



Voyager[®] 9.2
WebVoyage Basic User's Guide

November 2015

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About This Document

Purpose of This User's Guide

The purpose of the *WebVoyage® Basic User's Guide* is to familiarize you with the Voyager 7.x and later WebVoyage user interface (the Voyager Online Public Access Catalog) and describe some basic customization options.

Intended Audience

This document is intended for Voyager customers interested in a basic overview of the out-of-the-box Voyager 7.x and later WebVoyage user interface.

In addition, this guide provides basic customization instruction for the staff system administrator needing to make some simple changes to reflect site-specific preferences.

Reason for Reissue

This guide incorporates and is being reissued for the following reason:

- Updated the **Field to search such as** bulleted list in the section [Advanced Search](#) on [page 2-8](#).

Document Summary

Chapter 1	“Getting Started” Chapter 1 This chapter describes the prerequisite knowledge, skills, and software necessary for beginning work in Voyager 7.x WebVoyáge. Plus, preliminary setup and logging in instructions are provided.
Chapter 2	“User Interface” Chapter 2 This chapter describes the new WebVoyáge user interface.
Chapter 3	“Basic Customization” Chapter 3 This chapter describes basic customization options to make simple changes to reflect site-specific preferences.
Appendix A	“Default index.html File” Appendix A. This appendix provides a sample of the default index.html file.
Index	The Index is an alphabetical, detailed cross-reference of topics.

Conventions Used in This Document

The following conventions are used throughout this document:

- Names of commands, variables, stanzas, files, and paths (such as `/dev/tmp`), as well as selectors and typed user input, are displayed in `constant width` type.
- Commands or other keyboard input that must be typed exactly as presented are displayed in **constant width bold** type.
- Commands or other keyboard input that must be supplied by the user are displayed in *constant width bold italic* type.
- System-generated responses such as error messages are displayed in `constant width` type.
- Variable *portions* of system-generated responses are displayed in *constant width italic* type.
- Keyboard commands (such as **Ctrl** and **Enter**) are displayed in **bold**.
- Required keyboard input such as “Enter **vi**” is displayed in **constant width bold** type.
- Place holders for variable portions of user-defined input such as `ls -l filename` are displayed in *italicized constant width bold* type.

- The names of menus or status display pages and required selections from menus or status display pages such as “From the **Applications** drop-down menu, select **System-wide**,” are displayed in **bold** type.
- Object names on a window’s interface, such as the **Description** field, the **OK** button, and the **Metadata** tab, are displayed in **bold** type.
- The titles of documents such as *Acquisitions User’s Guide* are displayed in *italic* type.
- Caution, and important notices are displayed with a distinctive label such as the following:

NOTE:

Extra information pertinent to the topic.

**IMPORTANT:**

Information you should consider before making a decision or configuration.

**CAUTION:**

Information you must consider before making a decision, due to potential loss of data or system malfunction involved.

**TIP:**

Helpful hints you might want to consider before making a decision.

RECOMMENDED:

Preferred course of action.

OPTIONAL:

Indicates course of action which is not required, but may be taken to suit your library’s preferences or requirements.

Accessibility

Ex Libris™ development has focused on accessibility compliance for WebVoyáge.

The tactics and techniques used for accessibility compliance in WebVoyáge were derived from discussion documents and use of tools including the FAE (Functional Accessibility Evaluator) tool. The FAE tool analyzes web content based on the use of CITES/DRES Html Best Practices (see <http://html.cita.uiuc.edu/>) for web development.

For example, one of the practices used is to declare a headings level 2 tag, `<h2>`, within ordered, ``, and unordered, ``, lists, ``. The `<h2>` tag describes a descriptive label for a collection of links.

Since JAWS (see http://www.freedomscientific.com/fs_products/software_jaws.asp) allows users to navigate web content via headers, `<h1>...<h6>`, this is a good way to break up the web interface into logical components.

WebVoyáge implements the use of `<h2>` headings within lists purely for accessibility navigation. The header is positioned off-screen using css so that a non-screen-reading user does not see the header.

As you work with WebVoyáge, you will observe other characteristics of accessibility compliance.

Accessibility Statement

Ex Libris is committed to making its Web-based applications accessible to as many users as possible regardless of the challenges that they face. As new technologies emerge, Ex Libris makes every effort to improve the accessibility of its products.

The Voyager 7.x and later WebVoyáge user interface was developed to comply with leading international accessibility and industry standards.

- The W3C Web Content Accessibility Guidelines 1.0, level A. See <http://www.w3.org/TR/WCAG10/>.
- Section 508 of the Rehabilitation Act (29 U.S.C. 794d). See <http://www.section508.gov/>.

Accessibility Disclaimer

Institutions can customize the interface of WebVoyáge. Ex Libris cannot guarantee that the resulting user interface will be compliant with accessibility standards after a third party has altered the interface.

WebVoyáge connects to other Web sites maintained by third parties over which Ex Libris has no control. Ex Libris makes no representations as to Web accessibility compliance standards maintained by other Web sites.

Comments and Suggestions

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Purpose of this Chapter

The purpose of this chapter is to provide the following:

- Prerequisites for getting started and skills required.
- Preliminary setup information. See [Before You Begin](#) on [page 1-2](#).
- Instructions for logging in to WebVoyage. See [Login](#) on [page 1-3](#).

Prerequisites - Skills and Knowledge

To use this document effectively, you should be familiar with the following:

- Microsoft Windows operating environment.
- UNIX operating system commands and file system.
- A text editor such as `vi` or equivalent.
- Local procedures.

Before You Begin

Before you can begin, you need to do the following:

- Have the Voyager WebVoyáge 7.x and later and the corresponding Voyager 7.x and later integrated library system software installed.
- Have access to an internet browser on your PC.
- Obtain the URL and/or the IP and port address for accessing your instance of Voyager WebVoyáge 7.x and later.
- Obtain your user ID and password for logging in to Voyager WebVoyáge 7.x and later.
- Set up your PC to display Unicode-specific data as needed. See [Unicode](#) on [page 1-2](#) for more information.

Web Server

You can specify the port on which you want your Apache Web Server to run by editing the port entry in the following file:

```
/m1/shared/apache2/conf/httpd.conf
```

The default port to connect to WebVoyáge is 7008 and/or 80.

Unicode

In order to be sure that data displays properly in your browser when you view records or other information in foreign languages, you must set up your Web browser to use Unicode fonts.

For example, see [Procedure 1-1, Setting Web Browser to Unicode Compatibility](#), on page [1-2](#) that describes the Unicode set up for Internet Explorer.



Procedure 1-1. Setting Web Browser to Unicode Compatibility

As an example for setting up your web browser, the following steps highlight the Unicode setup procedure when using Internet Explorer. These steps enable Unicode and UTF-8 encoding.

1. Open Internet Explorer.
2. From the **View** menu, set character coding/encoding to **Unicode (UTF-8)**.

3. Set your browser to read a Unicode-compliant font.
 - a. From the **Tools** menu, click **Internet Options...**
 - b. From the **General** tab, click the **Fonts...** button.
 - c. In the left-column list box of the **Fonts** dialog box, select a font with Unicode included. (There may be only one selection, **Arial Unicode MS**.)
 - d. Click **OK** to save your changes.

Result: Internet Explorer now renders any text requiring a Unicode font or UTF-8 encoding accurately.

Login

For the convenience of patrons, there are two options for logging in to WebVoyáge as follows:

- At the beginning of the WebVoyáge session. See [Procedure 1-2, Session Start Login](#).
- When required to access secured features of WebVoyáge. See [Login As Needed](#) on [page 1-6](#).

Session Start Login

For patrons wanting to immediately access patron-specific options such as saved searches, view a list of items on hold, or use other secured access features, they need to log in at the beginning of their WebVoyáge session. See [Procedure 1-2, Session Start Login](#) for login steps using this method.



Procedure 1-2. Session Start Login

Use the following procedure to log in at the beginning of your WebVoyáge session.

1. Enter the URL (Universal Resource Locator) in your web browser for your library's OPAC (Online Public Access Catalog) default WebVoyáge web page.

Result: The default WebVoyáge web page displays. See [Figure 1-1](#).

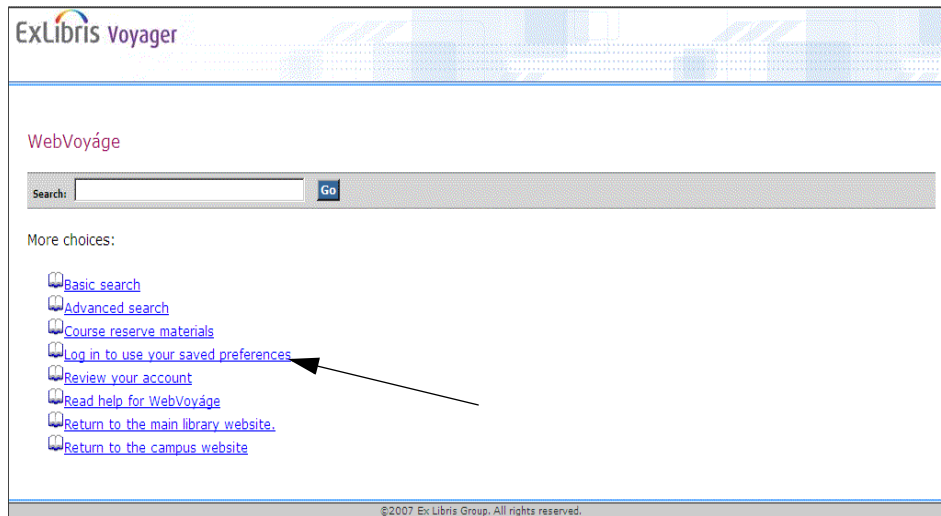


Figure 1-1. Login from default window

2. Click **Log in to use your saved preferences**.

Result: The **Log In** dialog box displays. See [Figure 1-2](#).

Log In

*Please enter your Patron Barcode and Last Name, then click the **Log in** button.*

Figure 1-2. Log In

3. Select and enter your security information using one of the following options:

- Barcode and Last Name
- Institution ID
- Social Security Number

Use the dropdown list to select which method you prefer.

4. Optionally enter the Personal Identification Number (PIN) if the Log In setup has been customized (in the `webvoyage.properties` file) to require it.

NOTE:

The PIN is 4 to 12 characters in length.

5. Click **Log in** to process your security information.

Result: The **Basic Search** dialog box and a confirmation that `<username>` is **logged in** displays when you successfully log in. See [Figure 1-3](#).

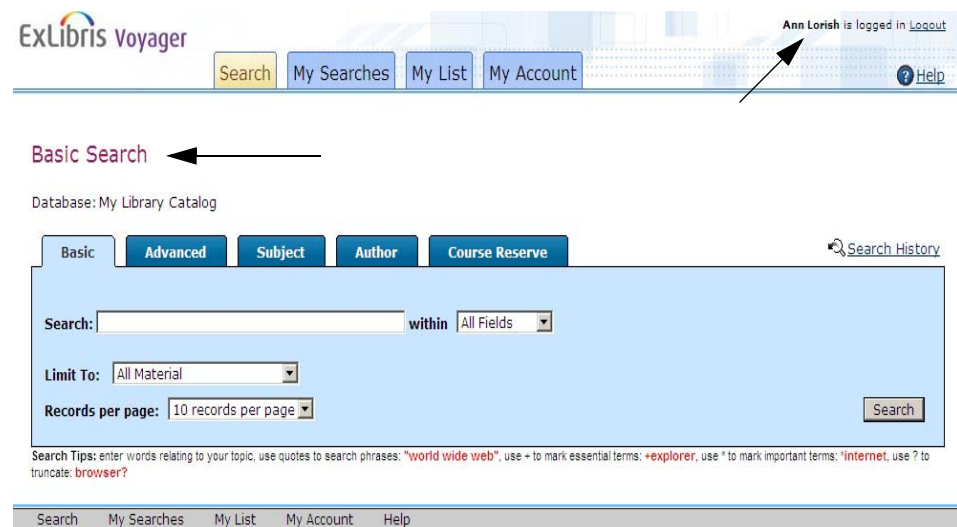


Figure 1-3. Basic Search dialog box

Login As Needed

For the convenience of patrons wanting to do a quick search, logging in only becomes necessary if they decide to use a patron-specific, secured feature of WebVoyage. When a secured feature is accessed, the system automatically displays the **Log In** dialog box (see [Figure 1-2](#)) for the patron to complete.

