The WISEsearcher i2b2 Webclient Plugin v1.1.1 Installation Guide

Introduction

This plugin is part of the WISE (Workplace Items Sharing Enhancement) Tool Set developed as a result of feedback and suggestions from the i2b2 user community in the University of Massachusetts Medical School. As its name implies, the purpose of this tool set is to facilitate and enhance the sharing of the items or objects in the Workplace panel of the i2b2 webclient; to the extent that unnecessary repetitions of previous works can be prevented or minimized.

This plugin provides the following main functions:

1. Finds all Workplace items / objects (folders, queries, patient sets, etc.) containing the terms provided (in either their annotations or their names), in the condition selected.
2. Excludes any Workplace items containing the exclusion terms provided (in either their annotations or their names), per condition specified.
3. Tabulates such found items (with their corresponding icons) in the alphabetical order of their paths.
4. Optionally exports aforementioned tabulated data (without the item icons) into an Excel spreadsheet or CSV (Comma Separated Values) file conveniently.

Installation on i2b2 v.1.7.0.7 and Later Only

Please take advantage of the Webclient Plugin Installer that is included in this i2b2 release to install this plugin in the following straight forward manner:

1. Invoke the Webclient Plugin Installer from the i2b2 Admin Webclient (top right menu).
2. Specify the location of the `/webclient` folder on your i2b2 server.
   (e.g. `/var/www/html/webclient`)
3. Click the [open ->] button to open and display the content of the plugin repository.
4. Find this plugin on the list and read through all relevant information pertaining to it carefully.
5. Click its [Install] button to install it under the `/webclient/js-i2b2/cells/plugins/community` folder on your i2b2 server.
6. Note that starting with v1.7.0.7, all popular plugins developed by our community members (including this one) are to be placed under the `/webclient/js-i2b2/cells/plugins/community` folder (instead of `/webclient/js-i2b2/cells/plugins/standard`) — i.e. with the installation of the new i2b2 v1.7.0.7, it is not expected that any webclient (other than the standard ones) would have been installed; however, if you do have a previous version of this plugin installed under the `/standard` subfolder, you'll need to remove any previously installed version manually, in the following manner:

   a. Remove the `/webclient/js-i2b2/cells/plugins/standard/WISEsearcher` folder and its files.
   b. Remove the old entry of this plugin from your `/webclient/js-i2b2/i2b2loader.js` file (on your server), as outlined (in red) here:

   ```
   [..]
   },
   { code: "WISEsearcher",
       forceLoading: true,
       forceConfigMsg: { params: [] },
       forceDir: "cells/plugins/standard"
   },
   [..]
   ```

7. You may have to restart jBoss (or restart the webclient browser at the very least) in order for the changes to be picked up by i2b2.

8. Please refer to the "**Appendix: _php.ini_ Setting for Exporting Files**" to ensure proper settings is in place.

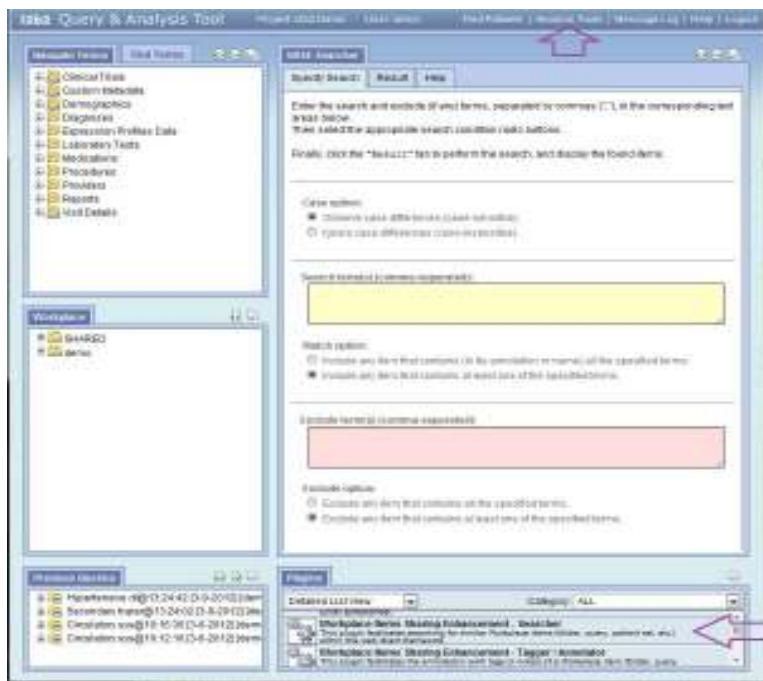9. Refer to the "Usage" section next for navigational outlines.

