

Website Design for Digital Archives

Scott DeLoach





Overview

- What is being archived on the Web?
- Advantages
- Disadvantages
- Design issues and examples
- Future possibilities for digital archives



What is being archived on the Web?

- public records and historical documents
- reference materials – dictionaries, encyclopedias
- library holdings ("card catalogs")
- family histories
- everything! – google.com can search over 1 billion web pages (current count is 2.5 billion pages)



Why create Web-based digital archives?

“Unless we remember we cannot understand.”

- E. M. Forster, author of A Room with a View

- accessibility
- speed to find
- security of original work
- preservation
- low cost to maintain



Disadvantages of digital archives

- high cost to create
- security
- lower income generation versus museum
- harder to “browse”



Design issues

- multiple languages
- different search methods
- abstracts
- printing
- “premium content” for members
- multimedia



Multiple languages: Altavista.com

- Audience - English-speaking users
- Features
 - translate typed text or entire pages
 - online keypad for entering non-English characters

Multiple languages: Altavista.com

alta vista: Search | Comparison Shop | Channel

Welcome [Sign Up!](#) | [Sign In](#) | [Member Benefits](#)

World

World Home | **Regions** | Message Boards

AltaVista Search
Find this:

in this language:
English

World Regions
[Africa](#)
[Asia and the Pacific](#)
[Europe](#)
[Russia and the Newly Independent States](#)
[The Americas](#)
[The Middle East and North Africa](#)

Translate Anything Powered by **SYSTRAN** TRANSLATION SOFTWARE

Text Enter text for translation:

Website Or enter the Web Address of the page you wish to translate:

Translate from English to Spanish

[World Keyboard](#)
[How to use Babel Fish](#)
Original story of the Babel Fish

Support for "special characters"

Translates Web pages or text



Different search methods: IMDB.com

- Audience - movie lovers
- Features
 - multiple search methods
 - combination searches
 - Boolean search strings

Different search methods: IMDB.com

The screenshot displays the IMDB.com homepage with a navigation bar at the top containing links like 'Personalize', 'NOW PLAYING', 'MOVIE/TV NEWS', 'MY MOVIES', 'FUN & GAMES', 'MESSAGE BOARDS', 'U.S. MOVIE SHOWTIMES', and 'HELP & GUIDE'. Below this is a yellow banner with 'Also Available' and links to 'Top Movies', 'Photo Galleries', 'IMDb Recommends', 'Browse IMDb', and 'Independent Film'. The main content area is divided into a left sidebar and a right main section. The sidebar includes a search box with a dropdown set to 'All' and a 'Go!' button, followed by 'Popular Searches' (main search page, power search, complex title search, complex name search, complex character search), 'Advanced Searches' (people working together, common cast/crew, word searches), 'Extra Content' (browsable sections), and an 'Advertisement' section. The main section features the heading 'Search the Internet Movie Database' and a link to 'Search central'. It lists four search methods: 'Movie / TV Title Search' with a text input, a dropdown for 'Movies and TV', and a 'Go!' button; 'Cast / Crew Name Search' with a text input, a dropdown for 'All professions', and a 'Go!' button; and 'Character Name Search' with a text input, a dropdown for 'male', and a 'Go!' button.

Combination searches



Thumbnails and abstracts: AJC.com

- Audience - local newspaper readers
- Features
 - includes most articles from last 10 years
 - date sorting
 - search can be limited by section of paper, author, and length

Abstracts: AJC.com

The Atlanta Journal-Constitution
ajc.com

[today's paper](#) [ajc classifieds](#) [subscriber services](#) [AccessAtlanta](#)

HOME SPECIAL REPORTS TODAY'S READ NEWS@TLANTA BIZ@TLANTA X-SITE LOOK IT UP PHOTOS

[about Stacks](#)
[search tips](#)
[customer service](#)
[fees](#)

The Stacks

ONLINE ARCHIVES

returned: 25 displays of 75+ matches
To display more matches or to narrow your results, revise your search.
current search: coca-cola
[start a new search](#) | [StacksTracker](#)
(Note: Documents do not include photos or graphics. Maximum number of stories returned is 150.)