Optionally at any time, a user may also choose to log in by clicking **Log in**. See [Figure 1-4](#).

Once the **Log in** dialog box displays, the steps are the same as in [Procedure 1-2, Session Start Login](#), on page [1-3](#).

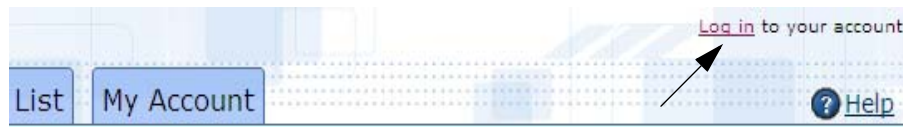


Figure 1-4. Login as needed

Purpose of This Chapter

The purpose of this chapter is to describe the out-of-the-box Voyager 7.x WebVoyáge user interface to include the following information:

- Navigation
- Search
- Patron options
- Actions

Navigation

WebVoyáge offers multiple options for you to easily access the function you need to invoke. Those options include the following:

- URL
- Menu lists
- Labeled tabs

URL Access

For your ease in quickly accessing a particular function in WebVoyáge, you may enter the URL for a specific WebVoyáge function and access it dynamically.

NOTE:

URL access to some functions is limited by your point of entry within the WebVoyáge software.

Given that WebVoyáge is a web-based software application, you have extensive navigation flexibility to include using URL bookmarks.

My Account Example

To access My Account information, for example, you may enter a URL similar to *http://111.111.111.111:7008/vwebv/myAccount* substituting your server access information for *111.111.111.111:7008*.

If you attempt to access a secured page such as My Account and have not logged in, the system prompts you with the **Log In** page. (See [Figure 1-2](#) on [page 1-4](#) for an illustration of the **Log In** display and [Procedure 1-2, Session Start Login](#), on [page 1-3](#) for more information about the **Log In** procedure.)

Bibliographic Record ID Number Example

When you display specific holdings from your search results such as in [Figure 2-1](#), a component of the URL that displays is the bibliographic record ID number.

To display the holdings for a different bibliographic record, simply edit the `bibId=` number in the URL for the record you want to view. See [Figure 2-2](#) for an example URL format for displaying holdings using `bibId=` substituting your server access information for *111.111.111.111:7008*.



Figure 2-1. Holdings for bibliographic record ID number 53699 example

<http://111.111.111.111:7008/vwebv/holdingsInfo?bibId=53699>

Figure 2-2. Example of URL with bibliographic record ID number

Menu List

The default WebVoyage page provides a menu list from which to select the function you need to perform. Options provided are as follows:

- Basic Search
- Advanced Search
- Course reserve materials
- Log in to use your saved preferences

- Review your account
- Read help for WebVoyage
- Return to the main library website
- Return to the campus website

See [Figure 2-3](#) and the Appendix [Default index.html File](#) on [page A-1](#).

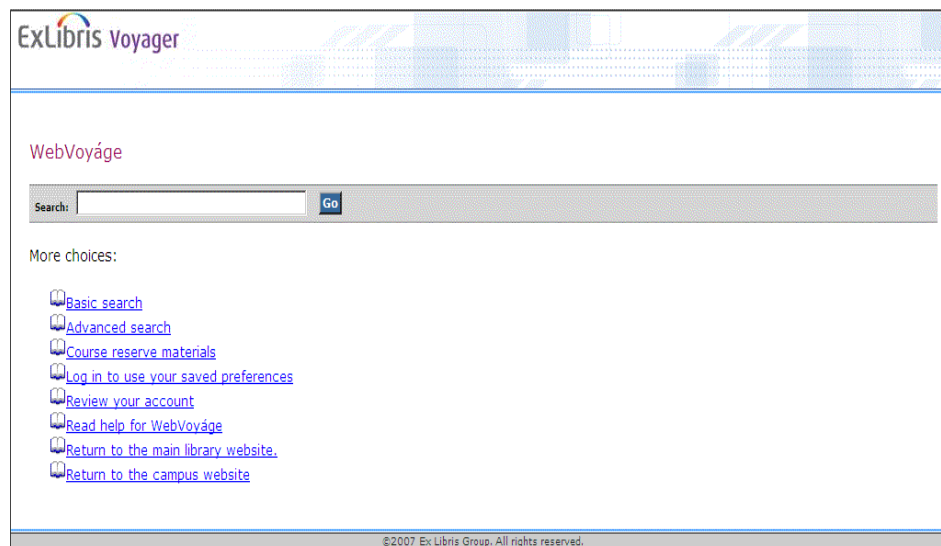


Figure 2-3. Default page (index.html)

Labeled Tabs

Search and patron functions are easily accessed from labeled tabs on a single page. Functions provided are as follows:

- Search (Basic, Advanced, Subject, Author, Course Reserve)
- My Searches
- My List
- My Account

See [Figure 2-4](#).

The screenshot displays the ExLibris Voyager search interface. At the top, the logo 'ExLibris Voyager' is on the left, and 'Log in to your account' is on the right. Below the logo are navigation tabs: 'Search', 'My Searches', 'My List', and 'My Account'. A 'Help' icon is also present. The main content area is titled 'Basic Search' and shows the database 'My Library Catalog'. There are five search method tabs: 'Basic' (selected), 'Advanced', 'Subject', 'Author', and 'Course Reserve'. A 'Search History' link is visible. The search form includes a search input field, a 'within' dropdown menu set to 'All Fields', a 'Limit To' dropdown set to 'All Material', and a 'Records per page' dropdown set to '10 records per page'. A 'Search' button is located to the right of the form. Below the form, there are search tips: 'Search Tips: enter words relating to your topic, use quotes to search phrases: "world wide web", use + to mark essential terms: +explorer, use ! to mark important terms: !internet, use ? to truncate: browser?'. At the bottom, there is a footer with 'Your Library Name Here' and '©2007 Ex Libris Group. All rights reserved.'

Figure 2-4. Labeled tabs

Other easy access functions are available such as Search History, Account Log in, and Help.

Search

WebVoyage provides the following search functions:

- Quick Search (see [Quick Search](#) on [page 2-7](#))
- Basic (see [Basic Search](#) on [page 2-7](#))
- Advanced (see [Advanced Search](#) on [page 2-8](#))
- Subject (see [Subject Search](#) on [page 2-11](#))
- Author (see [Author Search](#) on [page 2-12](#))
- Course Reserve (see [Course Reserve Search](#) on [page 2-12](#))
- Geospatial Search (see [Geospatial Search](#) on [page 2-16](#))

Special characters may be used to enhance your searches. See [Table 2-1](#).

NOTE:

Special characters need to be defined. See the `Basic search codes` section of the `webvoyage.properties` file for an example.

Table 2-1. Special Search Characters

Character	Description
?	Use the question mark to truncate a search or for multiple-character, wild card searches at the beginning, middle, or end of your search term. Example: <code>col?r</code> finds color and colour. <code>cod?</code> finds code, codes, coding and so on. NOTE: The question mark does not work with z39.50 searches.
%	Use the percent sign for single-character wild card searches. Example: <code>g%%se</code> finds goose and geese. NOTE: The percent sign does not work with z39.50 searches.
+	Use the plus sign to indicate that the search term is essential.
!	Use the exclamation point before a search term to indicate that records with that term are to be excluded.
*	Use the asterisk to indicate that the search term entered is important.
" "	Use quotes to search phrases.
()	Use open/close parentheses to group search terms.

For some search types, you may also use Boolean operators (AND, OR, or NOT) with your search criteria when **search as a phrase** is used. See [Advanced Search](#) on [page 2-8](#).

NOTE:

The boolean operators may be typed in either upper- or lower-case.

Quick Search

In several places throughout WebVoyage, you can access the quick search function from the quick search bar. See [Figure 2-5](#) and [Figure 2-6](#).

A screenshot of a search bar. It consists of a text input field with the label "Search:" to its left and a blue "Go" button to its right.

Figure 2-5. Search bar

A screenshot of a search bar. It consists of a text input field with the label "New Search :" to its left and a blue "Go" button to its right.

Figure 2-6. New Search bar

The default index for the quick search function is GKEY (keyword anywhere) that matches search terms to terms located anywhere within a title's record and results are displayed on a Titles page.

NOTE:

The default may be set to a different index. See [Quick Search](#) on [page 3-17](#) for instructions.

Basic Search

Basic Search finds records using keywords located anywhere in a record or only in specific fields.

You have the option to specify the following:

- Search term(s)
- Field to search from a drop-down list
- Limit from a drop-down list
- Number of records to display in the results list

See [Figure 2-7](#).

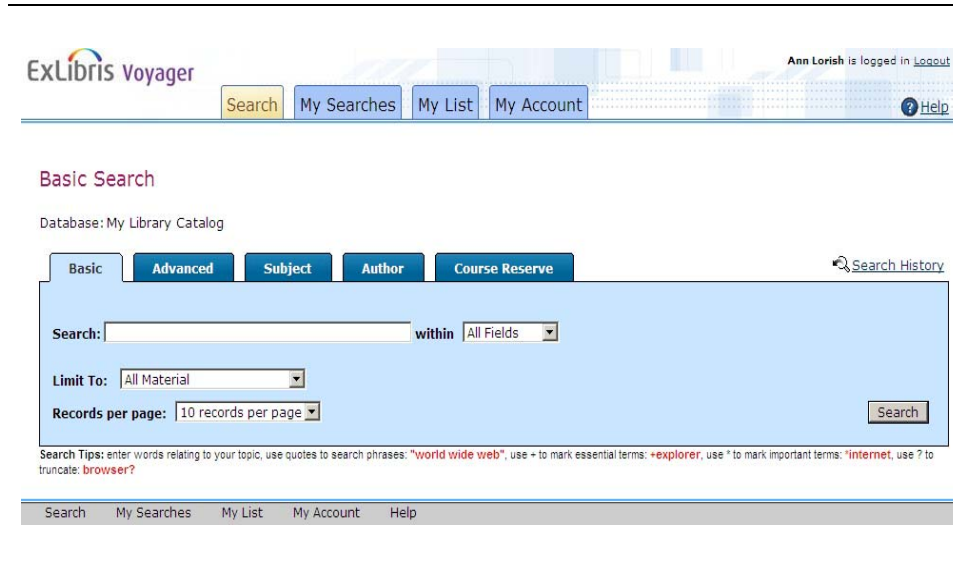


Figure 2-7. Basic Search

Advanced Search

Advanced Search finds records using keywords located anywhere in a record or only in specific fields. This search option is more advanced than the Basic Search alternative due to the number of additional fields with which you may narrow your search such as the following:

- Treatment of search terms such as:
 - As a phrase
 - All of these
 - Any of these
- Field to search such as:
 - Title
 - Subject
 - Author
 - ISSN
- Multiple search term(s) fields that can be combined with the following conditions:
 - And
 - Or
 - Not

- Year
- Location
- Place
- Type (such as serial, musical score, or map)
- Status
- Format
- Language
- Content
- Media
- Carrier

See [Figure 2-8](#).

