

Experiment Two

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Please direct your browser to http://www.xemplar.org/search/index_new.jsp

In the end of this experiment, please write your comments below this line

the descriptions for the tasks ~~to~~ allowed me to better select search criterias however still unable to determine relevancy based on code descriptions (some) were more along the lines which we were looking for in some cases.

Task

Create an application that loads and parses HTML documents and creates a DOM tree. The application should traverse the tree, retrieving the values of the HTML attributes and elements en route. In addition, the application should enable users to create and modify HTML documents by changing the DOM tree directly.

Results

Please specify what keywords you used in your query:

creating dom trees for HTML documents

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Jivan Web HTML Presentation Technology	4	addresses many of the project requirements API snippets can be used!!
2	DISK DOM	4	many related API's which can be leveraged
3	Baykit TagPrint	1	no attachments seems inactive
4	ICE Protocol Reference Java code	3	may be able to use some HTML document loading & parsing etc

5	Domlet4j	1	no attached code however the project side did provide other projects to look into
6	jolene	4	there are definite snippets of code which can be reused &/or tailored
7	HTML Encoder	4	See #6
8	IBDom	1	no code/file attachments we found for investigation (un-able to open)
9	E Annotation	1	not what we would need for HTML Dom capabilities
10	GIOCR	1	See #9

Task

Find an application that uses JavaBeans which uses the bound indexed property to determine property change in this application bean. The application should display some text in its GUI.

Results

Please specify what keywords you used in your query:

JavaBeans to determine a property change in an application

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	JPropeller	1	No source code provided
2	epoline?? PHOENIX	1	API's found do not seem to be applicable
3	(APS) Application Property Server	1	See #1
4	change manager	1	see #1
5			

	Navel JavaBean Introspection Tools	3	Some of the java code can be used also Such as the jakabean handler
6	Prop Con	1	no Source code provided but sourceforge link had related projects
7	Property File Manager	1	<div style="display: flex; align-items: center;"> <div style="font-size: 4em; margin-right: 10px;">}</div> <div> All these descriptions show to be Promising however no attachments are available </div> </div>
8	Comment Code Gen	1	
9	Property watch	1	
10	Jipe	1	not related to this project as it is not related to

Task

Implement an application that performs pattern matching operations on a character sequences in the input text files. The application should support iterating through the found sequences that match the pattern. In addition, the application should support replacing every subsequence of the input sequence that matches the pattern with the given replacement string.

Results

Please specify what keywords you used in your query:

Pattern matching and replacing ~~in~~ using text ~~files~~ files

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Pattern Sandbox	2	this project simple simply highlights the matches. It could be used to for the find functionality
2	JCameo	1	uses getTextLength however this is related but not entirely useful
3	TailBlazer	1	this is a Tailing tool for files which are actively being written to, not a tool we need
4	Fsgrep	3 4	the grep functionality will strongly be needed for searching for matches along with the Replacement piece of code

5	Jrex: automat based regex api for Java	3	fast contains ^v matching algorithm.
6	Grep GUI	3	will/may allow us to use some code for GUI implementation. Good for large files
7	skylla	1	used for matching metadata in handling music files not related
8	MM File Utility	3	has code for many similar capabilities which are required to implement
9	Batch Text Replacer Wizard	4 2	the project description is very close to what we want however the source sourceforge site it is linked to has no code
10	JSqlParser	4	if we could find the code it would sound like it is great

Task

Implement a library similar to a synthesizer that supports generating sounds. These synthesizers should support different transmitters (i.e., sends midi events) and receivers (i.e., receives midi events and interprets them).

Results

Please specify what keywords you used in your query:

Sound library ^{to} ~~which~~ sends and receives midi files

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Midi library for developers	1	related desc. but no attachments
2	Tritonus	4	many midi capability APZ's, get file, events, writer, receiver etc.
3	EasyTalk	2	has some related or useful code for transmitting files but can find better
4	proDMX dmx	3 2	allows for sending & receiving messages in <u>DMX</u> so depends what format ours are in not midi may be able to use some items but !all

5	Bulk Dumper	3	allows for bulk transfers of audio files
6	Ringtone MIDI tools	2 → 1	mainly for converting files & not used for our purpose
7	Midi improviser	4	transform send sound on random process
8	Code Sounding	4	creates and plays Not send & receive
9	GMS Driver	4	Send & receive SMS Not sound file similar function different capability
10	Ampersand IRC	1	like # 9 this is Sending & receiving of messages not sound

Task

Implement a library for handling security permissions in a database. The library should support creation of permissions, retrieval and checking permissions by clients, setting system-wide security permissions, retrieval of security permissions with the specified key, adding and removing providers and clients for various permissions.

