

Interpreter

COWSInterpreter.h

The central COWS object. Interprets COWS programs and scripts.

Controller

COWSController.h

Automatically sets up and runs Interpreters

Library

COWSLibrary.h

The basis for a variety of function libraries adding abilities to COWS.

Dictionary

<HashTable.h>

Stores String and Library Function Nodes hashed by string value. Used only inside an interpreter.

User Controller

COWSUserController.h

Allows the user to easily start up and run an interpreter.

Other Libraries

Libraries include...

- COWSMathLibrary.h
- COWSArrayLibrary.h
- COWSIPCLibrary.h
- COWSStringLibrary.h
- COWSSystemLibrary.h

- COWSRadio.h
- COWSSplitter.h
- COWSControlInterface.h

- COWSExtendedMathLibrary.h
- COWSObjectLibrary.h

Standard Library

COWSStandardLibrary.h

In addition, applications may provide unique libraries for application-specific work or access to their APIs.

Also part of COWS is Mac.app, an application compliant with the COWSIPCLibrary that allows COWS programs to control normal, non-COWS-compliant NeXTSTEP applications.

Stack

COWSStack.h

Stores String, State, and Symbol nodes. Used only inside an Interpreter.

Control Panel

COWSControlPanel.h

Used in conjunction with a User Controller to provide an interface for users to control a COWS Interpreter.

Argument List

COWSArgumentList.h

Stores String nodes to pass to library functions as arguments.

Node

COWSNode.h

The basis of a variety of data storage objects in COWS.

Protocols

COWSProtocols.h

Protocols adhered to by these objects to allow them to inter-communicate

String Node

COWSStringNode.h

Stores globals, values, function text, and program text.

Library Function Node

COWSStateNode.h

Stores library functions.

State Node

COWSStateNode.h

Stores state of current function, including local variable dictionary, arguments, and function string and position.

Symbol Node

COWSSymbolNode.h

Stores symbols, with some special provisions for special forms.

COWS Object Hierarchy

COWS 1.4, Sean Luke, May 29, 1994