For more information regarding limits, refer to the *WebVoyage Architecture Overview and Configuration Models* guide.

Advanced Search

Database: My Library Catalog [Change](#)

Basic	Advanced	Subject	Author	Course Reserve	Geospatial
Search: <input type="text"/> any of these <input type="button" value="within"/> Keyword Anywhere					
AND <input type="button" value="AND"/>					
<input type="text"/> any of these <input type="button" value="within"/> Keyword Anywhere					
AND <input type="button" value="AND"/>					
<input type="text"/> any of these <input type="button" value="within"/> Keyword Anywhere					
Year: <input type="radio"/> Current Material <input type="button" value="Current Material"/>					
<input type="radio"/> From <input type="text"/> To <input type="text"/>					
Location: <input type="text" value="All Locations"/>					
Place: <input type="text" value="All Places"/>					
Type: <input type="text" value="All Types"/>					
Status: <input type="text" value="All Status"/>					
Format: <input type="text" value="All Formats"/>					
Language: <input type="text" value="All Languages"/>					
Content: <input type="text" value="All Content"/>					
Media: <input type="text" value="All Media"/>					
Carrier: <input type="text" value="All Carriers"/>					

Figure 2-8. Advanced Search

Available Search Types with Advanced Search

Available search types on the Advanced Search page are integrated with settings from Voyager System Administration. See the following:

- The Advanced Search page can only use keyword searches defined in the Indexes - Keyword Definitions and Indexes - Holdings Keyword Definitions sections of the System Administration client.
- The Advanced Search page displays each keyword search defined in the Indexes - Keyword Definitions and Indexes - Holdings Keyword Definitions sections that do not have OPAC Suppress checked on its Index tab in the System Administration client.

The only exception is the JKEY (journal title) search that does not display on the Advanced Search tab.

- The display label in WebVoyage for each search type on the Advanced Search page can be overwritten through the Search Index Definitions section of `webvoyage.properties`.

See the *Voyager System Administration User's Guide* for more information.

Subject Search

Subject Search finds materials that match the search terms entered in library-defined categories for subject headings. See [Figure 2-9](#) for an example of the Subject Search page.

The screenshot shows the 'Subject Search' interface. At the top, it says 'Subject Search' and 'Database: My Library Catalog'. Below that are five tabs: 'Basic', 'Advanced', 'Subject', 'Author', and 'Course Reserve'. The 'Subject' tab is active. Underneath the tabs is a search box with the label 'Subject:' and a 'Search' button. To the left of the search box is a 'Records per page:' dropdown menu currently set to '10 records per page'. In the top right corner, there is a 'Search History' link.

Figure 2-9. Subject Search

The default index used for Subject Search is SUBJ. This may be changed in the `webvoyage.properties` file. See the `webvoyage.properties` file located in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` where `xxxdb` is your database name.

Author Search

Use the Author Search option to use the author's name to locate the item for which you are searching. See [Figure 2-10](#).



TIP:

When searching using a company or association name such as American Cancer Society, use the Last Name field to enter this search criteria.

Author Search

Database: My Library Catalog

Basic Advanced Subject Author Course Reserve [Search History](#)

Last Name Initials or First Name

Author:

Records per page: 10 records per page

Figure 2-10. Author Search

Course Reserve Search

Use the Course Reserve Search to locate items placed on reserve. There are two options available in `webvoyage.properties` (located in `/m1/voyager/xxxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` where `xxxxdb` is your database name.).

- Browse format (see [Procedure 2-1, Course Reserve Search/Browse](#)).
- Dropdown list page format (see [Figure 2-11](#)).

ExLibris Voyager [Log in to your account](#)

[Search](#)
[My Searches](#)
[My List](#)
[My Account](#)
[Help](#)

Course Reserve Data Page

Database: My Library Catalog

[Basic](#)
[Advanced](#)
[Subject](#)
[Author](#)
[Course Reserve](#)
[Search History](#)

Select Locations: Voyager Library Training Database

Instructor:

Department:

Course:

Section:

Records per page:

Search Tips: To find material on reserve for your course, select the instructor, department, course, and/or section.

[Search](#)
[My Searches](#)
[My List](#)
[My Account](#)
[Help](#)

[Your Library Name Here](#)

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Figure 2-11. Course Reserve dropdown page format



Procedure 2-1. Course Reserve Search/Browse

1. Select the location associated with the materials placed on reserve. See [Figure 2-12](#).

Select Locations

Select Locations:

- Biology
- All Locations
- Government Documents
- Cataloging desk
- Electronic Collections
- Reserve Desk
- Main
- Circulation Desk

Submit

Figure 2-12. Course Reserve Search

Result: The Course Reserve Browse page displays. See [Figure 2-13](#).

WebVoyage Course Reserve Browse

Database: My Library Catalog

Basic Advanced Subject Author Course Reserve Geospatial Search

[Search History](#)

Select Locations: QA701DB [Change Location](#)

Please select the first letter of the Instructor, Department or Course whose reserve list you'd like to browse.

Instructor: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Department: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Course: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Please select the first letter of the Instructor, Department or Course whose reserve list you'd like to browse.

Figure 2-13. Course Reserve Browse

2. Select the first letter of the Instructor, Department, or Course whose reserve list you would like to browse. Letters with active reserve materials are highlighted and underlined.

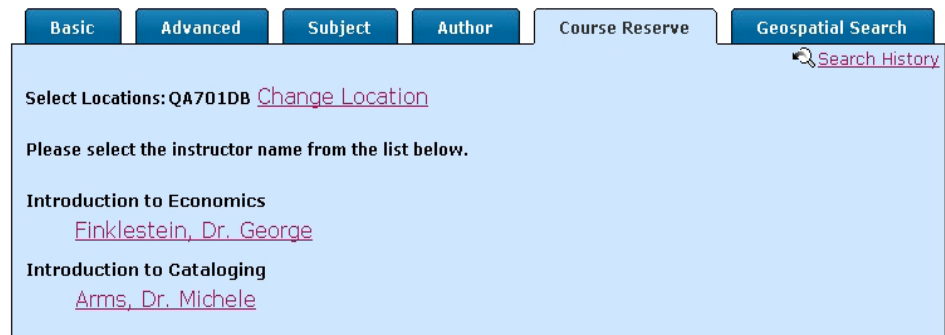
OPTIONAL:

3. Click *Change Location* to return to the *Select Locations* page to display *Course Reserve Browse* for a different location.

Result: The course reserve list displays. See [Figure 2-14](#).

Course Reserve Course Page

Database: My Library Catalog



Basic Advanced Subject Author Course Reserve Geospatial Search

Search History

Select Locations: QA701DB [Change Location](#)

Please select the instructor name from the list below.

Introduction to Economics
[Finklestein, Dr. George](#)

Introduction to Cataloging
[Arms, Dr. Michele](#)

Please select the instructor name from the list below.

Figure 2-14. Course reserve list

4. Make a selection from the course reserve list.

Result: The titles display. See [Figure 2-15](#).

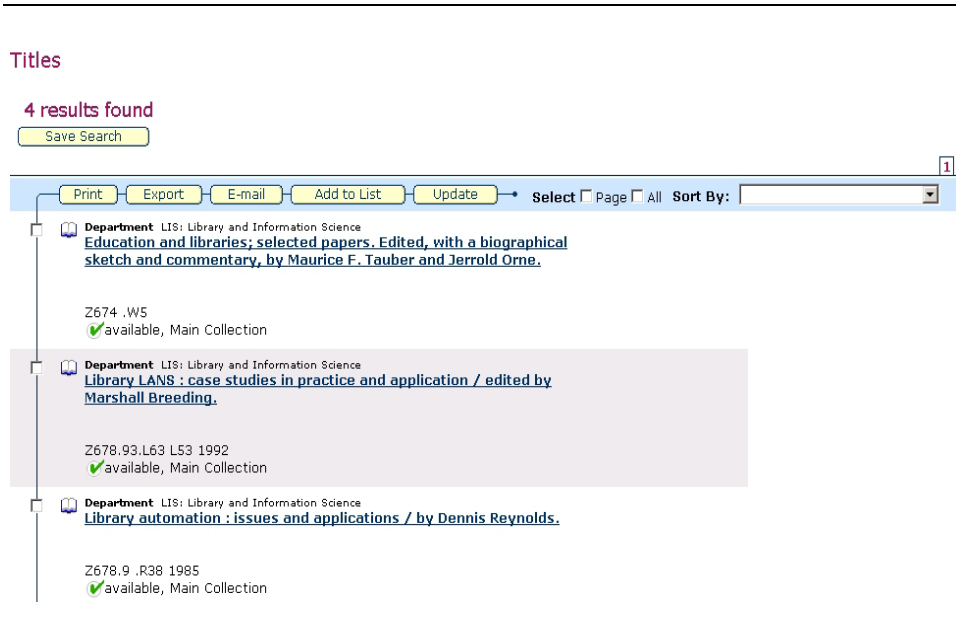


Figure 2-15. Titles displayed

Geospatial Search

The Geospatial Search feature is only available if your institution has purchased the Geospatial searching tools.

Geospatial Search is a search feature that you optionally set when you install WebVoyage. See *WebVoyage Architecture Overview and Configuration Models* for more information regarding setup.

Geospatial Search provides you with a variety of options when searching for map-related items in your database. See [Figure 2-16](#) for an example of Rectangle Search using Geospatial Search.

Rectangle Search

Database: My Library Catalog

Basic Advanced Subject Author Course Reserve **Geospatial Search** [Search History](#)

Rectangle Search Polygon Search Point + Radius Search Corridor/Route Search Range Search

LOWER LEFT

Latitude:
Longitude:

UPPER RIGHT

Latitude:
Longitude:

Toggle Limits

Footprint:
MBR

Records per page:
10 records per page

Format Type:
Degrees/Min/Sec

Search Map

Figure 2-16. Geospatial Search

Search History

Search History displays a list of searches that you have completed during your current session in WebVoyage until you logout. See [Figure 2-17](#).

For searches that you want to keep on a more permanent basis, save them in My Searches; see [My Searches](#) on [page 2-18](#).

Search History

Displays your last 20 searches in this session.

Combine	Search	Search Type	Results	Action
	All Fields(tiger)	Quick	30	Re-run Edit Save
	All Fields(potter)	Quick	122	Re-run Edit Save
	All Fields(biology)	Quick	545	Re-run Edit Save
	All Fields(animal science)	Quick	23	Re-run Edit Save

Figure 2-17. Search History

With Search History, you have the ability to do the following:

- Re-run the search.
- Edit the search and run it again.
- Save the search to My Searches.
- Combined Advanced Searches.

Patron Options

WebVoyáge provides patron-specific options that enhance system usability for each individual patron. The following functions are available:

- My Searches (page [2-18](#)).
- My List (page [2-19](#)).
- My Account (page [2-20](#)).

My Searches

My Searches enables patrons to permanently maintain a list of previously executed search queries. See [Figure 2-18](#).

My Searches

*To change a saved search into an email alert, change the option under **Alert Frequency** from "None" to another value and save the changes. To cancel an alert, either set the option under **Alert Frequency** to "None" or delete the associated saved search.*

Combine	Search	Search Type	Alert Frequency	Results	Actions
	All Fields(biology)	Basic	Daily	N	Re-Run Edit Delete
	All Fields(potter)	Quick	Daily	Y	Re-Run Edit Delete
	All Fields(horseback)	Quick	None	N	Re-Run Edit Delete
Save Changes					

Figure 2-18. My Searches

Optionally, search queries are saved to the My Searches list from the Search History page, the Titles list, or the Subjects list. See [Figure 2-17](#).