Results

Please specify what keywords you used in your query:

~~library to handle security permissions in a DB~~
~~adding & removing user security permissions in a database~~

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Profflex Shopping manager	3 4	No attached code this is a game only matched on adding/removing
2	J buzzer Wabon for DBS	3 1	Not 0% on key words not related 'just matched on add/
3	Immune Soft	3 2	Security on content not 4 users allows for managing server agent by integrating many security tools
4	Novocode Toolkit JWebDB	3 2	allows to manage DB operations but not on providers or clients

5	JGoose Echidna	1	
6	Phex P2P Gnutella file sharing program	4	
7	Variations	4	for intellectual prop. security
8	P-Grade Grid Portal	1	for workflows
9	Java Sock	2	
10	Millennium BSA	4	

Experiment Three

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Please direct your browser to <http://sourceforge.net/>

Login name: xemplar

Password: exemplar2009

In the end of this experiment, please write your comments below this line

I found this page to be GUI friendly however as shown ~~on the~~ in the Presentation, some of the returned objects were not as relevant to the topic. The tasks described were a bit more ~~diffie~~ difficult to determine search criteria's

Task

Find applications that use glyph painting facilities to enable users to deal with a range of viewing options. The goal is to reuse found applications to create visual presentation of texts and fonts, some of which are foreign.

Results

Please specify what keywords you used in your query:

glyph texts and fonts

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	JCustomizer	2	has some fontss & texts
2	Double Type	3	contains efficiently glyph designs
3	JSeSh	1	related to hieroglyphics
4	Substitution Cipher Toolkit	1	decryption/encrypting tools

5	Brahmi Indic Input method	1	Opentype fonts for Indian languages
6	JFont Tools	2	may have related info if I knew what glyph paintings was
7	mobile Bitmap Fonts	1	all related to fonts & text unsure if OK w/ glyph paintings
8	Opicn Font Viewer	1	
9	mobile Book Viewer	1	
10	BioNLP	1	

Task

Create a lightweight virtual machine that supports data transfers using clipboard. Data transfer feature of this machine can be implemented with the help of sun GUI support.

Results

Please specify what keywords you used in your query:

Clipboard data transfer

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	FONC	1	FTP sharing
2	Clipboard Share	3	allows for data sharing across many machines
3	PastePro	3	Via a network infrastructure a clipboard can gather and send data
4	Distribute FTP Daemon	2 1	FTP sharing

5	Sharp Tools Spreadsheet	1	tool similar to Excel w/ same functionality Some clipboarding basic
6	Java MDI application framework	2	has clipboard functionality ##
7	Enhanced Clipboard	3	many functionalities which can be used
8	GPS Based Photo Logger	1	photo logger for google map N/A
9	more clipboard for eclipse	1	an add on not very relevant as a larger piece
10			

Task

Parse a Java source file and output the abstract syntax tree (AST). Allow the user to traverse and modify the AST with a graphical interface.

Results

Please specify what keywords you used in your query:

Parse source files to AST with ability to modify

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Jsel	3	allows for us to pick many pieces of code based on functionality
2	JDasm Java class file manipulator	3	will help w/ modification capability
3	xml parser	2	if we have XML Source code then helpful
4	AST tutorial	3	can assist in understanding how to work w/AST

5	Save cracker	1	for gaming doesn't seem applicable
6	Lexical Analyzer and Parser Generator	1	
7	lib4ft	1	for mapping file
8	Tree Editor for Java	3	related closely to what the task requires
9	Ripsaw	1	
10	Log Writer	1	

Task

Create a GUI application that shows data in dynamically modifiable tables that have scrollbars. These scrollbars can change their orientations in tables based on the number of rows and columns.

Results

Please specify what keywords you used in your query:

dynamic ~~modifiable~~ tables with Scrollbars to change orientations

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Struts Hered DB Schema change Notifier	2	
2	Druid The Database manager	2	
3	html2sql a miner web bot notifier	2	
4	JComet	1	

5	Apache Tomcat Resource Manager		
6	Colour Chooser)	
7	Java SQL Admin		
8	AVADE		
9	Dynamic Image Servlet		image related
10			

Task

Implement a library for checking XPath expressions. The checker should support compiling XPath expressions, evaluating XPath expressions in the context of the specified XML document and returning the results as the specified type.

