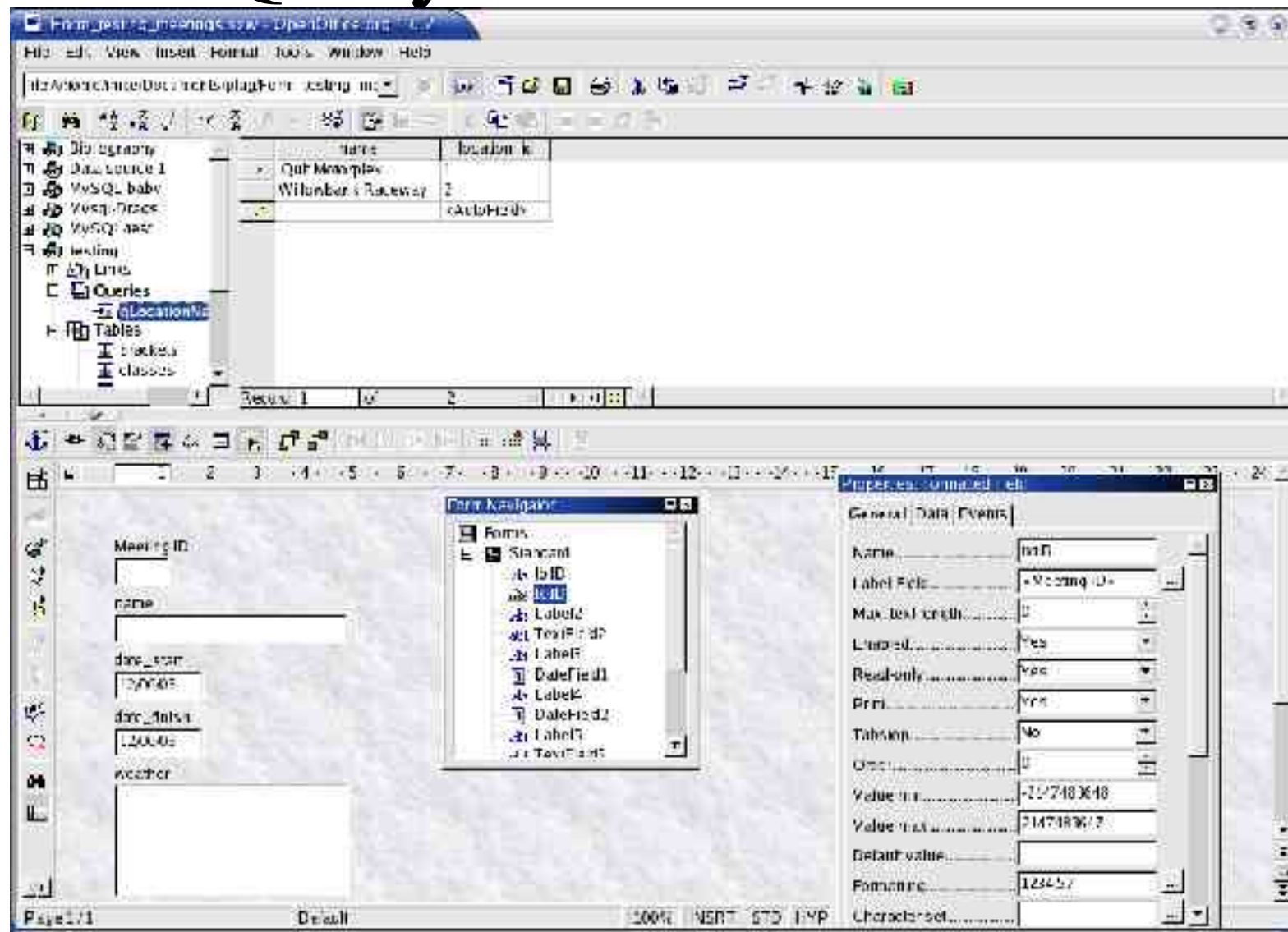
Designing the query



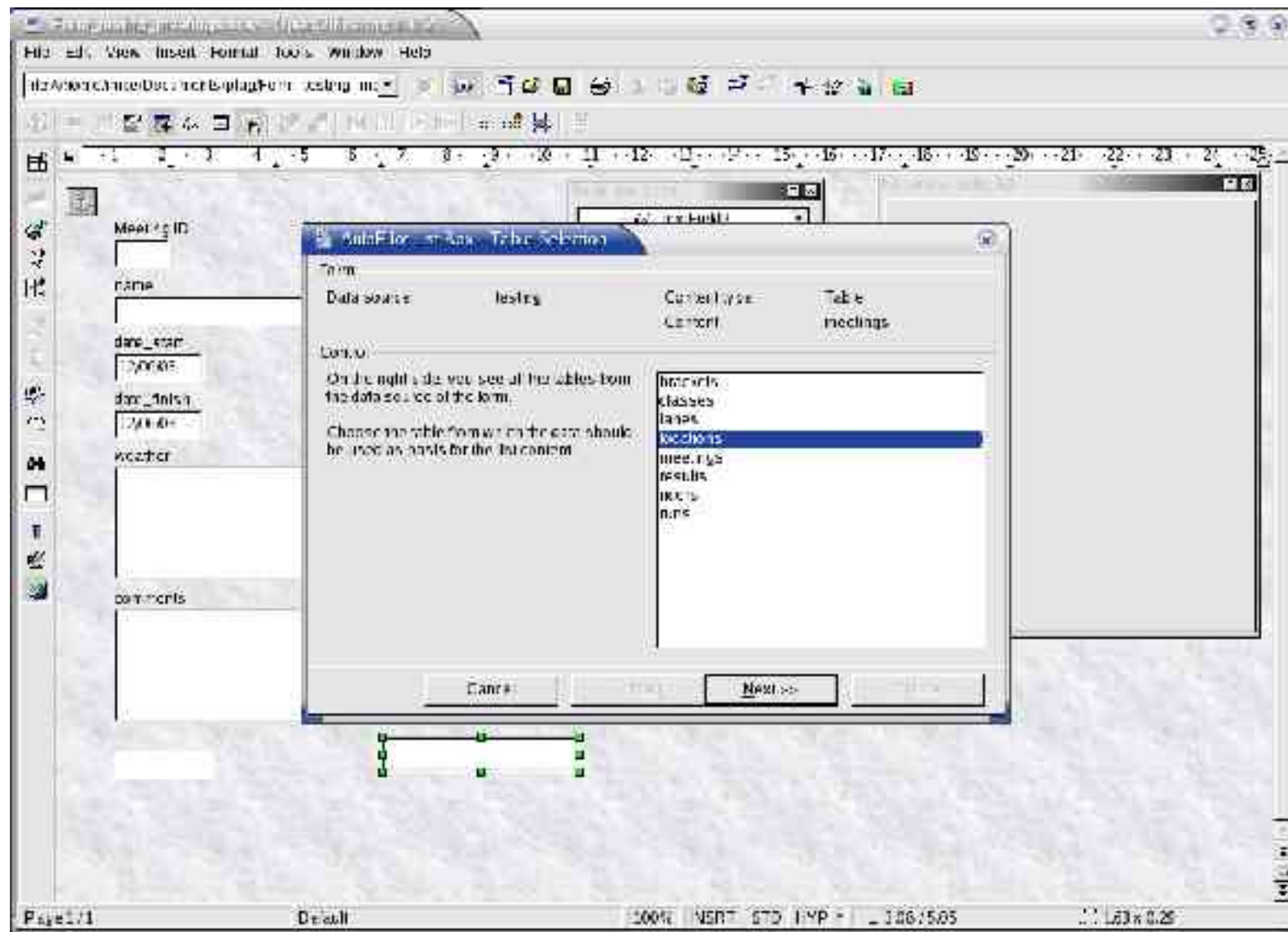
SQL View



Query in Data Sources



Create the list box



Choose the field to display