From My Searches, patrons can do the following:

- Re-run a specific search.
- Edit a specific search and run it.

- Delete individual searches from the My Searches list.
- Combine Advanced Searches.
- Configure Alert.

Automated Saved Search Queries

Saved search queries may be run automatically and trigger email notifications when the `option.sdi=` parameter is set to Y in `webvoyage.properties` as one of the optional WebVoyage alerts. See [Figure 2-19](#).

My Searches

*To change a saved search into an email alert, change the option under **Alert Frequency** from "None" to another value and save the changes. To cancel an alert, either set the option under **Alert Frequency** to "None" or delete the associated saved search.*

Combine	Search	Search Type	Alert Frequency	Results	Actions
	All Fields(biology)	Basic	Daily	N	Re-Run Edit Delete
	All Fields(potter)	Quick	Daily	N	Re-Run Edit Delete
	All Fields(horseback)	Quick	None	N	Re-Run Edit Delete

Save Changes

Figure 2-19. Automated My Searches example

My List

Optionally, My List provides a place for patrons to save titles for later review and processing. See [Figure 2-20](#).

Processing options include the following:

- Print
- Export
- E-mail
- Delete

My List

The screenshot displays a 'My List' interface with a light blue header and footer. The header contains buttons for 'Print', 'Export', 'E-mail', and 'Delete', followed by a 'Select' checkbox and the text 'All'. The list contains three entries, each with a checkbox on the left:

- Sirks, Marius Jacob, 1889-**
Evolution of biology [by] M. J. Sirks [and] Conway Zirkle.
Publisher date: [1964]
Saved on: 2008-02-13 16:34:07
- Morison, Samuel Eliot, 1887-1976.**
Two ocean war, a short history of the United States Navy in the Second World War.
Publisher date: [1963]
Saved on: 2008-02-19 18:47:45
- Mahy, Margaret.**
17 kings and 42 elephants / Margaret Mahy ; pictures by Patricia MacCarthy.
Publisher date: 1987.
Saved on: 2008-02-20 14:57:23

The footer contains the same set of buttons: 'Print', 'Export', 'E-mail', 'Delete', 'Select' checkbox, and 'All'.

Figure 2-20. My List example

Search results can be added to My List using the Add to My List action from the Actions bar ([Figure 2-27](#)) or Actions list ([Figure 2-29](#)).

My Account

The My Account page displays the following information and provides options to View Personal Information and Edit Preferences.

- Pending Requests
- Available Items
- Charged Items
- Borrowing Blocks
- Fines and Fees
- Demerits

See [Figure 2-21](#) for an example of My Account information.

My Account

Review and update your library transactions.

[View Personal Information](#)

[Edit Preferences](#)

Your Items

[Requests pending \(3\)](#)

Requests Pending

Cancel Request → Select All: <input type="checkbox"/>		
Item	Database	Status
<input type="checkbox"/> Exploring laser light : laboratory exercises and lecture demonstrations performed with low-power helium-neon gas lasers / by T. Kallard.	QA701DB	Position 1: Expires 02-24-2008 06:00:00
<input type="checkbox"/> Causes of the American Civil War.	QA701DB	Position 1: Expires 03-20-2008 07:00:00
<input type="checkbox"/> Two ocean war, a short history of the United States Navy in the Second World War.	QA701DB	Position 1: Expires 03-20-2008 07:00:00

Figure 2-21. My Account example

Personal Information

The Personal Information page displays individual patron information such as name, email address, and so on. See [Figure 2-22](#).

Personal Information

[My Account](#)

[Edit Preferences](#)

Name: Ann Lorish

Email: ann.lorish@abclibrary.com

Permanent Address: 2200 East Devon
Suite 382

Des Plaines IL 60018

Phone: 847 296 2200

Figure 2-22. Personal Information page

Edit Preferences

The Edit Preferences page provides options for the patron to tailor search preferences and select the number of records to display on the results page. See [Figure 2-23](#).

Edit Preferences

Set the following preference to be restored each time you log in.

[My Account](#)

[View Personal Information](#)

Search options

- Basic
- Advanced
- Subject
- Author
- Course Reserve

All Fields ▾

Display options

Records per page: 10 records per page ▾

[Save](#)

Figure 2-23. Edit Preferences page

If the patron has access to multiple OPAC databases such as a local database and a Z39.50 database, this page displays those options. The patron can then select a database preference from the Edit Preferences page.

When multiple databases are configured, an additional Search page option displays allowing the patron to dynamically select a database. See [Figure 2-24](#).

Database: My Library Catalog [Change](#)

Figure 2-24. Database Change option

My Account Expiration Warning

WebVoyage can be configured to display a warning message a certain number of days before a patron's account is to expire.

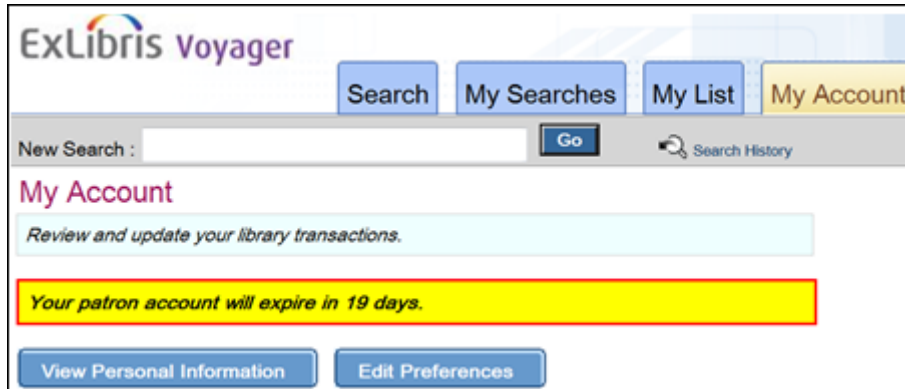


Figure 2-25. Optional Patron Account Warning Message

This warning can be configured in the `webvoyage.properties` file that is located in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` where `en_US` is the default skin. See [Figure 2-26](#). With this configuration, you can:

- Set `page.myAccount.expireNotify=` to Yes (Y) to turn on this feature
- Identify when to display the warning (a number of days in advance of the expiration) using `page.myAccount.expireNotifyLead=`
- Customize the warning message text

This provides the patron a warning/reminder to renew his account/card before it expires.

```

#=====#
#
#   My Account - Notification of patron expiration
#
#   The system administrator may choose to notify patrons when their account
#   is about to expire. The value in expireNotifyLead must be in days.
#   Use the placeholder \\d to display that day value in the message(s).
#   The message expireNotifyMsg will be displayed at the top of the My Account
#   screen. The message viewPersonalInfo.expireNotifyMsg will display at the
#   bottom of the Personal Info page.
#   In cases where the expire date happens within 24 hours the system will
#   use the expireNotifyMsgWithin24Hrs message. The placeholders \\h \\m and \\s
#   will be replaced with hours minutes and seconds left.
#   The system wont calculate just minutes, or just seconds, so the message should
#   contain Hours, or Hours and Minutes, or Hours Minutes and Seconds.
#   The Syatem Administrator may opt to not include any hours,minutes, or seconds
#   in the message as well.
#=====#
page.myAccount.expireNotify=Y
page.myAccount.expireNotifyLead=30
page.myAccount.expireNotifyMsg=Your patron account will expire in \\d days.
page.myAccount.expireNotifyMsgWithin24Hrs=Your patron account will expire in \\h
Hours \\m Minutes \\s Seconds
page.myAccount.viewPersonalInfo.hasExpiredMsg=Your patron account has expired.
page.myAccount.viewPersonalInfo.expireNotifyMsg=Your patron account will expire
in \\d days. Please contact your circulation desk for assistance.
page.myAccount.viewPersonalInfo.expireNotifyMsgWithin24Hrs=Your patron account
will expire in \\h Hours \\m Minutes \\s Seconds. Please contact your
circulation desk for assistance.
#=====#

```

Figure 2-26. webvoyage.properties My Account Patron Expiration Notification

Actions

WebVoyáge provides the following Actions for working with search results:

- Actions Bar (see [Figure 2-27](#))
 - Print
 - Export
 - E-mail
 - Add to List
 - Update (displays when JavaScript is disabled in the browser)
- Actions List (see [Figure 2-29](#))

- Make a Request
- Print
- Export
- E-mail
- Add to My List

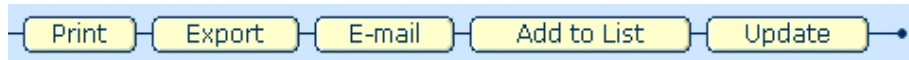


Figure 2-27. Actions bar

The Actions bar ([Figure 2-27](#)) displays on the Titles results page. See [Figure 2-28](#).

The Update action is used in combination with the Select and Sort By display options.

NOTE:

The Sort By option is only available when searching a single database.

The Select Page check box places checks against all the titles on the page to identify them for one of the following Actions:

- Print.
- Export.
- E-mail.
- Add to List.

The Select All check box places all results in an action buffer for processing with one of the Actions (Print, Export, E-mail, or Add to List). Check marks against the titles are not displayed with this selection.

NOTE:

The Select Page and Select All check box options only display when JavaScript is enabled in the browser. If JavaScript is disabled, select Update after checking Select Page or Select All or when using Sort By.

Titles

3 results found

[Edit Search](#)[Save Search](#)[Subjects](#) 1[Print](#)[Export](#)[E-mail](#)[Add to List](#)[Update](#)Select Page All Sort By: [Ethical dilemmas and legal issues in care of the elderly \[videodisc\]](#)1990
No call number
no holdings available[Nursing diagnosis in the extended care facility \[videorecording\]](#)1989
RT48 .N679 1989
✓available, Media Department[Primary care of the older adult : a multidisciplinary approach / \[edited by\] Mary M. Burke, Joy A. Laramie.](#)2000
W 84.6 P94918 2000 NLM
no item information, Main Collection[Print](#)[Export](#)[E-mail](#)[Add to List](#)[Update](#)Select Page All[Subjects](#) 1

Figure 2-28. Titles results page example

Actions

- [Make a Request](#)
(e.g. Hold, Recall, Photocopy)
- [Print](#)
- [Export](#)
- [E-mail](#)
- [Add to My List](#)

Figure 2-29. Actions list

The Actions list (Figure 2-29) displays when the title link is clicked to display the full record. See Figure 2-30.

Harry Potter and the deathly hallows /

Title: Harry **Potter** and the deathly hallows / J. K. Rowling ; illustrations by Mary GrandPré.
Author: [Rowling, J. K.](#)
Publisher: New York : Arthur A. Levine Books (Scholastic) 2007.
ISBN: 9780545010221
0545010225
9780545029360
0545029368
Format: Book
Subjects: [Potter, Harry \(Fictitious character\)--Fiction.](#)
[Wizards--Fiction.](#)
[Magic--Fiction.](#)
[Schools--Fiction.](#)
[Hogwarts School of Witchcraft and Wizardry \(Imaginary place\)--Fiction.](#)
[England--Fiction.](#)
Links: [cover art](#)
Held at: [Gaboon QA701DB](#)

This item
[Record View](#)
[Staff View](#)

Actions
• [Make a Request](#)
(e.g. Hold, Recall, Photocopy)
• [Print](#)
• [Export](#)
• [E-mail](#)
• [Add to My List](#)

More About This Item From
[SFX](#)
[Click to Request](#)

Holdings Information

Location: Main Collection
Call Number: 823.92 22
Number of Items: 1
Status: Not Charged
Linked Resources: [cover art](#)

Figure 2-30. Full record display with Actions list example

Print

The Print option displays the Print Titles page with one or more titles to print per the patron's selection.

