Relationships

Summary

Relationship Type	# of Tables	How to display the relationship on the form.
One-to-one	1 or more	Text boxes
One-to-many	2	Main form with a subform -or- Main form with a drop down.
Many-to-many	3	Main form with a subform and the subform has a drop down.

One-to-many

This is a relationship between records in two tables. The record in the main table may have many corresponding records in the related table. This is often called a parent child relationship because a parent (father) may have many children.
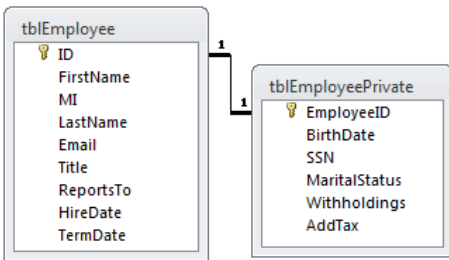
The relationship can be displayed on a form in one of two ways: either from the parent's point of view or from the child's point of view. When displayed from the parent's point of view you will see a main form and either a subform or list box. When displayed from the child's point of view you will see a drop down on the main form.
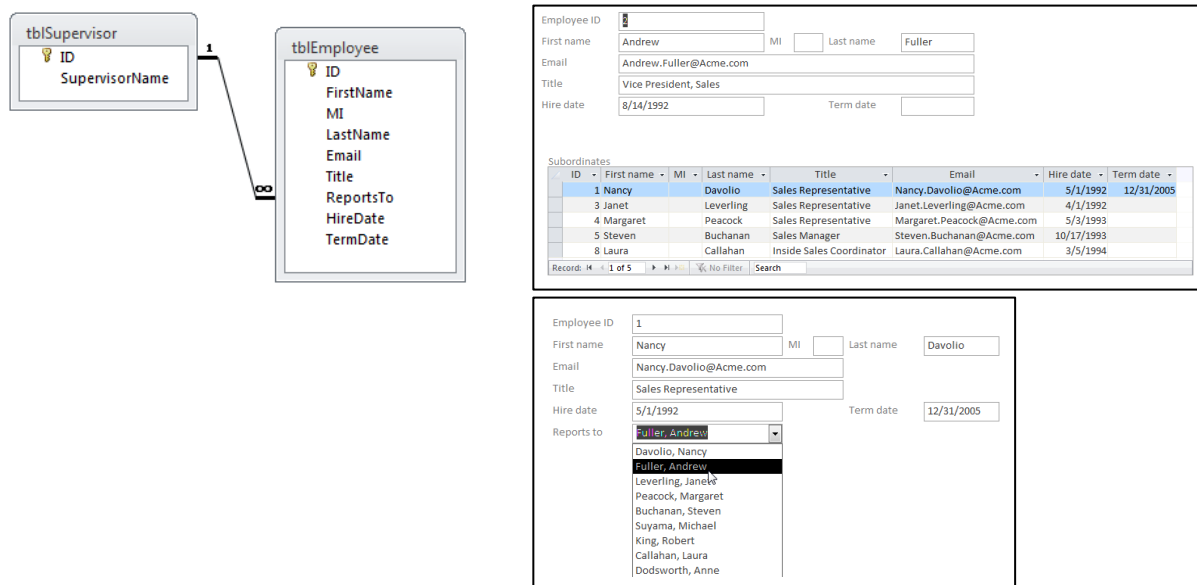
One-to-one

This can be a relationship between records in two tables. The records in one table may have zero or one record in the related table. From a database point of view all the fields from both tables could be combined into one table. However because of business rules they are separated.

When displayed in a form the fields in both tables will appear in text boxes. There will be no drop downs, no list boxes, and no subforms.
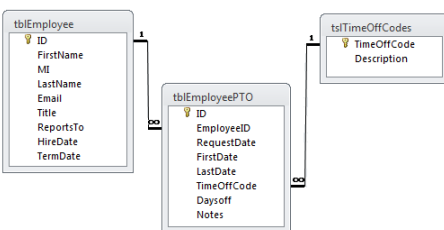
tblEmployee
- ID
- FirstName
- MI
- LastName
- Email
- Title
- ReportsTo
- HireDate
- TermDate

tblEmployeePrivate
- EmployeeID
- BirthDate
- SSN
- MaritalStatus
- Withholdings
- AddTax

Field	Value			
Employee ID	1			
First name	Nancy	MI	Last name	Davolio
Email	Nancy.Davolio@Acme.com			
Title	Sales Representative			
Hire date	5/1/1992		Term date	12/31/2005

Personal Information

Field	Value	Field	Value
Birthdate	2/19/1952	SSN	987-65-4321
Marital status	S	Withholdings	

Many-to-many

This is a relationship between records in three tables. There are two main or parent tables and there is one related or child table between them.

Many-to-many relationships are displayed when a main form has a subform and the subform has a drop down.

tblEmployee
- ID
- FirstName
- MI
- LastName
- Email
- Title
- ReportsTo
- HireDate
- TermDate

tblEmployeePTO
- ID
- EmployeeID
- RequestDate
- FirstDate
- LastDate
- TimeOffCode
- Daysoff
- Notes

tslTimeOffCodes
- TimeOffCode
- Description

Field	Value			
Employee ID	1			
First name	Nancy	MI	Last name	Davolio
Email	Nancy.Davolio@Acme.com			
Title	Sales Representative			
Hire date	5/1/1992		Term date	12/31/2005

Paid Time Off

First Date	Last Date	Time Off Code	Request Date
Mon 03-Jul-2006	Fri 07-Jul-2006	Vacation	Mon 19-Jun-2006
Fri 08-Jul-2005	Tue 19-Jul-2005	Sick	Mon 20-Jun-2005
Thu 23-Dec-2004	Sun 02-Jan-2005	Vacation	Tue 30-Nov-2004
Fri 19-Dec-2003	Mon 22-Dec-2003	Personal Leave	Tue 09-Dec-2003
Thu 05-Dec-2002	Sun 15-Dec-2002	Vacation	Mon 02-Dec-2002

Personal Leave
Sick
Vacation

Record: 5 of 5 — No Filter