Choose the link fields

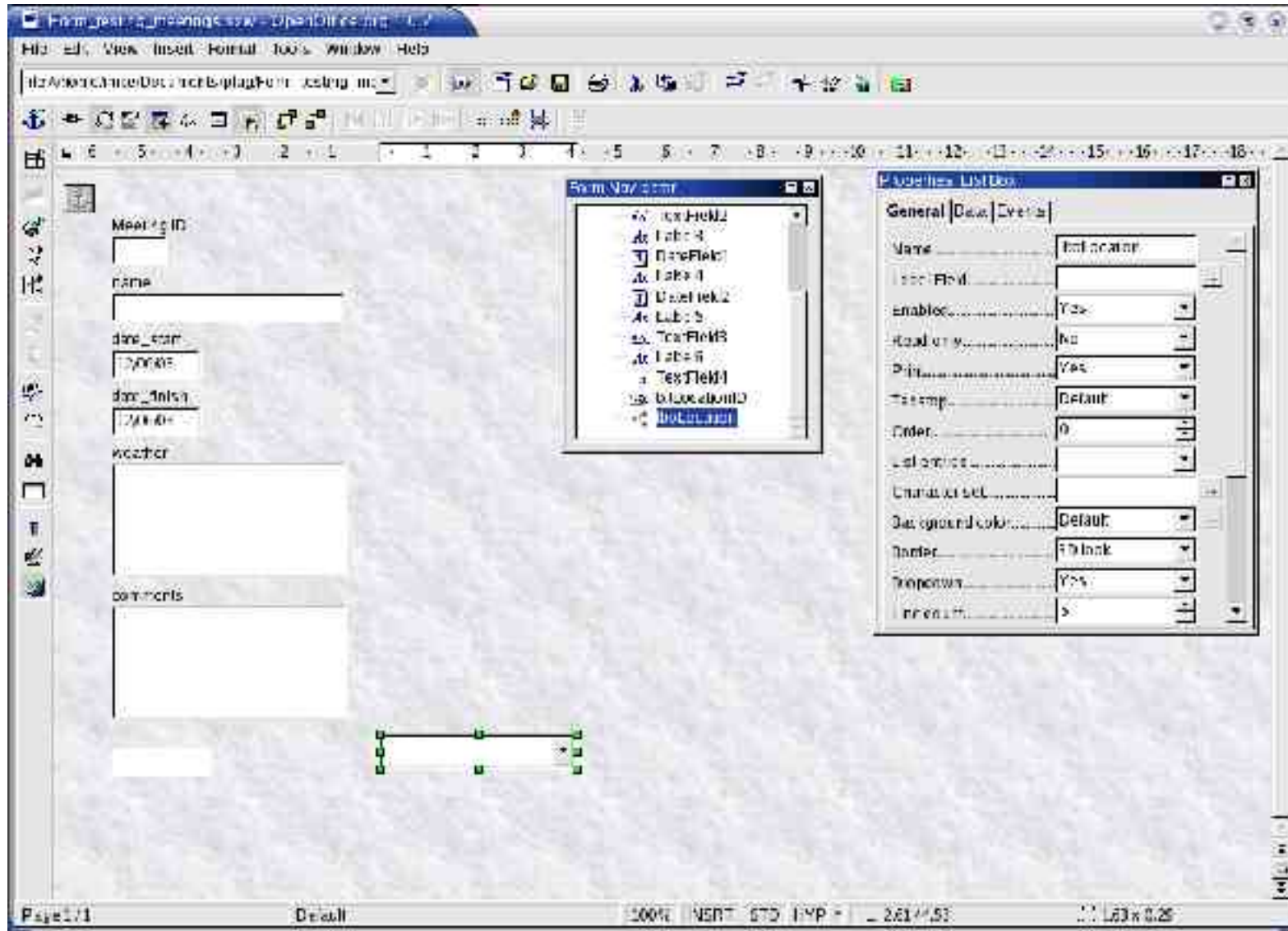
AutoPilot List Box - Field Link

This is where you select fields with matching contents so that the value from the display field will be shown.