A dropdown list provides Print Format options from which to select.

Export

The Export option displays the Export Results page with one or more titles to export per the patron's selection.

A dropdown list provides Export Format options such as Raw MARC, UTF-8 MARC and so forth from which to select.

E-mail

The E-mail option displays the E-mail page. Fields are provided for entering the following:

- To (address)
- Subject
- Body Text

Add to List/Add to My List

The Add to List or Add to My List options add selected titles to the My List page. Once stored on the My List page, these selections are available to view and process at a later session after logging in.

Make A Request

The Make A Request option displays the Patron Requests page that provides several patron request alternatives such as hold, recall, call slip, and so on for the holdings record selected.

Purpose

The purpose of this chapter is to do the following:

- Provide some best practices considerations when planning and implementing changes to WebVoyáge.
- Provide an overview of the directory structure and files needed to customize WebVoyáge.
- Provide some basic examples of changes you can make to WebVoyáge such as configuration changes in `webvoyage.properties`.

Before You Begin (Best Practices)

This chapter's focus is about customization. Customization implies change; and with change, planning is an important part of the process.

As a result, the intent of this section is to share a few reminders or things to consider before opening a file and making that first change. Consider the following as you prepare:

- Make a backup copy of all the original files you plan to change. Use a naming convention that makes it obvious that the file is in the original format and that it is a backup copy.

- Use Begin and End comments before and after the places where you make customization changes within a file. You may want to consider using something consistent in each comment like author's initials, institution name, or some other unique naming convention that makes it easy to search out the locations of customization changes at a later time.
- Use comments to describe the purpose of the customization change.
- Plan ahead for software upgrades. Consider the upgrade implications with the customization changes that you make and develop a plan for identifying changed files.
- Keep a record of all the files that you change.
- Make backup copies of the files in which you've made customization changes. Consider using a version control system to maintain customized files starting with the original source file.
- Save your edited/production files with UTF-8 character encoding.



IMPORTANT:

This requires using a text editor that allows you to save files with UTF-8 character encoding.

- Evaluate performance/use of caching (see [Performance/Caching](#) on [page 3-11](#)).

Where To Find Things

This section is intended to provide information that enables you to do the following:

- Identify code/options within the files that you want to change.
- Identify the files you need to customize within the WebVoyáge directory structure.

File Conventions

A common convention that is used in the WebVoyáge files is lines of comments to identify segments of code or provide a brief description of options.

As an example, the `webvoyage.properties` file is organized in sections such as Options, Connections, Header, Footer, Search Quick, Login page, and so on. These comments are located near the lines of code (options) that you can customize to match your preferences.

The `webvoyage.properties` file located in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` where `xxxdb` is your database name is one of the key files used to make customization changes (somewhat analogous to the `opac.ini` file in classic WebVoyage).

As you review the `webvoyage.properties` file, notice that additional comments have been included near the options to describe parameter choices.

**TIP:**

As part of your planning process for making customizations, you may want to print a copy of the `webvoyage.properties` file, read the comments/instructions provided within the file regarding the options, make notes on the hard copy regarding customization changes you want to implement, and use your hard copy notes to make those changes.

As you become familiar with the `webvoyage.properties` file, using the Search/Find features of your editor makes an easy method for locating lines of code (options) you want to change.

Directory Structure/Files Description

As part of the basic user's guide, the purpose of this section is to provide an overview of some key WebVoyage directories/files relative to customizing the product for your institution. See [Table 3-1](#) and [Table 3-2](#).

NOTE:

Also refer to *WebVoyage Architecture Overview and Configuration Models* for more customization information.

.../vwebv/

The primary path to the files that you most commonly modify is `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/` where `xxxdb` is your database name. See [Figure 3-1](#).

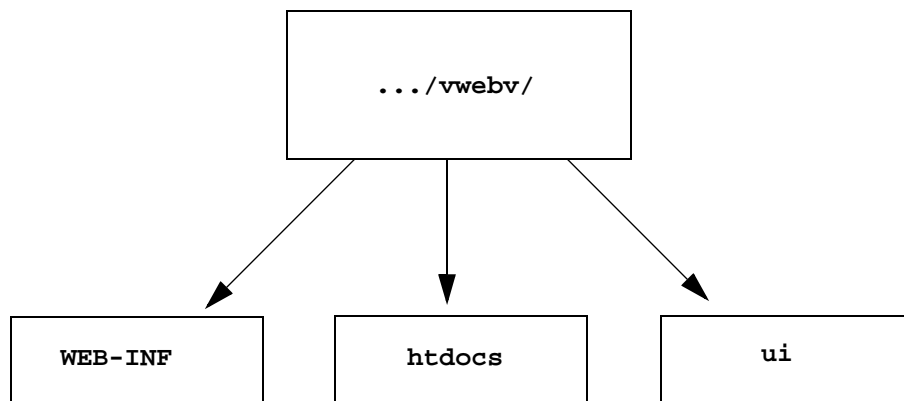


Figure 3-1. .../vwebv/ directory

See [Table 3-1](#) for a description of .../vwebv/ contents.

Regarding the directory structure highlighted in [Table 3-1](#), all the directories/files identified are preceded by /m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ where xxxdb is your database name.

Table 3-1. .../vwebv/ Description of Contents

Directory/Files	Description
WEB-INF/	<p>Contains the <code>web.xml</code> file where the help links, default skin, and filters are located.</p> <p>See What Is A Skin? on page 3-12 for more information regarding skins.</p> <p>Regarding Help, search for:</p> <pre><param-name>HelpURL</param-name> <param-value>ui/%SKIN%/htdocs/help/</param-value></pre> <p>Regarding skins, search for:</p> <pre><param-name>DefaultSkin</param-name> <param-value>en_US</param-value></pre> <p>Example skin URL format for Basic Search:</p> <pre>http://111.111.111.111:7008/vwebv/searchBasic?sk=en_US</pre> <p>For a filter example, see Frame Filter Example in web.xml on page 3-28.</p>
htdocs/	<p>Contains the default <code>index.html</code> file for accessing WebVoyage.</p> <p>See Appendix A for an example of the <code>index.html</code> file.</p> <p>The <code>index.html</code>, when accessed by the URL you define, opens a window that displays like the one seen in Figure 3-5 on page 3-14.</p>

Table 3-1. .../vwebv/ Description of Contents

Directory/Files	Description
ui/	<p>Identifies the root directory containing files and subdirectories that are key to customizing WebVoyage.</p> <p>See Table 3-2 on page 3-8 for more details.</p> <p>Copy the base <code>en_US</code> directory (and subdirectories) located in <code>/ui/</code> as many times as needed to the <code>/ui/</code> directory to create alternative skins to do the following:</p> <ul style="list-style-type: none"> • Make alternate language interfaces. • Make alternate configurations for different devices. • Make alternate configurations for consortium libraries (all pointing to the same database). • Make test configurations. <p>⚠ CAUTION: <i>Do not modify the <code>exl_default</code> skin located in the <code>/ui/</code> directory. This is intended for use by Ex Libris Support.</i></p>

.../ui/en_US/

The path to `.css`, `.xsl`, and other files that you most commonly modify/customize is `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` where `xxxdb` is your database name. See [Figure 3-2](#) for an illustration of the directory structure.

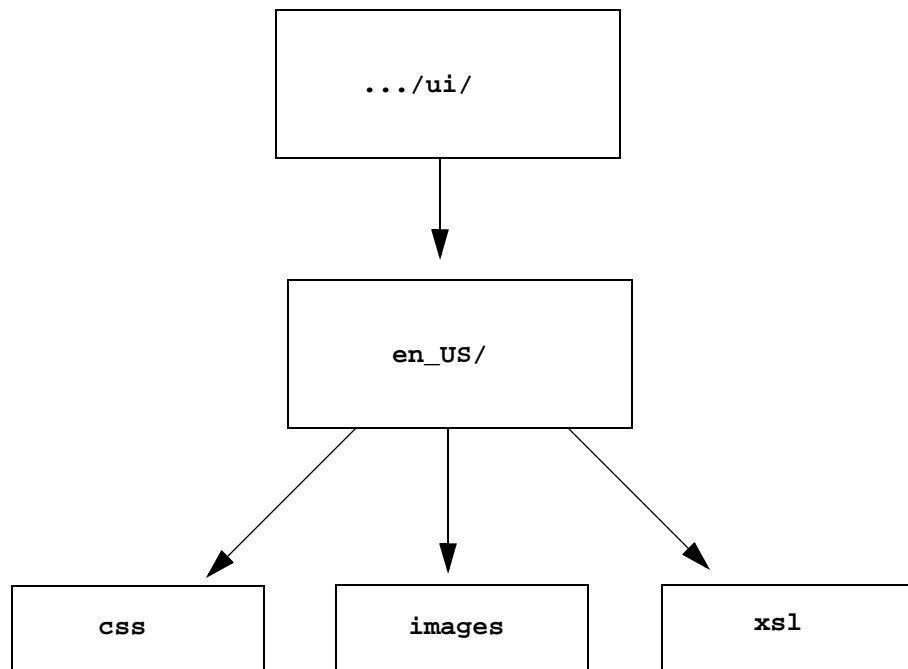


Figure 3-2. `.../ui/en_US/` directory structure

The `.../ui/en_US/` directory provides the default files and subdirectories used to localize skins. Each subdirectory provides skin settings for functional, language, and appearance changes.

The default skin, `.../en_US/`, is identified in the `web.xml` file. Substitute your skin (directory name) to establish a new default.

You can create your own customized skin by copying `.../en_US/` and all its subdirectories/files and giving it a unique name such as `.../en_USxxx/` where `xxx` is the name that you append for skins in U.S. English. For example, `.../en_US_ABCUniv/`. This name becomes a part of the URL for accessing the skin as in `http://xxx.xxx.xxx.xxx:7008/vwebv/searchBasic?sk=en_US_ABCUniv`. Use the following syntax to copy the files:

```
cp -r en_US [target]
```

You may access your modified skin settings by entering the skin name as part of a URL using the pattern of the following examples where `en_US_ABCUniv` is your customized skin directory name:

http://111.111.111.111:7008/vwebv/
searchBasic?sk=en_US_ABCUniv
(**Basic** search tab)

http://111.111.111.111:7008/vwebv/
searchAdvanced?sk=en_US_ABCUniv
(**Advanced** search tab)

http://111.111.111.111:7008/vwebv/
searchAuthorBasic?sk=en_US_ABCUniv
(**Author** search tab)

When entered from the URL in your browser, the customized skin remains active until you end your WebVoyáge session.

See [Table 3-2](#) through [Table 3-7](#) for a description of commonly accessed directories and files like `webvoyage.properties` and `pageProperties.xml` found in `.../ui/en_US/` and its subdirectories.

For [Table 3-2](#) through [Table 3-7](#), all the directories/files identified are preceded by `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` where `xxxdb` is your database name.

The directories/files described in [Table 3-2](#) are all a subset of any skin directory.

Table 3-2. .../ui/en_US/ Description of Contents



Directory/Files	Description
internal.properties	Used by Ex Libris development and support staff only.
webvoyage.properties	Provides configuration options for several display characteristics and system behaviors such as which page to return to when one logs out.  TIP: <i>Refer to file comments for configuration assistance.</i>
mapsearch.properties	Provides configuration options for setting up Geospatial map search.  TIP: <i>Refer to file comments for configuration assistance.</i>

Table 3-2. .../ui/en_US/ Description of Contents

Directory/Files	Description
css	Contains cascading style sheets that control the appearance of elements on each page in vwebv to include color settings.
images	Contains logos, icons, and other image files such as the ones used on tabs and buttons.
jscripts	Contain JavaScript files used by WebVoyage.
xsl	Contains XSL stylesheets for transforming XML data from the server into specific page layout with headers, footers, and so on.