Coke reportedly in talks to buy maker of bottled coffee
Author: Henry Unger, STAFF **Date:** 11-28-2000 **Publication:**
The Atlanta Journal and Constitution **Page Number:** F; 3 **Word**
Count: 450 **Relevancy:** 88

Coca-Cola may expand its beverage portfolio by getting into the bottled coffee business in the United States. The Atlanta-based beverage giant is reportedly in talks to acquire Planet Java, a cold bottled coffee brand that Coke's largest bottler has

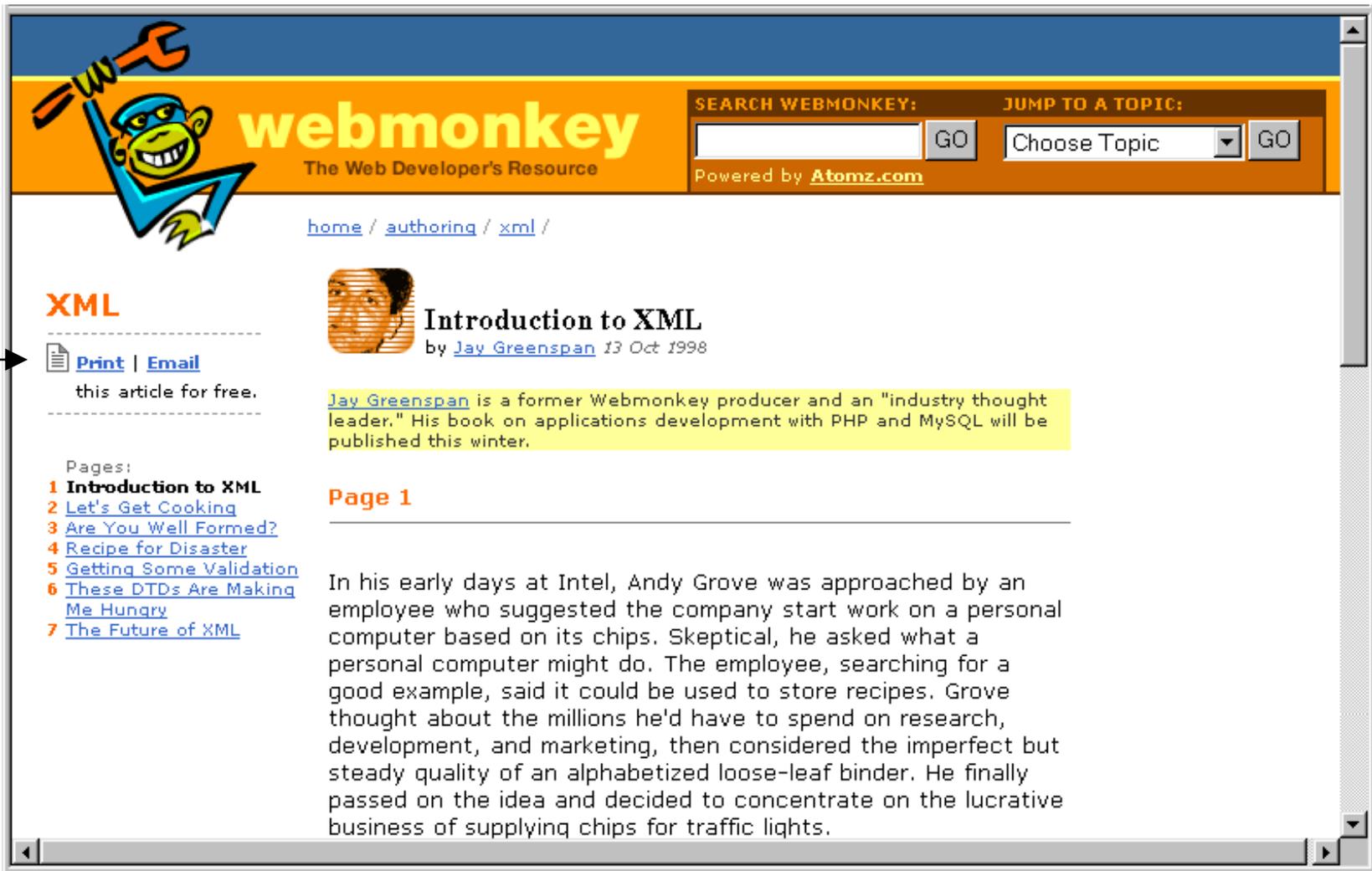
Article abstract



Printing: WebMonkey.com

- Audience - programmers
- Features
 - article summaries
 - formats for computer screens, handhelds, print, and email
 - articles divided into pages for ease of reading
 - simple link to email article

Printing: WebMonkey.com



The screenshot shows the WebMonkey website interface. At the top left is the WebMonkey logo, a cartoon monkey holding a wrench. The main header features the text "webmonkey" in a large, bold, yellow font, with "The Web Developer's Resource" underneath. To the right of the header is a search bar labeled "SEARCH WEBMONKEY:" and a "JUMP TO A TOPIC:" dropdown menu. Below the search bar is a text input field and a "GO" button. The "JUMP TO A TOPIC:" dropdown has "Choose Topic" selected and a "GO" button. Below the header is a navigation breadcrumb: "home / [authoring](#) / [xml](#) /".

The main content area is titled "XML" in a large, bold, orange font. Below this title are two links: "Print" and "Email". Underneath these links is the text "this article for free." followed by a dashed line. Below the dashed line is a list of links under the heading "Pages:". The list contains seven items, each with a number and a link: "1 [Introduction to XML](#)", "2 [Let's Get Cooking](#)", "3 [Are You Well Formed?](#)", "4 [Recipe for Disaster](#)", "5 [Getting Some Validation](#)", "6 [These DTDs Are Making Me Hungry](#)", and "7 [The Future of XML](#)".

To the right of the "XML" title is a small portrait of Jay Greenspan. Below the portrait is the article title "Introduction to XML" in a bold black font, followed by "by [Jay Greenspan](#) 13 Oct 1998". Below the author information is a yellow highlighted box containing the text: "Jay Greenspan is a former Webmonkey producer and an 'industry thought leader.' His book on applications development with PHP and MySQL will be published this winter."

