DataPhile   by Stone Design

DataPhile is a sophisticated end user database system for the NeXT computer. It is designed for people who need a flexible everyday database, without the complexities of a rigid, relational database. Using **DataPhile**'s intuitive front end, anyone can build and manage a personal flat-file database, modifying it and generating reports easily and at any time. **DataPhile** also comes with a number of useful templates databases so you can begin using it right out of the box. **DataPhile** requires no additional servers: it stands alone and uses state of the art btree technology, so that the system works quickly and seamlessly.

Defining the Database: The user creates fields using a simple interface that allows specification of field type and various entry options and constraints. Field types include text, rich text, value, date, money, yes/no/empty, picture, and sound and a unique file field that allows the user to drop in and access any type of document or application. Entry options include default values, ranges, sequences, and entry lists. The user can have any number of fields and can add, modify, or delete fields at any time, without losing data.

Viewing the Data: **DataPhile** creates a default view so that the user can begin entering data immediately. The user can also use sophisticated layout tools to design views that include fields, labels, and graphic elements. Layout tools included drawing tools, grids, rulers, and alignment controls. Views can contain one record at a time or multiple records. The user can use several views on the same database at the same time. Any view can become the default view that is displayed whenever the database is opened. A view browser lets the user select, name, and add comment to views.

Entering Data: If the user has data from another source in a text format, **DataPhile** will automatically create a new database from that information. **DataPhile** can also import data into an existing database, and provides a simple interface for matching fields. The user can also use the Services menu to import data from another application. For manual data entry, **DataPhile** provides default values, entry lists and user-specified tab orders. Pictures and sounds can be dragged in as icons from the workspace, copied in from the pasteboard or specified as a default entry. Other files or applications can also be dropped into a file field or set as a default.

Sorting and Finding Information: **DataPhile** keeps indices on fields (this is user-specifiable) so that sorting and finding information is fast. Sort and Find requests can also be saved across using sessions.

Interapplication Connectivity: Records can be pasted into other applications as tab-delimited text. The database can be exported as text and as RTF-text, Lotus IMPROV format, or for merging into WriteNow and WordPerfect. **DataPhile** and **Create** (a graphics package by Stone Design) work together to provide a database for graphics. Images designed in Create can be pasted into a picture field in **DataPhile** and later retrieved and pasted back into a Create document for further editing.

Miscellaneous: The user can add voice annotations to any record. The program is multilingual and supports European data and money formats.

DataPhile has a suggested North American retail price of $695 and is available directly from Stone Design, 2425 Teodoro NW, Albuquerque, NM 87107. Phone: 505-345-4800, Fax: 505-345-3424, Email: info@stone.com

DataPhile Technical info:

File Size: Limited only by disk space
Disk space: Limited only by disk space
Number of files open simultaneously: Unlimited
Number of records per file: Limited only by disk space
Number of fields per record: Limited only by disk space
Indexed Fields per file: User can specify whether all fields are indexed by default, or can specify which fields should be indexed.
Number of sort levels: Limited only by disk space
Length of field name: Limited only by disk space
Field types: Text, Rich Text formatted, Value, Date, Money, Yes/No/Empty, Picture, Sound, Calculated Text, File Links.
Text and RTF Fields: Number of characters limited only by disk space

Calculation Operators: +,-,*,/,&,=, !=, >, <, >=, <=, and, or, not
Calculation Functions: Absolute value, arctangent, cosine, date, dateToText, dateUpdated, day, dayOfWeek, degrees, exact, exp, fileName, futureValue, if, initialCaps, int, isEmpty, left, length, ln, log, lower, middle, mod, month, monthOfYear, numToText, payment, PI, position, presentValue, random, radians, replace, right, round, sign, sine, squareRoot, tangent, textTodate, textToNum, today, trim, trunc, upper, weekOfYear, and year.
Numeric Formats: Commas, specified number of decimal digits
Money Formats: Monetary sign, Commas, European
Numeric Precision: NeXT floating point
Range of Dates: 1/1/1900 BC - 12/31/2900 AD
Date Formats: Several, including European
Number of Layouts Per Database: Limited only by disk space
Record Size: Limited only by disk space
Field Size: Limited only by disk space
View Parts: Header, Footer, Record
Size of View Parts: Limited by view size
File formats for input: DataPhile file, Text file (user specified delimiters)
File formats for output: Text file (user specified delimiters), RTF, Lotus Improv, WriteNow, WordPerfect
Find Criteria: Word prefix, empty, <, <=, >, >=, range, and, or, not