Table 3-3. .../ui/en_US/css/ Description of Contents

Directory/Files	Description
css/print	Contains style sheets used for printing records.
css/frameWork.css	Sets basic fonts and colors.

Table 3-4. .../ui/en_US/htdocs/ Description of Contents

Directory/Files	Description
help	Contains the .html help files.

Table 3-5. .../ui/en_US/images/ Description of Contents

Directory/Files	Description
bibFormat	Contain images used as record format icons.

Table 3-6. .../ui/en_US/xsl/ Description of Contents

Directory/Files	Description
common	Contains the following XSL stylesheets for managing constants used in the interface: <ul style="list-style-type: none"> • constants.xls • constantStrings.xsl • stdImports.xsl For an example, see Customization Example - Date on page 3-30 .
contentLayout	Contains working XSL for page displays.
exportFormats	Contains XSL files that drive the actual export format output.
pageFacets	Contains XSL files with templates for common page elements such as headers, footers, and so on.
PageTools	Contains XSL files with templates used on pages to help create a button, create an image URL, and so forth.
printFormats	Contains XSL files that drive actual print format output.
userTextConfigs	Contains XML files that contain assisting message text for page displays and that contain options for limits configuration.
emailBody.xsl	Provides settings for email footer information.
printFormats/printCommon.xsl	Provides formatting for footer data on printouts.
userTextConfigs/pageProperties.xml	Provides XML options for search tips, instructions, Geospatial setup, and other messages.
userTextConfigs/limits.xml	Provides limits settings (in order) for advanced search.

Table 3-7. .../ui/en_US/xsl/contentLayout/ Description of Contents

Directory/Files	Description
configs	Contains XML files for configuring MARC, bibliographic, holdings, and item displays.

Table 3-7. .../ui/en_US/xsl/contentLayout/ Description of Contents

Directory/Files	Description
configs/export	Contains XML files for configuring MARC, bibliographic, holdings, and item export formats.
configs/print	Contains XML files for configuring MARC, bibliographic, holdings, and item printing.
display	Contains XSL templates for MARC display, export, and print functionality
configs/104X_config.xml	Provides 104X “NISO” or “Standard” display settings.
configs/displayHoldings.xml	Provides record display holdings/items MARC tag configuration settings.
configs/displaycfg.xml	Provides record display bibliographic MARC tags configuration settings.
configs/emailcfg.xml	Provides record email bibliographic MARC tags configuration settings.
configs/export	Contains export format files.
configs/export/ endNoteCitationConfig.xml	Provides record export bibliographic MARC tags configuration format.
configs/print	Contains XML files containing print formats.
configs/print/ briefRecordConfig.xml	Provides XML formatting for printing bibliographic MARC record tags in the brief record configuration.
configs/print/ fullRecordConfig.xml	Provides XML formatting for printing bibliographic MARC record tags in the full record configuration.

Performance/Caching

Caching is available in WebVoyáge for the contents of the *.properties and *.xsl files. By storing the contents of these files in cache, WebVoyáge avoids the process of going to disk to repeatedly read the information in these files and, thereby, providing some performance improvements. To enable this caching feature, you need to set the UsePropertiesCache context parameter in the web.xml file to yes (y). See the example below.

```
<context-param>
  <description>
    Option to enable caching contents of *.properties and *.xsl files.
    If set to Y, then the the properties and stylesheet files will be read
    from
    disk the first time they are needed, and any changes made to the files
    will
    not be picked up until tomcat is restarted.
    Default is not to cache.
  </description>
  <param-name>UsePropertiesCache</param-name>
  <param-value>Y</param-value>
</context-param>
```

Setting this parameter to N disables caching. The default setting for this parameter is N.

The web.xml file is located in /m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/WEB-INF/ where xxxdb is your database name.

What Is A Skin?

A concept that is key to understanding how to approach the customization of WebVoyáge is the concept of skins.

A skin is a method for identifying presentation style (display) characteristics separate from the logic of the software application.

In WebVoyáge, there are several files that control the presentation style within the skin. The root directory for the WebVoyáge default skin is ../en_US/. You may copy ../en_US/ and all its subdirectories to create a new presentation style and make that skin your new default. The default skin is identified in web.xml.

For more details regarding the WebVoyáge architecture and customizing the skin, see *WebVoyáge Architecture Overview and Configuration Models*.

Customization Example - Text

This section is designed to illustrate examples where you can customize text in the WebVoyáge user interface.

Footer - “Your Library Name Here”

The out-of-the-box version of WebVoyáge provides a place in the footer of the user interface where you can tailor it to display your institution’s name. See [Figure 3-3](#).

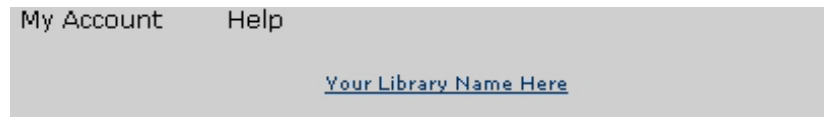


Figure 3-3. Your Library Name Here example

Use [Procedure 3-1, Customize Footer Text](#) to customize the footer text in WebVoyáge for your institution.



Procedure 3-1. Customize Footer Text

Use the following steps to customize the footer text.

1. Locate the `webvoyage.properties` file stored in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` where `xxxdb` is your database name.
2. Open `webvoyage.properties` in your editor of choice and search for *Your Library Name Here*.

NOTE:

Remember to make copies of original files before making changes. See [Before You Begin \(Best Practices\)](#) on [page 3-1](#) for additional information.

3. Replace *Your Library Name Here* with your university’s name or other footer text you prefer. See [Figure 3-4](#).

NOTE:

You may optionally comment out the code to prevent any footer name from displaying.



Figure 3-4. Customized footer name

4. Save your updated `webvoyage.properties` file in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/`.

index.html Text Change

This section describes how you can make some textual changes to customize the default `index.html` file for your institution. It is located in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/htdocs/` where `xxxdb` is your database name.

In its original form, the default `index.html` opens as seen in [Figure 3-5](#).

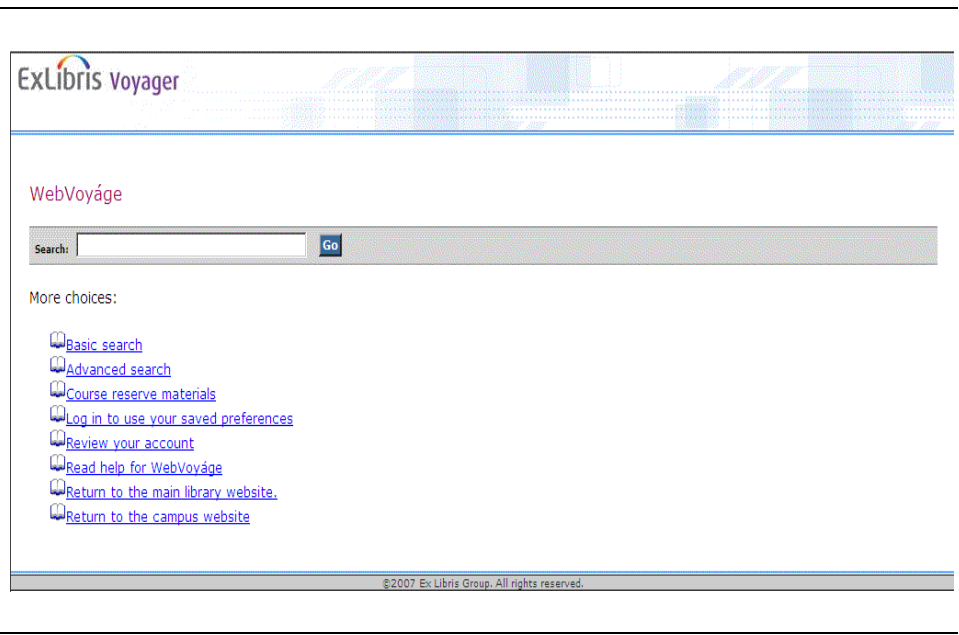


Figure 3-5. Default window

As an example, this section highlights code changes to produce the result as seen in [Figure 3-6](#).

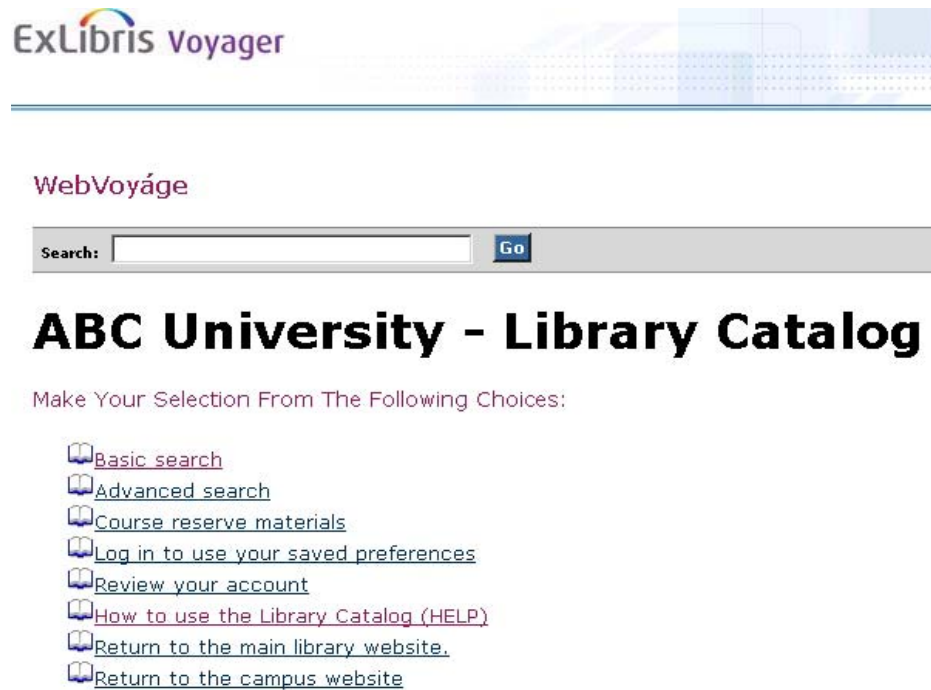


Figure 3-6. Example of textual changes to index.html

For comparison purposes, refer to the lines of code in [Figure 3-7](#) that illustrates the original `index.html` and [Figure 3-8](#) that illustrates the changes.

Specifically, the following lines changed:

- Line 1 was removed from the original file and replaced with lines 1 and 2 as seen in [Figure 3-8](#).

To achieve different font characteristics, heading 1 (h1) and heading 2 (h2) styles were used in place of the default paragraph (p) style.

- Line 8 text was changed from “Read help for WebVoyage” to “How to use the Library Catalog (HELP).”

Notice that in line 8 there is also a reference to the help file such as `/vwebv/ui/en_US/htdocs/help/index.html`.