Field from the Value Table	Field from the List Table
location_id	location_id
meeting_id	location_id
name	location_id
date_start	name
date_finish	
weather	
comments	
location_id	

Cancel << Back >> Next >> Create

Listbox created and renamed



The finished form

Steps to use MySQL with OpenOffice.org

1. Install MyODBC
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3. Create datasource in OpenOffice.org
4. Create a form
5. Create a master/child form

Master/Detail Forms

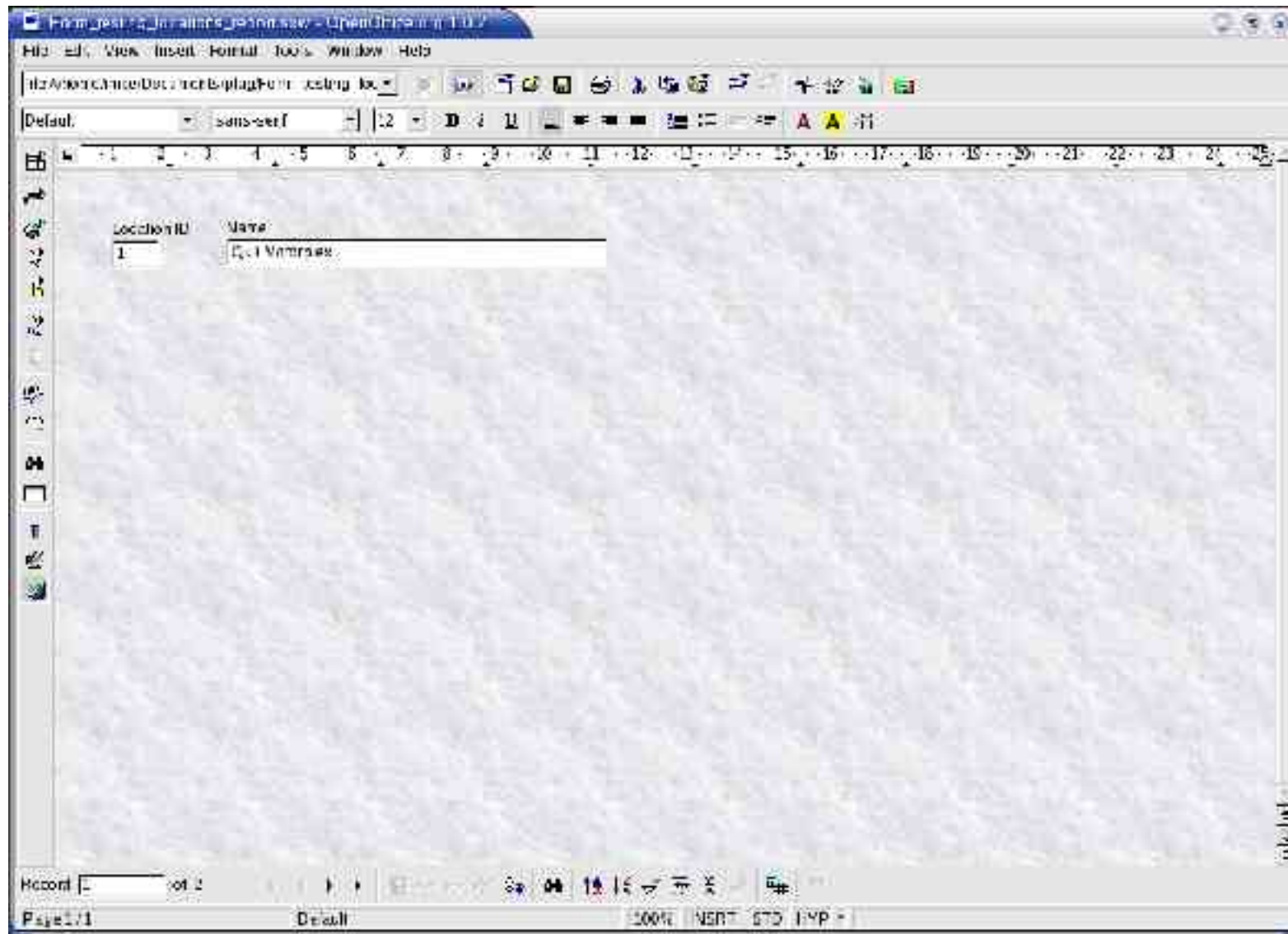
- Run the macro to enable support for parameter queries