Below the highlighted box is the heading "Page 1" in a bold orange font. Below this heading is a horizontal line. Below the line is the main text of the article, which begins with "In his early days at Intel, Andy Grove was approached by an employee who suggested the company start work on a personal computer based on its chips. Skeptical, he asked what a personal computer might do. The employee, searching for a good example, said it could be used to store recipes. Grove thought about the millions he'd have to spend on research, development, and marketing, then considered the imperfect but steady quality of an alphabetized loose-leaf binder. He finally passed on the idea and decided to concentrate on the lucrative business of supplying chips for traffic lights."

Special "printer-friendly" stylesheet



Premium content: MSDN.com

- Audience - programmers
- Features
 - advanced search tools
 - simple TOC
 - icons for premium and non-Microsoft content

Premium Content: MSDN.com (Microsoft)

The screenshot shows the MSDN XML Developer Center website. At the top, there's a navigation bar with links: 'All Products | Support | Search | microsoft.com Guide'. The main header includes the 'XML Extensible Markup Language Developer Center' logo and the 'Microsoft' logo. Below the header is a secondary navigation bar: 'Home | Magazines | Libraries | Developer Centers | Resources | Downloads | Search MSDN |'. A blue banner below that says 'Welcome to the XML Developer Center' and 'Last Updated: November 17'. The main content area is divided into several sections. On the left is a sidebar with a list of links: 'XML SDK Documentation', 'Other XML Technical Information', 'XML Code Samples', 'XML Downloads', 'XML Newsgroups', 'XML Chats', 'XML Peer Journal', 'Members Helping Members', 'Developer Events', 'XML Books', 'Extreme XML Column', and 'MSXML 3.0 Release'. The 'XML Books' link has a small icon. The 'MSXML 3.0 Release' link is highlighted. In the center, there's a large graphic for 'MSXML Parser now final!' with 'OCT 2000', 'sax2', 'msxml', 'xsl', and 'xpath' text. To the right of this graphic is a section titled 'Beyond ASP' with the text 'Learn how XML and XSL-based solutions simplify your data presentation layer.' Below these sections is a 'Highlights' and 'Knowledge Base' section. The 'Highlights' section contains three articles: 'The XML Files: SAX, the Simple API for XML (Nov 17, Column)', 'XML for SQL Web Release 1 Beta 1 (Oct 19, Download)', and 'XML as the API (Oct 19, Column)'. The 'Knowledge Base' section is currently empty.

