

# TableView

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## Overview

This example shows how you can define a DBTableView and a DBModule programmatically instead of using the corresponding Interface Builder UI Objects . It also shows how you can change the sort order every time the columns in the tableview are rearranged. The sort property is determined by the identifiers of the tableview columns.

## Important Note

You need to have access to either a Sybase server with a pubs database, or an Oracle server with an OracleDemo database in order to run this example.

For Version 3.0: You need to install the SybaseDemo.dbmodel or the OracleDemo.dbmodel into your ~/Library/Databases directory. These files are available under /NextDeveloper/Examples/DatabaseKit/Models.

For Version 3.1: The SybaseDemo.dbmodela file in this project directory will be converted to a .dbmodel file at compile time, and you'll be using it instead of the SybaseDemo.dbmodel stored in your ~/Library/Databases directory. For Oracle users, the file OracleDemo.dbmodela will be used.

## Program Organization

### Major Classes in the Application

TableViewController            A general manager object. A subclass of the Object class. Performs miscellaneous initializations for the DBModule and DBTableView objects.

### Other Peculiarities

In order to load an Adaptor dynamically, you need to add the **OTHER\_LDFLAGS** definition (see the **Makefile.preamble**). You also need to add the **libdbkit\_s.a** library into your **PB.project** under **libraries** in order to use the DBKit API. Note that you will get a compiler *warning: method 'getProperties' not implemented by protocol* that you can ignore. This method was needed to retrieve attributes from a one-to-one relationship.

### Topics Of Interest

- **How to get all the attributes from an entity and the sub-attributes that belongs to a one-to-one relationship of that same entity**

See the method **initWithTableView:** in the file TableViewController.m.

- **How to make a fetchgroup become the datasource of the tableview by using the method makeAssociationFrom:**

See the method **initWithTableView:** in the file TableViewController.m

- **How to replicate the IB connections to a tableview by using DBExpressions**

See the method **addTableColumn** in the file TableViewController.m

### Change History

August 1992            Created for 3.0 Gold

July 1993             Updated for 3.1