Detailed instructions available at

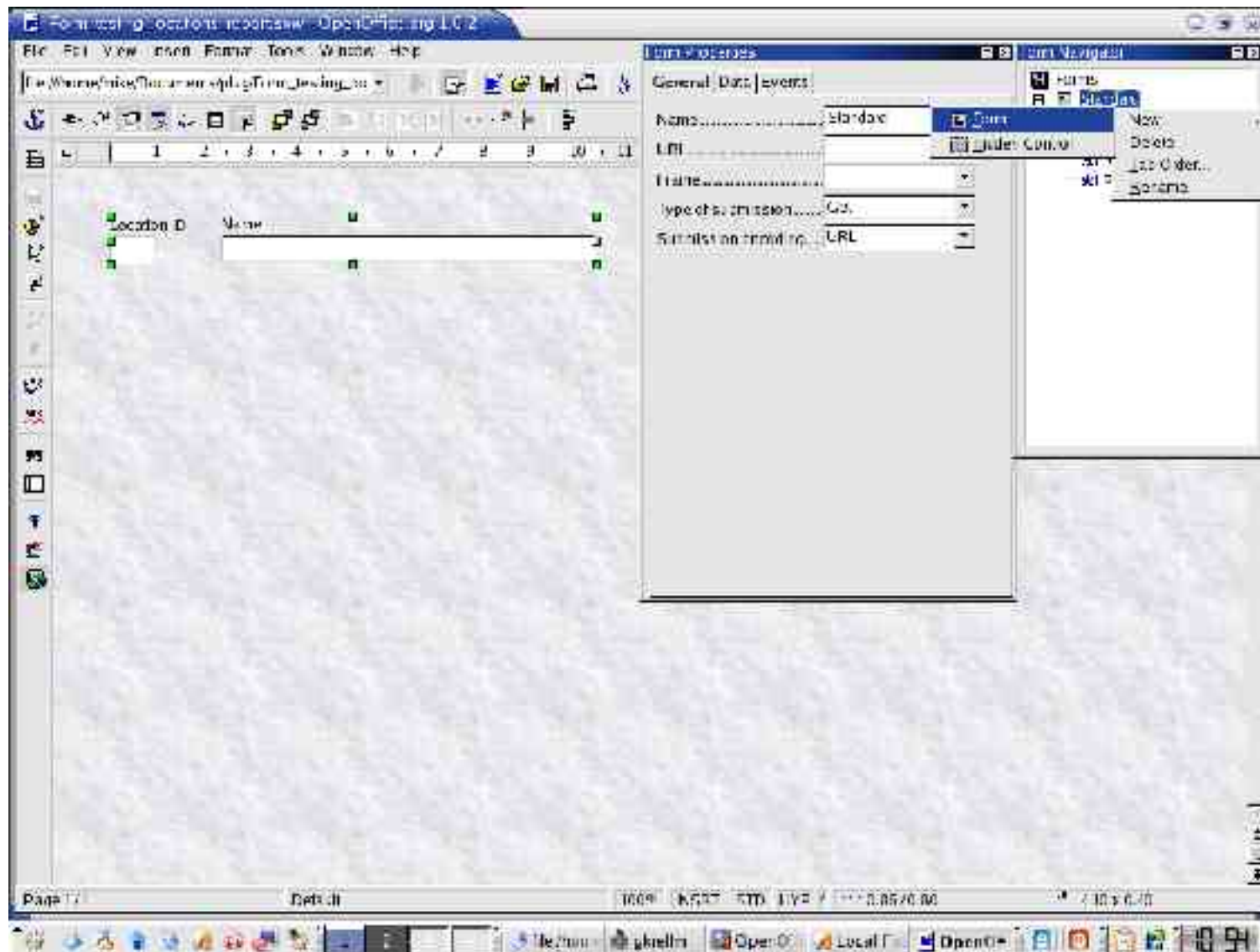
http://documentation.openoffice.org/HOW_TO/index.html

