

NBIA Branding Guide

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Branding NBIA Classic

The [NBIA Classic](#) application is currently in production, primarily to provide administrative tools. The [NBIA Client](#) is the new search interface for NBIA and is also in production.

To brand the NBIA Classic application, the developer will need to download the code from GitHub <https://github.com/CBIIT/national-biomedical-image-archive> and build the application using the ant target `build:all`. You will need to have the following required software:

Required Software Name and Version	Description
Java SE Development Kit 8  Be sure to download the correct Java SDK for your operating environment. For example, for Linux AMD 64, you would download <code>jdk-8u101-linux-x64.tar.gz</code> and for Windows, <code>jdk-8u101-windows-x64.exe</code> . You must also factor in if the system is 32 or 64-bit. A 32-bit system cannot install 64-bit software. It is recommended that you install 32-bit Java SDK in a Windows environment even if your system is 64-bit because generating CTP thumbnail image only works properly with the 32-bit JDK in Windows.	The J2SE Development Kit (JDK) supports creating J2SE applications.
Apache Ant 1.8.4 http://archive.apache.org/dist/ant/binaries/ 	Apache Ant is a Java-based build tool.

Branding in NBIA is accomplished by editing and or replacing the objects in the branding folders found in `/software/common/resources/branding`. The `nbia` folder contained within is the default branding for NBIA. The subfolder called `images` contains the customizable images for the application; they include:

Name	Dimensions
<code>FNLfCR-LOGO.png</code>	200 x 39
<code>footer_usagov.gif</code>	127 x 31
<code>Logo-NCIA.jpg</code>	500 x 53
<code>nci-header.png</code>	300 x 38
<code>nci-link.png</code>	300 x 38
<code>NCI-logo-white.png</code>	54 x 32
<code>NCICBLOGO.gif</code>	126 x 43
<code>white-ncilogo.gif</code>	263 x 39
<code>white-nciurl.gif</code>	99 x 39
<code>white-nihtext.gif</code>	208 x 39

To use your own images, simply replace the image while keeping the same name as the original one in your new folder; the build will update it accordingly. At the base level of the folder are the XHTML/properties files that allow customization. Those files are listed in the following table.

Name	Purpose
<code>appFooter.xhtml</code>	The footer of the application
<code>appHeader.xhtml</code>	The header of the application
<code>branding.properties</code>	Contains the application name property

ccHeader.xhtml	Legacy file for cancer center logos, to be removed
footer.xhtml	Legacy file for footers, to be removed
legalRules.xhtml	Legal rules when signing up
mainLayout.xhtml	Layout with session timer
mainLayoutTemplate.xhtml	Overall layout of the application
mainLayoutWithoutSessionTimeout.xhtml	Layout without session timer
mainMenu.xhtml	Top menu bar
ncia_messages.properties	Various messages used in the application
nciHeader.xhtml	Application header
quickLinks.xhtml	External links
sessionExpired.jsp	Page shown when session expires
siteMap.xhtml	Site map at bottom of page
slideshow.css	CSS for the slideshow page
styleSheet.css	Main CSS for the application
subMenu.xhtml	Sub menus in the menu bar
welcome.xhtml	Main login page
welcomeText.xhtml	Legacy welcome page, to be removed

Building a Branded Version

To create and build a branded version copy the example nbia folder to a new folder. As an example, assume the copied folder is "ncia" and you plan to make a version named "NCIA". Copy and name the folder and edit accordingly. Note the ncia_messages.properties contains much of the applications textual information and branding.properties contains the application names. Once you have edited the files, edit the install.properties and the defaultAHP3.properties files in the /software/build directory. Specify the branding properties. An example for naming an application "NCIA" follows.

```
#####
### New Branding Properties ###
#####
branding.appname=NCIA
branding.folder=ncia
```

Once that is complete, execute the build:all ant target and the new war files in the directory (nbia-source-directory)/software/target/dist/exploded/nbia-wars/ will be properly branded. Replace the war files in tomcat/webapps with the branded ones, delete the nbia-api, ncia, and nbia-download and restart tomcat.