TIP:

Update the file referenced in line 8 to provide your library-specific help information like library policies, hours of operation and so forth or create a separate file that you point to (enter) in line 8.

```
Line#
1      <p>More choices:</p>
2      <ul>
3          <li><a href="/vwebv/searchBasic?sk=en_US">Basic search</a></li>
4          <li><a href="/vwebv/searchAdvanced?sk=en_US">Advanced search</
5          a></li>
6          <li><a href="/vwebv/enterCourseReserve.do?sk=en_US">Course
7          reserve materials</a></li>
8          <li><a href="/vwebv/login?sk=en_US">Log in to use your saved
9          preferences</a></li>
10         <li><a href="/vwebv/myAccount?sk=en_US">Review your account</
11         a></li>
12         <li><a href="/vwebv/ui/en_US/htdocs/help/index.html">Read help
13         for WebVoyáge</a></li>
14         <!-- the following links must be customized locally -->
15         <li><a href="#">Return to the main library website.</a></li>
16         <li><a href="#">Return to the campus website</a></li>
17     </ul>
```

Figure 3-7. Default index.html file

```
Line#
1      <h1>ABC University - Library Catalog</h1>
2      <h2>Make Your Selection From The Following Choices:</h2>
3      <ul>
4          <li><a href="/vwebv/searchBasic?sk=en_US">Basic search</a></li>
5          <li><a href="/vwebv/searchAdvanced?sk=en_US">Advanced search</
6          a></li>
7          <li><a href="/vwebv/enterCourseReserve.do?sk=en_US">Course
8          reserve materials</a></li>
9          <li><a href="/vwebv/login?sk=en_US">Log in to use your saved
10         preferences</a></li>
11         <li><a href="/vwebv/myAccount?sk=en_US">Review your account</
12         a></li>
```

Figure 3-8. Default index.html file modified

Line#	
9	<code>How to use the Library Catalog (HELP)</code>
10	<code><!-- the following links must be customized locally --></code>
11	<code>Return to the main library website.</code>
12	<code>Return to the campus website</code>
13	<code></code>

Figure 3-8. Default index.html file modified (Continued)


Customization Example - Search

There are several options for customizing search within WebVoyage. This section is intended to highlight some of those options.

As you build your skills with customizing WebVoyage, learn to take full advantage of the commenting done within the files of code that describe the options.

Quick Search

You may customize the quick search bar (see [Figure 3-9](#)) to default to the search index of your choice.



The image shows a horizontal search bar with a light gray background. On the left, the text "New Search :" is followed by a white text input field. To the right of the input field is a blue button with the word "Go" in white text.

Figure 3-9. Quick search bar

By default, the quick search bar uses the GKEY index. You may change this default in the `webvoyage.properties` file to another search index. Any search index code in the system may be specified.

There are other modifiers you can add after the index search code (see line 7 of [Figure 3-10](#)). Refer to [Table 3-8](#) for a description of these modifiers.

NOTE:

These modifiers are not compatible with non-keyword indexes such as 008D (Publication Date) or 020A (ISBN), for example.

Table 3-8. Search Code Modifiers

Modifier	Description
+	Indicates browse search type.
*	Indicates relevance search type.
^	Indicates to insert an AND operator between the strings in a search.
	Indicates to insert an OR operator between the strings in a search.

See [Procedure 3-2, Change Quick Search Bar Search Index Default](#) for the steps to change the default.



Procedure 3-2. Change Quick Search Bar Search Index Default

Use the following steps to change the default search index for the quick search bar.

1. Open the `webvoyage.properties` file in `/ml/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` and locate `page.search.quick.search.code=GKEY` (see [Figure 3-10](#), line 7).

```

Line#
1 #####
2 #
3 # Quick Search
4 #
5 #####
6 page.searchQuick.argument.label=New Search :
7 page.search.quick.search.code=GKEY^*
8 page.searchQuick.go.button=Go
    
```

Figure 3-10. Quick search customization example

Line#	
9	page.searchQuick.go.button.message=Submit search the library
10	page.searchQuick.searchHistory.linkText=Search History
11	page.searchQuick.searchHistory.link.pretext=
12	page.searchQuick.searchHistory.link.posttext=
13	#####

Figure 3-10. Quick search customization example (Continued)

2. Replace GKEY with the index you prefer.

NOTE:

The search code must be one of the codes listed in the Search Indexes definitions in the Voyager System Administration module.

3. Save your changes.

Search Pages

There are several search pages such as Basic, Advanced, Subject, and so on and there are many options for customizing these searches. The comments within the `webvoyage.properties` file helps guide you through many customization alternatives.

Some changes can be as simple as adding or removing comment indicators to the line(s) of code. See [Procedure 3-3, Changing the Dropdown List of Search Types for Basic Search](#).



Procedure 3-3. Changing the Dropdown List of Search Types for Basic Search

Use the following steps to change the dropdown list of search types for Basic search.

1. Open the `webvoyage.properties` file in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` and locate the Basic Search section. See [Figure 3-11](#).

```

Line#
1 #####
2 #
3 #   Search Basic
4 #
5 #####
6 page.search.basic.title=WebVoyáge Basic Search
7 page.search.basic.heading=Basic Search
8 #
9 # The Search Code must be one of the codes listed on either the Search
10 # Definitions, Composite Definitions, or Keyword Searches dialogs (in the
11 # System Administration module). In addition to the search codes on those
12 # dialogs,
13 # you may use the codes FT (Full-Text Keyword Search) and CMD or BT (Command
14 # Search.)
15 #
16 # To modify search codes, you may use the following:
17 #
18 # ? Enter a plus (+) sign after the Search Code. This will turn that particular
19 # search into a Browse search. For example, entering AUTH+ would specify
20 # an Author Browse search type.
21 #
22 # ? Enter an asterisk (*) after the Search Code. This will cause that search to
23 # be performed with Relevance. For example, entering CMD* will indicate a
24 # Command Search with Relevance search type.
25 #
26 # ? Enter a caret (^) after an index code (such as GKEY, SKEY, TKEY, JKEY,
27 # etc.) to insert an AND operator between the strings in a search. An asterisk
28 # may be placed after this symbol to add relevance to the search.
29 #
30 # ? Enter a pipe (|) after an index code (such as GKEY, SKEY, TKEY, JKEY,
31 # etc.) to insert an OR operator between the strings in a search. An asterisk
32 # may be placed after this symbol to add relevance to the search.

```

Figure 3-11. Basic Search section of the webvoyage.properties file

```

Line#
31
32 #=====
33 # Basic search codes
34 #=====
35 page.search.basic.search.code.selected=GKEY|*
36 page.search.basic.search.code.keyAnyAndWith=
37 page.search.basic.search.code.keyAnyAndWith.code=GKEY^*
38 page.search.basic.search.code.keyAnyAndWith.order=1
39 page.search.basic.search.code.keyAnyAndWith.display=All Fields
40 #page.search.basic.search.code.keyAnyOrWith=
41 #page.search.basic.search.code.keyAnyOrWith.code=GKEY|*
42 #page.search.basic.search.code.keyAnyOrWith.order=2
43 #page.search.basic.search.code.keyAnyOrWith.display=Keyword Anywhere OR with
    Relevance
44 page.search.basic.search.code.titleKeyAnd=
45 page.search.basic.search.code.titleKeyAnd.code=TKEY^
46 page.search.basic.search.code.titleKeyAnd.order=3
47 page.search.basic.search.code.titleKeyAnd.display=Title
48 page.search.basic.search.code.subjectKeyAnd=
49 page.search.basic.search.code.subjectKeyAnd.code=SKEY^
50 page.search.basic.search.code.subjectKeyAnd.order=4
51 page.search.basic.search.code.subjectKeyAnd.display=Subject
52 page.search.basic.search.code.journalTitleKeyAnd=
53 page.search.basic.search.code.journalTitleKeyAnd.code=JKEY^
54 page.search.basic.search.code.journalTitleKeyAnd.order=5
55 page.search.basic.search.code.journalTitleKeyAnd.display=Journal Title
56 #page.search.basic.search.code.keyRelSearch=
57 #page.search.basic.search.code.keyRelSearch.code=FT*
58 #page.search.basic.search.code.keyRelSearch.order=6
59 #page.search.basic.search.code.keyRelSearch.display=Keyword Relevance Search
60 page.search.basic.search.code.authorKey=
61 page.search.basic.search.code.authorKey.code=NKEY*

```

Figure 3-11. Basic Search section of the webvoyage.properties file (Continued)

```

Line#
62  page.search.basic.search.code.authorKey.order=7
63  page.search.basic.search.code.authorKey.display=Author
64  #page.search.basic.search.code.leftAnchorTitle=
65  #page.search.basic.search.code.leftAnchorTitle.code=TALL
66  #page.search.basic.search.code.leftAnchorTitle.order=8
67  #page.search.basic.search.code.leftAnchorTitle.display=Left Anchored Title
68  page.search.basic.search.code.callNumberBrowse=
69  page.search.basic.search.code.callNumberBrowse.code=CALL+
70  page.search.basic.search.code.callNumberBrowse.order=9
71  page.search.basic.search.code.callNumberBrowse.display=Call Number
72  #page.search.basic.search.code.subjectBrowse=
73  #page.search.basic.search.code.subjectBrowse.code=SUBJ+
74  #page.search.basic.search.code.subjectBrowse.order=10
75  #page.search.basic.search.code.subjectBrowse.display=Subject Browse
76  #page.search.basic.search.code.commSearchWithRel=
77  #page.search.basic.search.code.commSearchWithRel.code=CMD*
78  #page.search.basic.search.code.commSearchWithRel.order=11
79  #page.search.basic.search.code.commSearchWithRel.display=Command Search with
      Relevance
80  #page.search.basic.search.code.dateSearch=
81  #page.search.basic.search.code.dateSearch.code=008D
82  #page.search.basic.search.code.dateSearch.order=12
83  #page.search.basic.search.code.dateSearch.display=Date Search (Left Anchored)
84  #page.search.basic.search.code.nameTitleBrowse=
85  #page.search.basic.search.code.nameTitleBrowse.code=AUTH+
86  #page.search.basic.search.code.nameTitleBrowse.order=13
87  #page.search.basic.search.code.nameTitleBrowse.display=Name Title Browse
88  #page.search.basic.search.code.fullTextKeySearch=
89  #page.search.basic.search.code.fullTextKeySearch.code=FT
90  #page.search.basic.search.code.fullTextKeySearch.order=14
91  #page.search.basic.search.code.fullTextKeySearch.display=Full Text Keyword
      Search
92  #page.search.basic.search.code.commandSearch=

```

Figure 3-11. Basic Search section of the webvoyage.properties file (Continued)

Line#	
93	#page.search.basic.search.code.commandSearch.code=CMD
94	#page.search.basic.search.code.commandSearch.order=14
95	#page.search.basic.search.code.commandSearch.display=Command Search
96	#page.search.basic.search.code.subjectHeadingsKeyword=
97	#page.search.basic.search.code.subjectHeadingsKeyword.code=SUBJ@
98	#page.search.basic.search.code.subjectHeadingsKeyword.order=15
99	#page.search.basic.search.code.subjectHeadingsKeyword.display=Subject Headings Keyword

Figure 3-11. Basic Search section of the webvoyage.properties file (Continued)

2. Identify the lines of code associated with the dropdown list items you want to add or remove from the list (see lines 35 through 99 in [Figure 3-11](#)).
 - a. To add options to the Basic search dropdown list, remove the # symbol (comment indicator) such as in lines 72 through 75 of the code shown in [Figure 3-11](#) to add the Subject Browse option.
 - b. To remove options from the Basic search dropdown list, place the #symbol in the first position of the lines of code such as lines 68 through 71 of the code shown in [Figure 3-11](#) to remove the Call Number option.

NOTE:

For each search option there are four lines of code that identify the following:

- Definition.
 - Index code.
 - Order in which to display in the dropdown list.
 - Name to display in the dropdown list.
3. Repeat this process of adding or removing the # symbol to the lines of code you want to affect.
 4. Save your changes.

Canned Search - URL

With the flexibility of the web architecture, you may create and store URLs with criteria that is used for canned, repeatable searches.