- This link also includes examples of creating a master/detail form

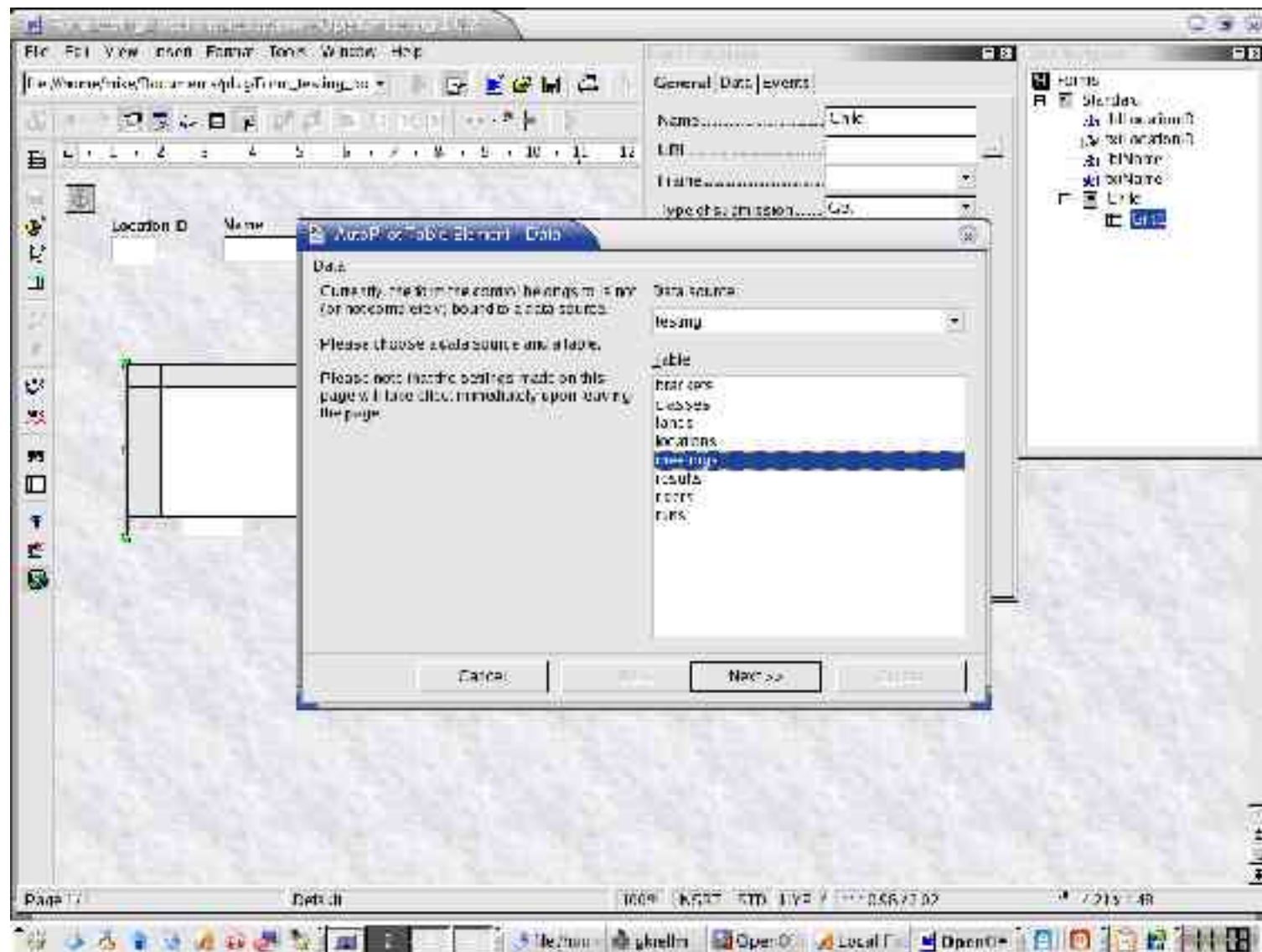
Create the master form



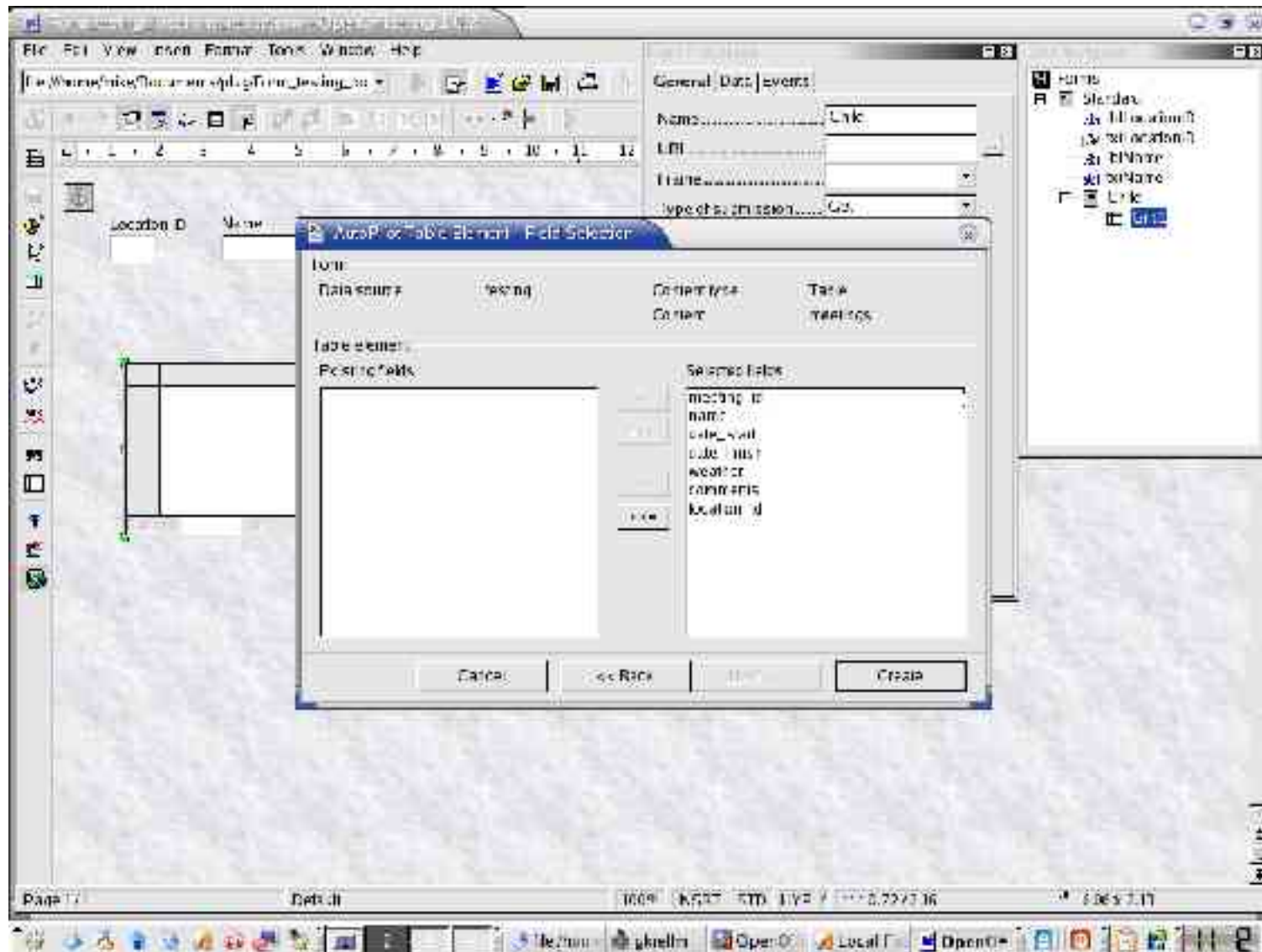
Create the child form



Insert element into child form



Choose fields



The new form

Form titled: g:\options\optionsnew - OpenOffice.org 1.0.2

File Edit View Insert Format Tools Window Help

File: g:\options\optionsnew - OpenOffice.org 1.0.2

Default Sans-serif 12

Location ID: 1 Name: Gub. Meenplex

Feeling id	Name	Valid start	Valid time	weather	Comments	Number
1.00	Feeling 1	22/03/03	22/03/03	Fine m.k.	Just checking	1.00
2.00	Feeling 2	04/04/03	04/04/03	SUS	Maybe	2.00
3.00	Feeling 3	04/04/03	04/04/03	Full and wet	Knights	3.00
4.00	Feeling 4	04/04/03	04/04/03	Cab, mist		4.00
5.00		11/05/03	11/05/03			5.00
6.00		11/05/03	11/05/03			6.00
7.00		11/05/03	11/05/03			7.00
8.00	Test Value	13/06/03	13/06/03	Good	Weather Report	8.00