Icons for links to secure and premium content



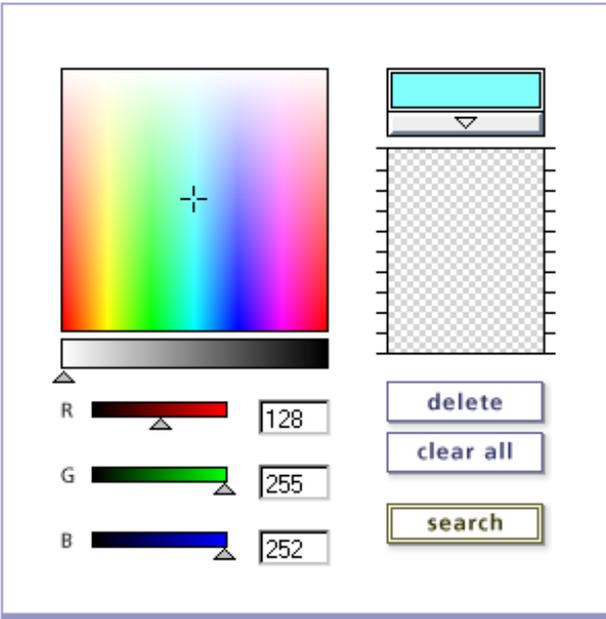
Multimedia: Hermitage and NSA

- Audience - art and music lovers
- Hermitage features
 - uses IBM's QBIC technology
 - search by colors or layout
 - visual thumbnails and abstracts
- National Sound Archive features
 - search by name, date, language
 - search by style

Searching images: HermitageMuseum.org

QUICK SEARCH

QBIC COLOUR SEARCH



1. Use your mouse to select a colour from the palette.

2. Click the arrow button to add the colour to the bucket.

3. Slide the triangular handles on the bucket to adjust the percentage of this colour.

4. You may repeat this process until the bucket is full. When you are ready, click Search.

You may also use the Colour Mixer to adjust RGB (red, green, blue) values to use in your search.

Click Delete to remove a colour from the bucket.

BROWSE ▾

QBIC SEARCHES ▾

COLOUR SEARCH -

LAYOUT SEARCH -

ADVANCED SEARCH ▾

Color and layout search options

Searching images: HermitageMuseum.org

QUICK SEARCH

SEARCH RESULTS

BROWSE •
QBIC SEARCHES •
COLOUR SEARCH –
LAYOUT SEARCH –
ADVANCED SEARCH •

1) [General View of the Cyclopes Islands in the Bay of La Trizza](#)

Houel, Jean
Between 1769 and 1772

2) [View of the Island of Vulcano from the Island of Lipari](#)

Houel, Jean
Between 1769 and 1772

3) [The Bay of Naples](#)

Marquet, Albert
1909

4) [The Notre-Dame Embankment, Le Havre](#)


Visual thumbnails and textual summaries

Searching sounds: National Sound Archive (UK)