For the JNLP Download Manager to work correctly, a Java signing certificate must be used to sign the jar files used by Download Manager. If you do not have a signing certificate you can pull the following jar files from the NBIA install files ncia.war: ncia.war\NBIADownloadManager.jar and the folder ncia.war\download-mgr-dependencies and replace the files in your generated ncia.war.

XHTML/Facelets Basics

For **all** of the XHTML files that can be specified through the branding process, they **MUST** start with:

```
<ui:composition xmlns:ui="http://java.sun.com/jsf/facelets">
```

and they **MUST** finish up with:

```
</ui:composition>
```

Within the composition, almost any XHTML can be specified.

Entities

The one exception to watch out for are entities such as non-breaking spaces. Including these directly will cause the rendering of the page to fail, and users will see a big mess in their browser. In other words ` ` will break rendering. Instead, the entity must be enclosed in a "verbatim" tag. Please note that another namespace is defined in the composition tag (in red below).

```
<ui:composition xmlns:ui="http://java.sun.com/jsf/facelets"
                xmlns:f="http://java.sun.com/jsf/core">
    <f:verbatim>&nbsp;</f:verbatim>
</ui:composition>
```

Quick Links XHTML

The Quick Links XHTML is imported into the scope of an XHTML table. Any XHTML specified here should be wrapped in a `<tr>` and at least one `<td>` element.
For an example see: <https://github.com/CBIIT/national-biomedical-image-archive/blob/master/software/common/resources/branding/niams/quickLinks.xhtml>

Other XHTML

There are no restrictions on XHTML for the welcome title/text or the footer.

Branding the NBIA Client

The [NBIA Client](#) is the new search interface for NBIA. Both the NBIA Client and the [NBIA Classic](#) interfaces are currently in production.

Branding files for the NBIA Client are in directories within the assets/brand directory. Each subdirectory represents one brand. Which brand directory to be used is determined by the content of the text file assets/brand/currentBrand, it should contain the name of a directory within assets/brand.

If there is no assets/brand/currentBrand file, or its contents don't point to a valid directory, the default brand "nbia" will be used.

If there are any files missing from the brand directory named in assets/brand/currentBrand, the file from the default directory will be used.

If you only want to change one aspect of a brand, only include that file. The default directory versions will be used for the others.

You can brand the following files.

Name	Purpose
logo.png	A logo (41 pixels high)
footer.html	A snippet of HTML that is at the bottom. If included, %VERSION% will be replaced with the client version number (versionSuffix.txt, below), and %HOST_NAME% will be replaced with the server name.
newAccountUrl.txt	URL for "New account" button on the login screen
accountHelpUrl.txt	URL for "Account help" button on the login screen
downloaderUrl.txt	URL for "Get Data Retriever" button in the Download popup
versionSuffix.txt	An optional string that will be appended to the version number, if the version number is included in the footer.
customMenu.json	This is the top horizontal menu. Look at the default (nbia) for an example.

The customMenu.json is an array, with each top-level object representing one top-level menu item, as follows.

Name	Purpose
"entryTitle"	The text of the top level menu item
"menuData"	"target" within "menuData" is the URL of the top-level menu item if you don't use a dropdown menu for this top-level item
"menuDataDropdown"	an array of dropdown menu items: "menuText" "target"

Example of Branded Properties

```
[
  {
    "entryTitle": "Home",
    "menuData": {
      "target": "https://www.cancerimagingarchive.net"
    }
  },
  {
    "entryTitle": "News",
    "menuData": {
      "target": "https://www.cancerimagingarchive.net/news/"
    }
  },
  {
    "entryTitle": "About Us",
    "menuDataDropdown": [
      {
        "menuText": "About The Cancer Imaging Archive (TCIA)",
        "target": "https://www.cancerimagingarchive.net/about-the-cancer-imaging-archive-tcia"
      },
      {
        "menuText": "About the Cancer Imaging Program (CIP)",
        "target": "https://www.cancerimagingarchive.net/about-the-cancer-imaging-program-cip/"
      },
      {
        "menuText": "About the University of Arkansas for Medical Sciences (UAMS)",
        "target": "https://www.cancerimagingarchive.net/about-the-university-of-arkansas-for-medical-
sciences-uams/"
      }
    ]
  },
  ...
]
```