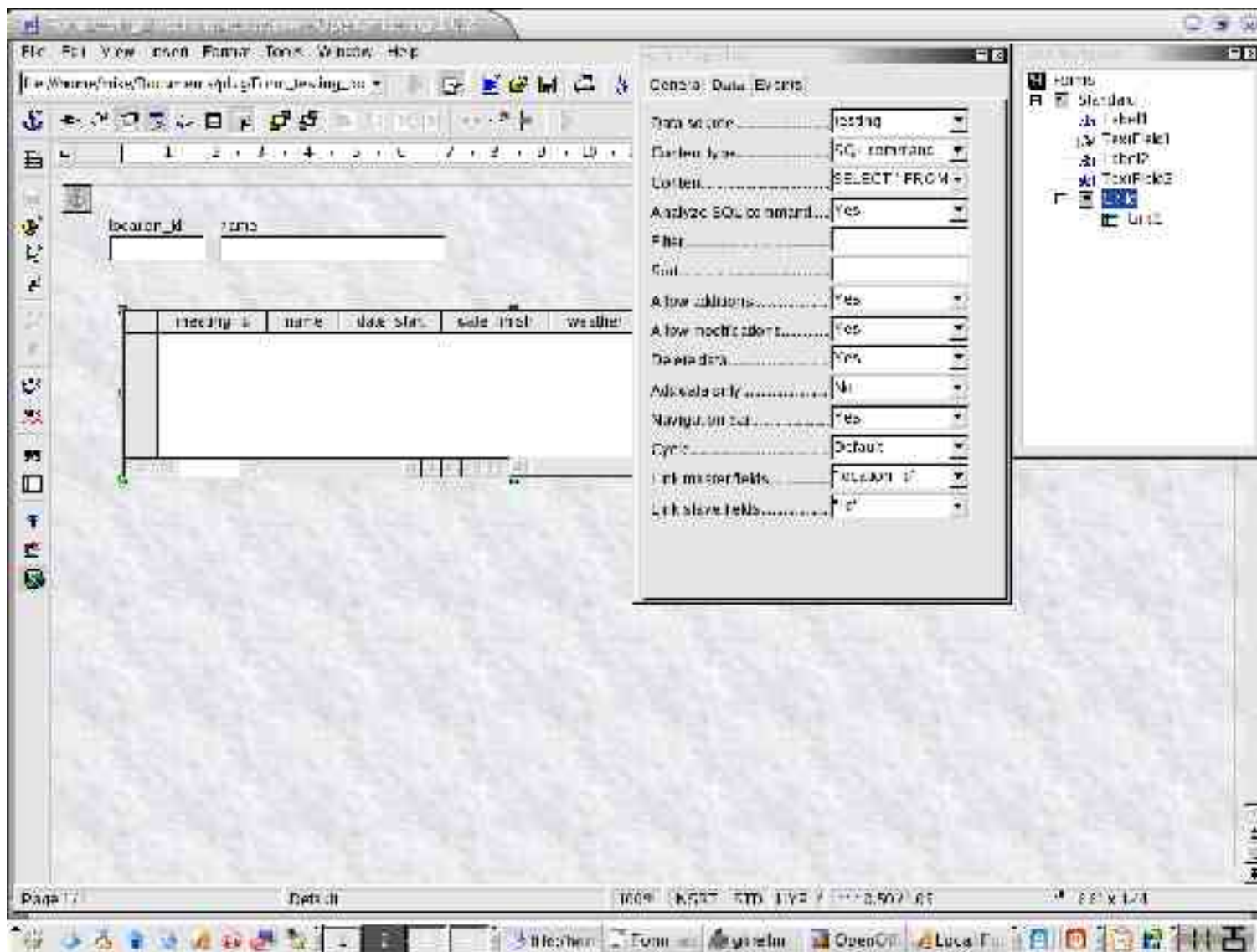
Record 1 of 7

Page 1 of 1

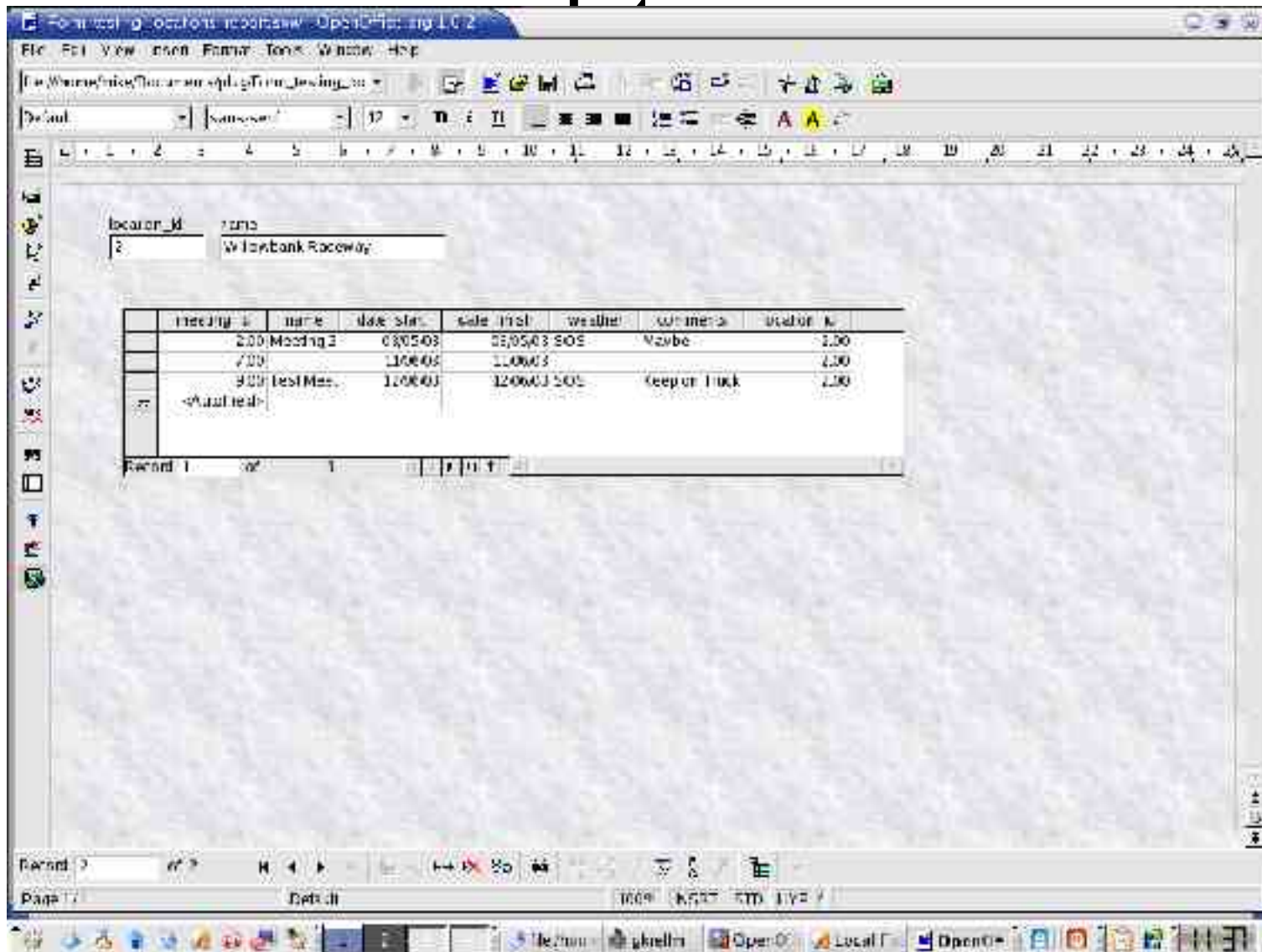
Default 100% (K507) STD 11/2/03

Taskbar: File Manager, g:\options\optionsnew - OpenOffice.org 1.0.2, Local Disk (C:), OpenOffice.org 1.0.2