Installation on older versions of i2b2 (Prior to v.1.7.0.7)

This release of this plugin is specially tailored to v.1.7.0.7 of i2b2 only. It is highly recommended that you upgrade to this i2b2 version to pick up all the bug fixes and refinements in the webclient.
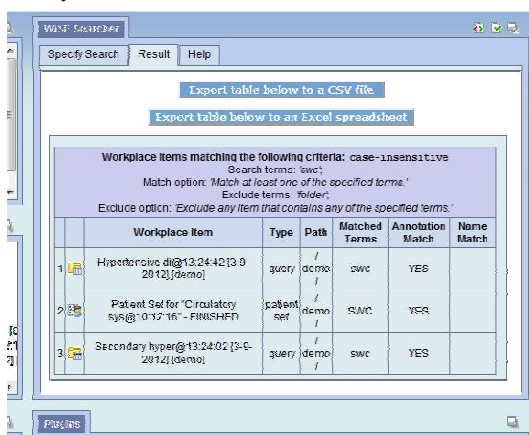
However, if for any reason you are not ready to upgrade, but yet are interested in installing this plugin (or upgrading it from v.1.0) on your older i2b2 now, you may do so by downloading the v.1.1 version of this plugin from https://i2b2wisesearcher.codeplex.com/ to install it.

Usage

1. Start this plugin as you would any other plugins.

2. Navigate to the "`Specify Search`" tab. Enter the comma-separated search terms into the input text area.
3. Select the appropriate `Match option` radio button.
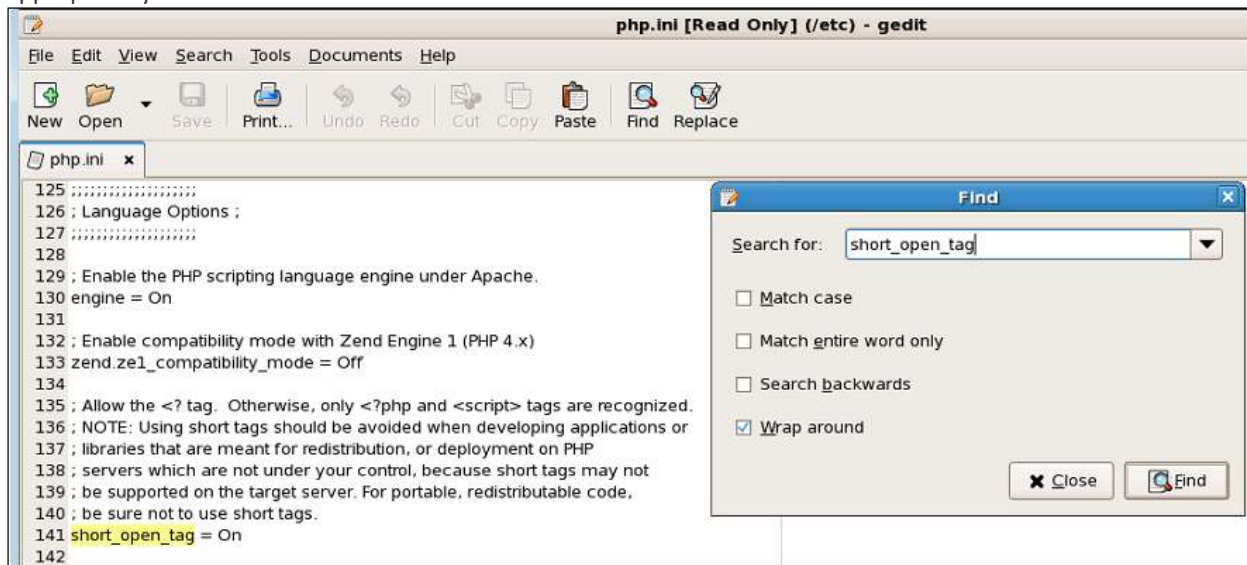4. Finally, click the "`Result`" tab to view the tabulated search result.

Note

When exporting to a CSV file on Internet Explorer, please ignore the "`Save as type:`" field content of the "`Save .. Document`" dialog, as the resulting file will be saved as ".CSV" once the [`Save`] button is clicked.

Appendix: *php.ini* Setting for Exporting Files

If the "**short_open_tag**" in the */etc/php.ini* file of the i2b2 server is **NOT** set to "**on**", then the resulting exported HTML-coded Excel spreadsheet or CSV file may be just a blank file. It is therefore necessary to ensure that it is set appropriately:

Note that if that setting is updated accordingly, one must *clear the browser cache* (close & restart browser session) to ensure the change takes effect.

Furthermore, if this "blank file" problem persists, then try the following:

1. check for and remove any extraneous "**short_open_tag = Off**" lines in the */etc/php.ini* file
2. check for and remove any extraneous "**short_open_tag = Off**" lines in other files in the */etc/php.d* directory
3. try to restart both the php-fpm (if applicable) & the Apache services:
   ```
   /etc/init.d/php-fpm restart, (or service php-fpm restart)
   /etc/init.d/httpd restart, (or service httpd restart)
   ```
4. then run
   ```
   chkconfig httpd on
   chkconfig php-fpm on
   ```
5. then check to ensure:
   ```
   php \-i \| grep short_open_tag
   ```
   which should result in something like ***short_open_tag => On => On***