What Is Required?

The following components are required in the URL statement:

- Address and search target.

`http://111.111.111.111:7008/vwebv/search?`

- Search argument.

`searchArg=[search term(s)]`

- Search code.

`searchCode=[index code number]`

Specify an index available in your system such as GKEY, TKEY, and so on.

- Search type.

`searchType=[type number]`

See [Figure 3-9](#).

Table 3-9. Search Types

Search Type	Number
Quick	0
Basic	1
Advanced	2
Subject	3
Author	4
Course Reserve	5

See [Figure 3-12](#) for an example of a search URL statement.

```
http://111.111.111.111:7008/vwebv/
search?searchArg=harry+potter&searchCode=GKEY&searchType=1
```

Figure 3-12. Canned search URL example

When using WebVoyage to search the database, you may notice that the URL statements contain additional (optional) information.

For example, `recCount=` may be added to a stored URL to control the number of records per page. If this is not specified, the default of 10 records per page is used.

The `limitTo=` option may also be used. It is not required. When used in the URL statement, it must match a value from the quick limits dropdown list from the Basic search page.

Expand your number of canned searches by saving (and optionally editing) the URL statements generated by WebVoyage when you process searches in the system.

Customization Example - Logo

This section describes basic logo customization information for WebVoyage.

Logo Example

See [Procedure 3-4, Customizing the Logo Display](#) for steps regarding how to customize the logo that displays in the header section of the page as in [Figure 3-13](#).



Figure 3-13. Logo example



Procedure 3-4. Customizing the Logo Display

Use the following steps to customize the logo display.

1. Open the `webvoyage.properties` file in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/` and locate the Header section. See [Figure 3-14](#) for an example.

```
Line#
  1
  2 #####
  3 #
  4 #   Header
  5 #
  6 #####
  7 page.header.login.linkText=Log in
  8 page.header.login.link.pretext=
  9 page.header.login.link.posttext= to your account
 10 page.header.logout.linkText=Logout
 11 # the username from the patron record will be inserted as the first pretext
    element
 12 page.header.logout.link.pretext= is logged in
 13 page.header.logout.link.posttext=
 14 page.header.logo.image=ui/en_US/images/webVoyageLogo.jpg
 15 page.header.logo.link=exit.do
 16 page.header.logo.linkText=WebVoyáge
```

Figure 3-14. Header section of `webvoyage.properties` file

2. Locate the line of code that specifies the name of the logo image. See line 14 in [Figure 3-14](#).
3. Edit this line of code to specify the name of your logo image file.

NOTE:

Your custom logo needs to be stored in the `/images/` subdirectory of the skin path. The full path is `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/images/`.

OPTIONAL:

4. *Edit the skin name if you are using a custom skin. For example, line 14 of [Figure 3-14](#) may be edited as follows:*

```
page.header.logo.image=ui/en_US_ABCUniv/images/ABCUnivLogo.jpg
```

5. Save your changes.
-

Customization Example - Color (Basic)

In designing the updated (7.x) WebVoyage user interface (UI), considerable thought and research was given to the color choices relative to how color works as a single design component of the overall appearance and display of the WebVoyage UI.

There are a large number of display components that have color associated with them. Many cascading style sheets control these settings. Refer to the `.css` files located in `/ml/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/css/` where `xxxdb` is your database name.

As part of a basic user's guide, the intent of this section is to provide some general information regarding color.

For example when you change text, using heading styles change the appearance. See [Figure 3-6](#) on [page 3-15](#).

As you customize menu lists such as the one in [Figure 3-15](#), keeping a consistent appearance is a consideration. When you make your changes, you can follow the existing pattern for these lines of code. The [Figure 3-15](#) menu list is coded in `index.html`. Refer to this file for example lines of code. See `/ml/voyager/xxxdb/tomcat/vwebv/context/vwebv/htdocs/` where `xxxdb` is your database name.

Notice also in [Figure 3-15](#), that separate color settings have been standardized for used and unused links.









-
-  [Basic search](#)
 -  [Advanced search](#)
 -  [Course reserve materials](#)
 -  [Log in to use your saved preferences](#)
 -  [Review your account](#)
 -  [Read help for WebVoyáge](#)
 -  [Return to the main library website.](#)
 -  [Return to the campus website](#)

Figure 3-15. Menu list example

For more information regarding WebVoyáge architecture and cascading style sheets, see *WebVoyáge Architecture Overview and Configuration Models*.

Frame Filter Example in web.xml

The `web.xml` file located in `/m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/WEB-INF/` has implemented a frame filter that can be configured to prevent frame vulnerability (see [Figure 3-16](#)).

```

<filter>
  <filter-name>No Frame Filter</filter-name>
  <filter-class>com.endinfosys.util.NoFrameFilter</filter-class>
  <init-param>
    <param-name>enabled</param-name>
    <param-value>>false</param-value>
  </init-param>
  <init-param>
    <param-name>mode</param-name>
    <!--
      DENY
      The page cannot be displayed in a frame, regardless of the site
      attempting to do so.
      SAMEORIGIN
      The page can only be displayed in a frame on the same origin as
      the page itself.
      ALLOW-FROM uri
      The page can only be displayed in a frame on the specified origin.
      This one isn't that well supported right now across all browsers.
    -->
    <param-value>DENY</param-value>
  </init-param>
</filter>

```

Figure 3-16. web.xml Frame Filter Example

To enable this filter, you need to set the param-value to true for <param-name>enabled</param-name>. When you set this value to true, you also need to set the param-value to DENY or SAMEORIGIN for the mode (<param-name>mode</param-name>). This sets a response header of X-FRAME-OPTIONS in any request response to the value you specify.

DENY specifies that the page cannot be displayed in a frame regardless of the site attempting to do so. SAMEORIGIN indicates that the page can only be displayed in a frame of the same origin as the page itself.

Customization Example - Date

The constants.xml file located in /m1/voyager/xxxdb/tomcat/vwebv/context/vwebv/ui/en_US/xml/common/ provides 12-hour or 24-hour time formatting configuration options for media equipment booking and media item booking in WebVoyage (see [Figure 3-17](#), [Figure 3-18](#), and [Figure 3-19](#)).

The screenshot shows a web form titled "Media Equipment Booking" with a light blue background. The form contains the following elements:

- Select Equipment:** A dropdown menu with four options: "27 Color TV", "36 Color TV", "29 Color TV", and "Cassette Player".
- Select Start Date and Time:** A text input field containing "2012-07-10 16:00:00" with a calendar icon to its right.
- Select End Date and Time:** A text input field containing "2012-07-10 16:00:00" with a calendar icon to its right.
- Pick Up At:** A radio button followed by a dropdown menu showing "Media Center".
- Deliver To:** A radio button followed by a dropdown menu showing "College - 101A - Lloyd Bridges Auditorium".
- Equipment In Room:** A text area containing two lines of text: "Projection Screen 7x7 :SC-050 AVS0817 Not Charged" and "Projection Screen 7x7 :SCREEN7X7 AVS0702 Not Charged".
- Buttons:** Two buttons at the bottom: "Check Schedule" and "Cancel".

Figure 3-17. WebVoyage Media Equipment Booking Example

Media Item Booking

Title: 12 angry men /

Call Number: DAA 0681 (viewing copy)

Select an item: c.0 Videotape - VHS Audio/Visual

This item is not available during the following times:

This item may be booked for up to 24 Hour(s).

Select Start Date and Time: 2012-07-10 16:00:00

Select End Date and Time: 2012-07-10 16:00:00

Pick Up At: Media Center

Deliver To: College - 101A - Lloyd Bridges Auditorium

Equipment In Room: Projection Screen 7x7 :SC-050 AVS0817 Not Charged
Projection Screen 7x7 :SCREEN7X7 AVS0702 Not Charged

Other Equipment Available For Your Booking: TV/VCR Combo
VHS Player
VHS Recorder
27 Color TV

Figure 3-18. WebVoyage Media Item Booking Example

```

<!-- ## This is where we will configure the time format used on the Media
      Scheduling
      ## request forms as well as the Media Request Confirmation Page
      ## Set the value to 12 or 24
      ## 12 : 12 Hour format, uses AM / PM
      ## 24 : 24 Hour format
      ## any other value will default to 24 hour format
-->
<xsl:variable name="timeFormat" select="'24'"/>

```

Figure 3-19. constants.xls Time Formatting Customization Example

Per the description in the `constants.xml` file, specify 12 or 24 in the `select=` parameter to indicate your preference for the 12-hour format or the 24-hour format.

Default index.html File



Default index.html File

See [Figure A-1](#) for a sample of the default `index.html` file. It is located in `/ml/voyager/xxxdb/tomcat/vwebv/context/vwebv/htdocs/` where `xxxdb` is your database name.

```
Line#
1
2 <head>
3   <META http-equiv="Content-Type" content="text/html; charset=UTF-8">
4   <style type="text/css">@import "/vwebv/ui/en_US/css/frameWork.css";</style>
5   <style type="text/css">@import "/vwebv/ui/en_US/css/header.css";</style>
6   <style media="screen" type="text/css">@import "/vwebv/ui/en_US/css/
7     quickSearchBar.css";</style>
8   <link href="/vwebv/ui/en_US/css/help.css" rel="stylesheet" type="text/css">
9
10  <title>Welcome to WebVoyage</title>
11 </head>
12 <body class="frameWorkUI">
```

Figure A-1. Default index.html file example

```

Line#
12 <div id="pageContainer">
13     <div id="pageHeader">
14         <div id="headerRow">
15             <div id="logo">
16                 
17             </div>
18         </div>
19     </div>
20 <div id="mainContent" class="help">
21 <h1 id="pageHeadingTitle">WebVoyage</h1>
22
23 <div id="quickSearchBar">
24 <form method="get" action="/vwebv/search">
25     <span id="quickSearchArg"><label for="searchArg">Search: </label><input
26         id="searchArg" name="searchArg" class="inputStyle" size="36"
27         type="text"></span><span id="searchButton">
28         <input id="quickSearchButton" value="Go" type="submit"
29             alt="Go get search results" src="/vwebv/ui/en_US/images/
30             btn_go.gif"></span><input value="GKEY*" name="searchCode"
31             type="hidden">
32         <input value="0" name="searchType" type="hidden">
33     </form>
34 </div>
35 <p>More choices:</p>
36 <ul>
37     <li><a href="/vwebv/searchBasic?sk=en_US">Basic search</a></li>
38     <li><a href="/vwebv/searchAdvanced?sk=en_US">Advanced search</
39     a></li>
40     <li><a href="/vwebv/enterCourseReserve.do?sk=en_US">Course
41     reserve materials</a></li>
42     <li><a href="/vwebv/login?sk=en_US">Log in to use your saved
43     preferences</a></li>
44     <li><a href="/vwebv/myAccount?sk=en_US">Review your account</
45     a></li>
46     <li><a href="/vwebv/ui/en_US/htdocs/help/index.html">Read help
47     for WebVoyage</a></li>
48     <!-- the following links must be customized locally -->
49     <li><a href="#">Return to the main library website.</a></li>
50     <li><a href="#">Return to the campus website</a></li>

```

Figure A-1. Default index.html file example (Continued)

```
Line#
41 </ul>
42
43 </div> <!-- end mainContent -->
44
45 <div id="pageFooter">
46 <div id="copyright">
47     <span id="copySymbol">&copy;</span><span>2007 Ex Libris Group. All
        rights reserved.</span>
48 </div>
49 </div> <!-- end of pageFooter -->
50 </div> <!-- end page container -->
51 </body>
52 </html>
```

Figure A-1. Default index.html file example (Continued)

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