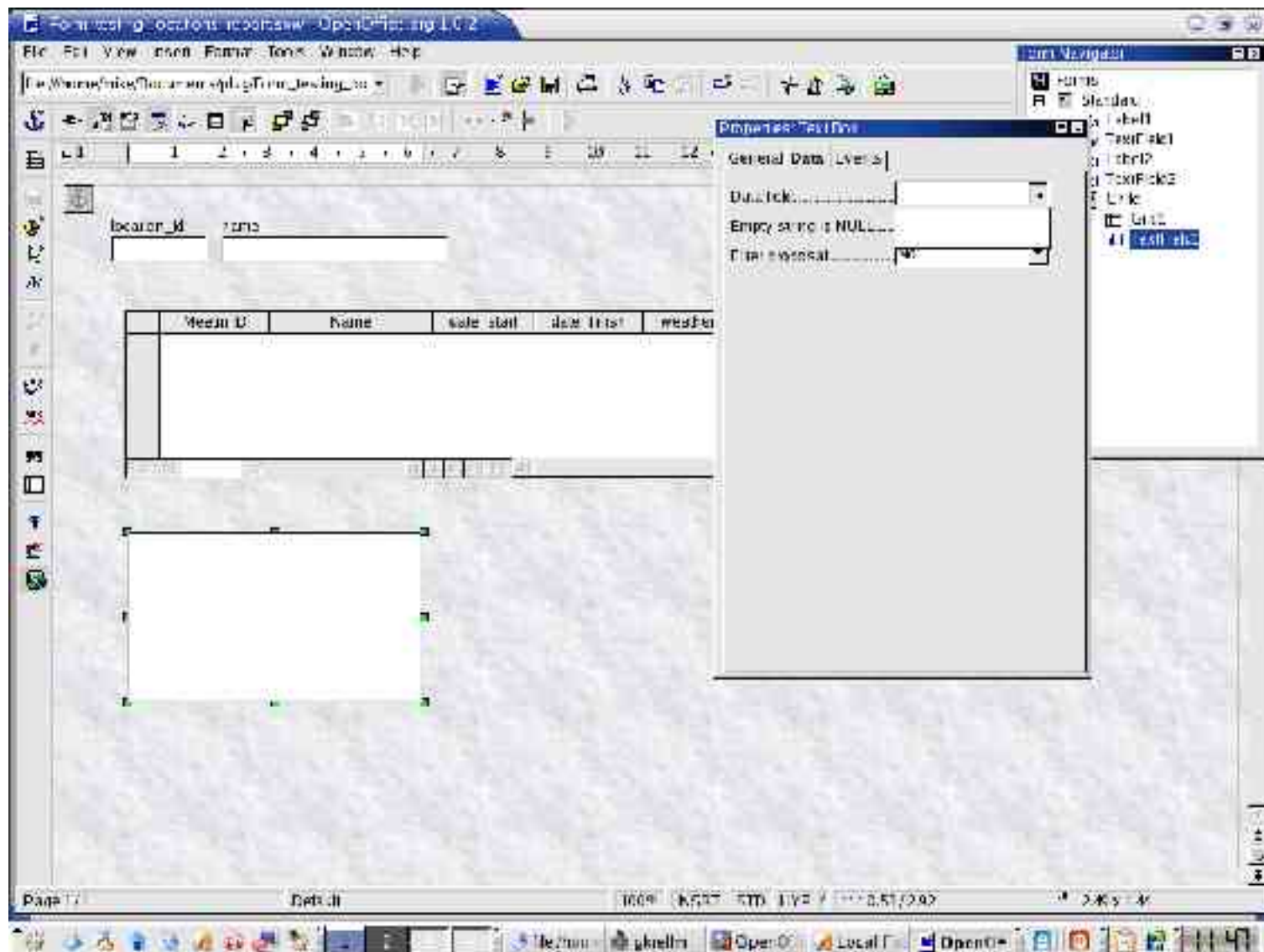
Link the forms



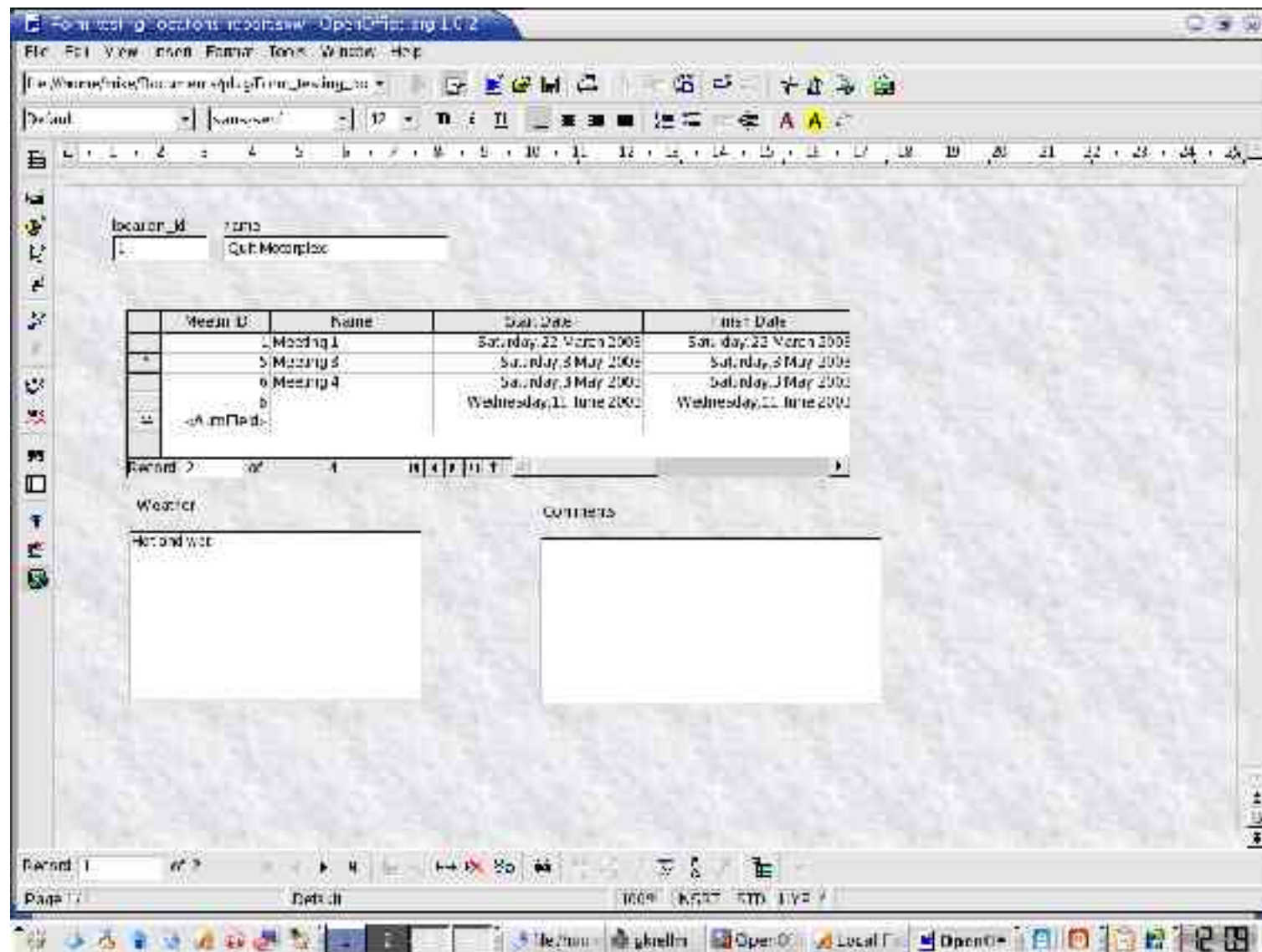
Linked forms displaying selected



Add a text box



The FinalProduct



Future Directions

- The release of OpenOffice.org 1.1 is imminent and with this will come a lot of improvements.
 - Native MySQL driver and improved drivers for other db's may remove need for macro
 - Report wizard – to automate report production
 - Macro recorder which may lift the veil currently covering the macro language
- Various other general upgrades

The End

- This has been a non technical presentation of the sort you may present to users to demonstrate the very basic capabilities of OpenOffice.org
- There are many other elements which may be added to these forms
 - Explore the possibilities
 - Use the macro language (new stuff to learn)
- Remember Windows can do almost as much as Linux