National Sound Archive
CATALOG INFO DESK

GO BACK HELP PREFS EXIT

Search the catalogue

keyword AND

name AND

title AND

subject AND

place

Search Catalog Clear

Search Limits

year:

language: ANY

format: ANY

collection: ANY broad classn: ANY

match on: KEYWORD

sort by: NONE

ANY
ACTUALITY
BAROQUE
BLUES
BRASSBAND
CHAMBER
CHILDRENS
CHORAL
CHRISTIAN
CHRISTMAS
COMEDY

Search by musical style



Future Possibilities

- visitor notes
- new organizational methods

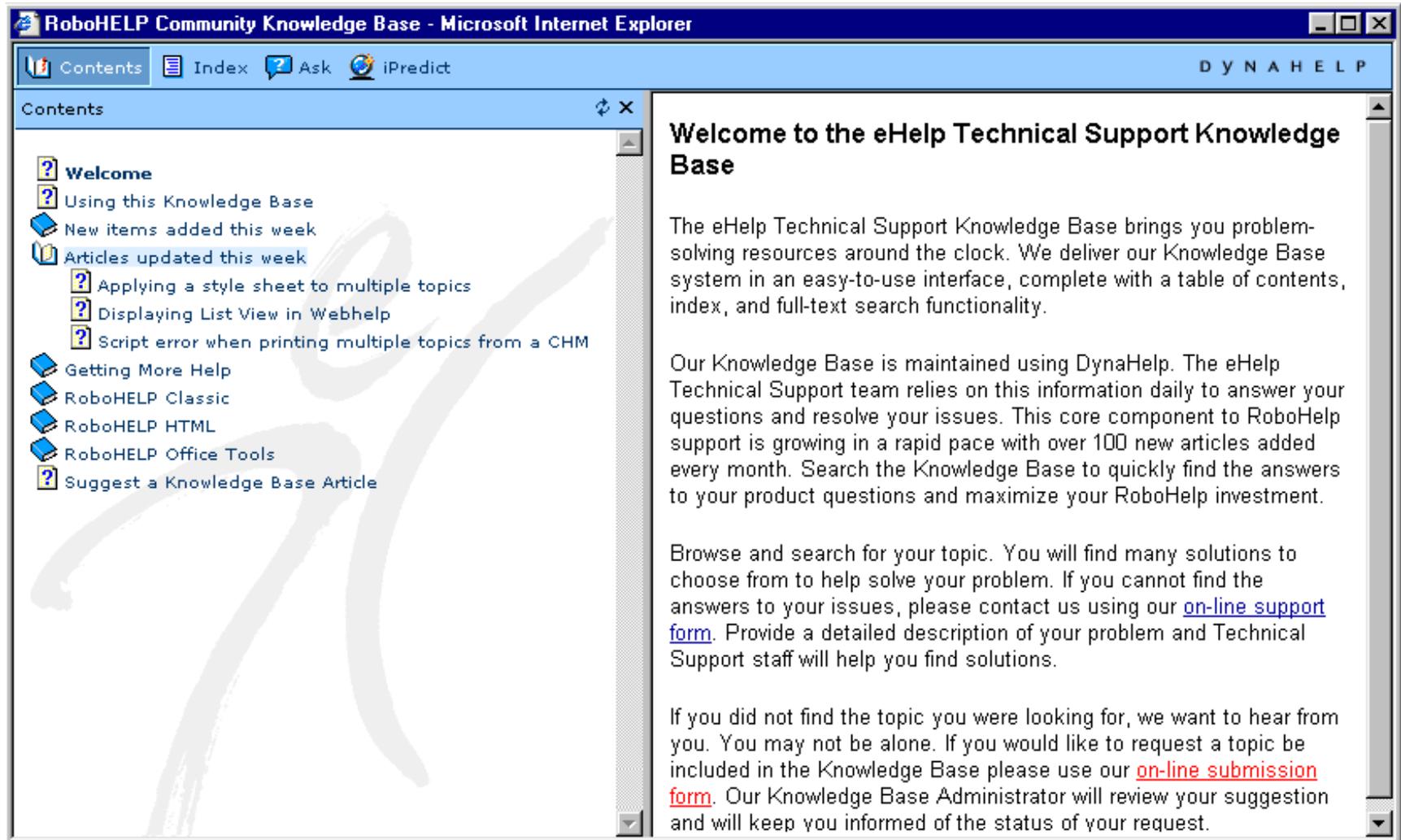
Visitor notes: CSIS (Ceridian)

