

Programmer's Guide

Classes

SolrController	Handles requests and responses to and from Solr
BookmarksQuery	Database model representing a bookmark entity
CaseHashtagsQuery	Database model representing a case with a hashtag entity
HashtagsQuery	Database model representing a hashtag entity
SearchFieldEntity	Field options entity for case comparisons
SolrOperators	Logical operators entity for use with Solr
SolrQuery	Handles all queries sent to Solr and generates datasets for responses
SolrResponse	A container class which holds the query and keywords of a search
SolrServer	Represents a configured Solr client and holds configuration details

** Bold items covered in extensive detail following this page.*

Views

Index	Main application search page
Case	Page showcasing a specific case in comparison to other cases
Results	Results page with matched documents and the original search query
SavedSearches	Displays a list of all saved and bookmarked searches
SavedHashtags	Displays a list of all referenced hashtags to cases
Components\Bookmark	Allows adding a bookmark using AJAX
Components\CaseLookupForm	Form holder for the case lookup request
Components\Footer	Default common footer of the application
Components\Hashtag	Allows adding and getting hashtags using AJAX
Components\Header	Default common header of the application
Components\Menu	Menu navigation bar at the top of all pages
Components\QueryForm	Form holder for the query from request
Components\ResultsViewer	Solr document viewer for cases
Components\SearchForm	Form holder for the rendered query output

JavaScript/CSS

Public\Assets\CSS\Common.css	Contains common stylesheet elements
Public\Assets\JS\Common.js	Contains generic, common jQuery functions

SolrController.php

Handles requests and responses to and from Solr

Methods

public getIndex()

Returns the Search page

	<i>Parameters</i>	
	<i>Returns</i>	View index

public getResults()

Returns the Results page of a search query

	<i>Parameters</i>	
	<i>Returns</i>	View results

public getCase()

Returns the Case page with similar cases

	<i>Parameters</i>	
	<i>Returns</i>	View case

public getCasesByHashtag()

Returns the Results page of cases with a given hashtag

<i>Parameters</i>	
<i>Returns</i>	View results

public postAddHashtags()

Adds hashtags to a specified case

<i>Parameters</i>	
<i>Returns</i>	String the case ID modified

public postDeleteHashtag()

Deletes a given hashtag from a case ID

<i>Parameters</i>	
<i>Returns</i>	String the case ID modified

public getHashtags()

Returns the hashtags of a specified case

<i>Parameters</i>	
<i>Returns</i>	Array the list of hashtags

public getSpellCheck()

Get spelling suggestions for a given term

Parameters	String the term to spell check
Returns	ResultSet a collection of spelling suggestions

public getAutocomplete()

Get autocomplete suggestions for a given term

Parameters	String the term to autocomplete
Returns	ResultSet a collection of autocomplete suggestions

public getHashtagSuggestions()

Get suggestions for a given hashtag

Parameters	String the hashtag to autocomplete
Returns	ResultSet a collection of autocomplete suggestions

public getSavedSearches()

Returns the Saved Bookmarks page

Parameters	
Returns	View saved

public getSavedHashtags()

Returns the Saved Hashtags page

<i>Parameters</i>	
<i>Returns</i>	View saved-hashtags

public postAddBookmark()

Adds a new bookmark to the database

<i>Parameters</i>	
<i>Returns</i>	void

public postDeleteBookmark()

Deletes a bookmark from the database

<i>Parameters</i>	
<i>Returns</i>	void

private findSimilarCases()

Returns similar cases compared to a source case

<i>Parameters</i>	String the case identifier
	Array list of keywords to compare on
<i>Returns</i>	ResultSet a collection of case documents

private renderSingleDocument()

Renders a case document to an HTML table output

<i>Parameters</i>	ResultSet a collection of case documents
<i>Returns</i>	String the HTML table

private renderDocumentTables()

Renders multiple case documents to an HTML table output

<i>Parameters</i>	ResultSet a collection of case documents ResultSet collection of matched keywords
<i>Returns</i>	String the HTML table

private docArrayToJSON()

Converts a ResultSet to a JSON object

<i>Parameters</i>	ResultSet collection of documents
<i>Returns</i>	String JSON object

private getSolrClient()

Returns a configured Solr client instance

<i>Parameters</i>	
<i>Returns</i>	Client Solr client

SolrQuery.php

Handles all queries sent to Solr and generates datasets for responses

Methods

public getFilteredData()

Returns a filtered list of documents from Solr

<i>Parameters</i>	Client configured Solr client
	String search query
<i>Returns</i>	Int the cursor starting position
	ResultSet collection of documents

public getCaseData()

Returns a specific case document

<i>Parameters</i>	Client configured Solr client
	String the case identifier
<i>Returns</i>	ResultSet the case document

public getHashtagCases()

Returns a list of hashtags based on a specified query

<i>Parameters</i>	Client configured Solr client
	String hashtag search query
<i>Returns</i>	Int the cursor starting position
	ResultSet collection of documents

public getSimilarCases()

Returns a list of cases similar to the source case and relevant keywords

<i>Parameters</i>	Client configured Solr client
	String the case identifier
<i>Returns</i>	String list of relevant keywords
	ResultSet collection of documents

public spellCheck()

Performs a spell check on a search query and suggests spelling corrections

<i>Parameters</i>	Client configured Solr client
	String search query
<i>Returns</i>	Array spelling corrections

public suggest()

Returns a list of autocomplete suggestions based on a fragment of a query

<i>Parameters</i>	Client configured Solr client
	String search query
<i>Returns</i>	Array autocomplete suggestions