How Hoosier Experience Works

# The /hoosierexperience folder

Everything related to Hoosier Experience is contained within the /hoosierexperience folder located on the FYE webserver. In order to run, the program requires the following files and folders:

* /images/
* /lightbox/
* bgstretcher.js
* favicon.ico
* hoosierexperience.js
* hoosierExperienceKeywords.js
* index.html
* jquery-1.5.2.min.js
* nsostyles.css

On the server, Jordon has also included a file that requires a CAS login to access the program, a file called hoosierexperience.cfm that is used to log usage information and a separate /reports/ folder that allows authorized users to access log data. While the Hoosier Experience program does use these files, the program will continue to work without them. However, it will not be able to keep track of which slides have been used.

# The /hoosierexperience/images/ folder

Any image used in Hoosier Experience is currently housed in this folder – including backgrounds, slides and logos. The structure and the names of the images can easily be changed as long as all references to images in index.html, nsostyles.css, and hoosierexperience.js are changed as well. It may be helpful to separate program-related images from content images (“slides”).

\*Note that spaces should not be used in the names of any files or folders to ensure compatibility.

The program-related images (as opposed to content images) are:

* arboretum.jpg (a background image)
* clock.jpg (a background image)
* logo.png (the Hoosier Experience logo)
* results.png (background image for the dropdown list)
* resultsHover.png (background image for the dropdown list when selected)
* showalter.jpg (a background image)

# The /hoosierexperience/lightbox/ folder

This folder contains all of the information required to display content images and was downloaded from <http://colorpowered.com/colorbox/>. This plugin uses JQuery to make the process of showing content images smoother and easier. In general, the files in this folder are not meant to be edited. However, three changes to the original ColorBox code (in the jquery.colorbox.js file) were made so that usage information could be logged and to keep the backspace key from navigating the browser to the previous page:

1. On lines 418-421,

if (key === 8){ document.getElementById('keywordBar').focus();

}

was added. This change activates the keyword bar whenever the backspace key is pressed.

1. On line 694, doTimer(); was added. This change tells the plugin to call the doTimer() function (from the hoosierexperience.js file) when a new content image is opened.
2. On line 825, stopCount(settings.href); was added. This change tells the plugin to call the stopCount() function (from the hoosierexperience.js file) when a content image is closed and passes the URL of the image to that function.

# The bgstretcher.js file

This file is another JQuery plugin that resizes the background image to fit the screen and allows for the “slideshow” effect for the background. This file is not meant to be edited. Settings for this plugin (like which images to use and how long to show an image) are set in the index.html file.

\*Note that this plugin significantly changes the HTML of the index.html file at runtime, which can make troubleshooting difficult. In particular, the plugin adds several divs to the page, including one that contains the content of the page.

# The favicon.ico file

This file simply changes the small icon displayed next to the title on the browser’s title bar. The file is referenced in line 5 of index.html:

<link rel="icon" type="image/ico" href="favicon.ico" />

The effect is only visible when accessing the file on the server.

# The hoosierexperience.js file

This file is responsible for defining the functions that allow usage information to be logged and powering the search box.

## Usage information logging

Lines 1-34 define the functions timedCount(), doTimer(), and stopCount().

The timedCount() function repeats itself every second, each time adding 1 to the variable c, essentially counting the seconds since the first time it is run.

The doTimer() function checks to make sure that the timer is not already running, then calls the timedCount() function to begin actually counting time. The doTimer() function is called by the jquery.colorbox.js file when a new content image is opened.

The stopCount() function stops the counter and submits the topic and amount of time spent on it to the hoosierexperience.cfm file on the server. This function is called by the jquery.colorbox.js file when a content image is closed.

## The search function

Lines 36-92 define the searchKeywords() function. The function is called in the index.html file every time a key is pressed in the keyword bar. After the second key is pressed, it checks the keyword bar for the word “CLOSE.” If “CLOSE” has been entered, it opens a div defined in index.html called close in a ColorBox. If not, it goes through the searchWords array defined in hoosierExperienceKeywords.js and looks for the value of the keyword bar in the list of possible words (not case-sensitive). If it finds a match, it looks for the NSO-approved search term that it equates to. Then, it builds a list of the content images associated with those terms. To show the list, it sets the searchResults div’s class to shown. If it doesn’t find any matches, it sets the div’s class to hidden.

\*The function takes in the keypress event, so it could eventually be programmed to use the up and down keys to select search results.

\*\* The search system isn’t perfect. In some cases, search terms that fall under different content images fail to show up, so updates to search words and keywords would need to be checked to ensure they bring up all appropriate results.

# The hoosierExperienceKeywords.js file

This file defines three arrays: searchWords, keywords, and divIds.

searchWords is a list of all the potential things that might be typed into the keyword bar.

keywords is a list that equates those things that could be typed in to pre-defined NSO keywords. These words become the links used in the searchResults list.

divIds is a list that equates the pre-defined NSO keywords to the filename of the appropriate content image. These filenames do not include the file extension (like .jpg) and should not contain spaces.

\*The name divIds comes from previous versions where separate divs were used in place of content images.

# The index.html file

This file is what brings all the components of Hoosier Experience together.

The file calls the favicon.ico file, the nsostyles.css file, the jquery-1.5.2.min.js file, the lightbox/jquery.colorbox.js file, the hoosierExperienceKeywords.js file, the hoosierexperience.js file, and the bgstretcher.js file.

It then initializes the bgstretcher plugin and defines the appropriate settings, including which images to display as backgrounds, their properties, and the speed of the slideshow.

The Hoosier Experience logo is included in its own div called logo on line 42.

The searchFormInner div contains the keywordBar input field, the searchResultsWrapper div, and the searchResults div. One or more of these divs may be able to be removed, but were added to help in formatting the page.

The keywordBar has a default value of “Enter keyword” and clears its value each time the box is clicked. Each time a button is released from the keywordBar, the searchKeywords() function is called. The function also sends the event information, which can be used to create a keyboard-based navigation system if needed.

The rest of the page is housed in a div that is not displayed by default, so that it is not visible unless called upon. The culturecenters and myinvolvement divs are not currently functional, but are left on the page to demonstrate to alternative ways of showing content information – either as a div with an image in it, or a div with actual content in it. Finally, the close div contains an iframe that used to point to a Google Form that asks for the Orientation Leader’s evaluation of the session. It now points nowhere and should be changed.

# The jquery-1.5.2.min.js file

This file makes all of the JQuery plugins work and should never be edited or removed.

# The nsostyles.css file

This file is called by the index.html file and contains all the style definitions for this project, including style definitions from ColorBox. The file could be made more readable and usable.