The screenshot displays the OASIS web application interface. On the left is a navigation menu with a 'Contents' tab and sub-tabs for 'Index' and 'Search'. The menu items include: Welcome to OASIS, Internal Planning, Payroll Planning, Signature Data Conversion and Set (highlighted with a red dashed box), Signature Fundamentals, Company-Level Setup, Employee Pay Setup, General Reporting, Special Output (Tapes/Files), Tax information and reports, Source 500 Data Conversion and S, Processing, Central Custom Programming, Transition to Service, and Source 500 Service. A paperclip icon is positioned next to the 'Tax information and reports' item. The main content area has a blue header with the text 'Welcome to OASIS' and the breadcrumb 'Ceridianet/OASIS/draft/Welcome to OASIS'. Below the header are several links: 'Overview', 'What is OASIS?', 'System requirements', 'What is in this release?', and 'What is to come?'. A grey bar with the title 'Overview' is visible below the links. The text below the bar reads: 'Welcome to OASIS, the Online Aid System for Implementation Steps. The following sections explain the purpose and content of OASIS. For more information about using OASIS, see [How do I use OASIS?](#)'.

Paperclip icon signals a user note

New organizational methods: eHelp.com

Table of contents, index, natural-language search, and question frequency tracking



RoboHELP Community Knowledge Base - Microsoft Internet Explorer

Contents Index Ask iPredict D Y N A H E L P

Contents

- Welcome
- Using this Knowledge Base
- New items added this week
- Articles updated this week
 - Applying a style sheet to multiple topics
 - Displaying List View in Webhelp
 - Script error when printing multiple topics from a CHM
- Getting More Help
- RoboHELP Classic
- RoboHELP HTML
- RoboHELP Office Tools
- Suggest a Knowledge Base Article

Welcome to the eHelp Technical Support Knowledge Base

The eHelp Technical Support Knowledge Base brings you problem-solving resources around the clock. We deliver our Knowledge Base system in an easy-to-use interface, complete with a table of contents, index, and full-text search functionality.

Our Knowledge Base is maintained using DynaHelp. The eHelp Technical Support team relies on this information daily to answer your questions and resolve your issues. This core component to RoboHelp support is growing in a rapid pace with over 100 new articles added every month. Search the Knowledge Base to quickly find the answers to your product questions and maximize your RoboHelp investment.

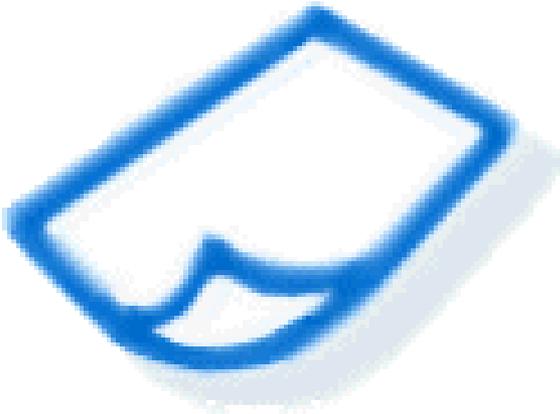
Browse and search for your topic. You will find many solutions to choose from to help solve your problem. If you cannot find the answers to your issues, please contact us using our [on-line support form](#). Provide a detailed description of your problem and Technical Support staff will help you find solutions.

If you did not find the topic you were looking for, we want to hear from you. You may not be alone. If you would like to request a topic be included in the Knowledge Base please use our [on-line submission form](#). Our Knowledge Base Administrator will review your suggestion and will keep you informed of the status of your request.



Resources to Explore

- Digital Library Federation
www.locweb.loc.gov/loc/ndlf
- International Federation of Library Associations
www.nlc-bnc.ca/ifla/home.html
- Internet Archive
www.archive.org



Questions?

Scott DeLoach
Founding Partner,
User First Services, Inc.
404.520.0003
scott@userfirst.net