Results

Please specify what keywords you used in your query:

compile, evaluate and store & XPath expressions

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	InstantJ	2	related to evaluate & compile Java Code
2	XPath over XML Schema	2	XPath specific evaluations
3	Simple XPath Parser API	2	
4	XML doc from XPath and it's data	3	XPath → XML documents

5	XML Unit	32	evaluates, validates, and compares XML to XPath expression
6	Groovy Dice	1	evaluating a dice game
7	JmathLib Octave Matlab clone in java	1	used for mathematical expression evaluation
8	xPath Executor	3	helps to understand XPath expressions w/ GUI
9	lantern	2	helps test functions for XPath
10	my XML DB	1	documentation storage

Experiment One

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Please direct your browser to http://www.xemplar.org/search/index_adv.jsp

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* From a person with little Java background it was difficult to determine the correct key words to use. However with the knowledge I do have I found the ~~tool~~ tool easy to navigate and the descriptions did help in determining which Projects I would want to look into. I did notice if my search criteria was too long an error message would appear.

Task

Create an application for sharing, viewing, and exploring large data sets that are encoded using MIME. The data sets may represent blogs or genome sequences. The data can be stored using key value pairs. The application should support retrieving data items by mapping keys to values.

Results

Please specify what keywords you used in your query: ~~mime viewing and exploring data sets~~ ~~sharing and exploring blog or genome data using~~ ~~searching, viewing, exploring large data mime~~ ~~sets using mime~~ ~~mime~~ ~~share/use/explore~~ ~~blogs or genome~~ ~~key value~~

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	HiSee Cubic Browser	3	Project data view this is a project which allows for viewing high dimensional data sets with user driven input on specific regions of data sets - however This is not relevant as no source code was provided it was jar
2	GENERA HiSee	2	no java code was to be found however the descrip description of the Project does show relevancy
3	Mime -Dir and VCard Java API Browser	3	this result provided code which could be utilized for searching and viewing of data, however I did not see if it relevant for blog sequences which can be altered
4	HTP Browser Fractal View	1	unable to open any zip file. and did not reformat was seems to be inactive.

5	JSynaptic	1	this is used for a graphical plotter not related to our project
6	eSeQuest	1	description is relevant however <u>no</u> code provided
7	Rapla	2 3	not with the same functional use however can use source code for development of viewing & exploring
8	BiolAP	2 3 4	has many pieces of code (API) however doesn't for genome vi. No relevance API 0% has some source code which appears to be relevant
9	Paper Scope	1	seems there is no relevancy between the API, API
10	Java meme magic library	1	unable to view meaningful source code.

Overall; I think my key words or search criteria ~~was~~ was not proper. I did notice if your search criteria is longer than some threshold then there a http/500 error appears

Task

Implement a library to support an affine transformation between vector spaces (i.e., affine vector spaces) using linear transformations (rotation, scaling or shear) and translations (shift).

Results

Please specify what keywords you used in your query:

Library for linear transformations & translations for vectors

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3 (mostly relevant), 2 (most irrelevant), 1 (compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Java Cardio Pulmonary Simulations	3	this project contains many individual sets APIs which support the process of interpolates between two transformation setting a target, can be manipulated for vector specific
2	The Jump Picket Project	2	unable to open the code however the API's displayed as relative show some Affine Transformations & loading & selecting of items.
3	Linear Algebra class library	3	contains many vector translations & transformations which could be of use in our library
4	Open Java Linear Algebra library	2	Also like #3 contains some useful Java code for vector translation & transformation however not everything is relevant

5	open SVG Viewer	2	does not contain information Specifically for what we are interested in however does have some affine transformation with worth looking into
6	GeoServer	1	no API's were found which showed to be related
7	JLinAlg	3	contains many 2 pieces of code for vector transformations which could serve to be useful
8	math lib3d 3D math library	3	Same as #7
9	Java ADT and Algorithm Library	2	has some related items for vector analysis but not strongly related to the subject
10	Sniff Numeric Library	2 3 3	has 1 API for Affine transformation which could serve to be useful however for computational routines.

Task

Develop a universal sound and voice system that allows users to talk, record audio, and play MIDI records. Users should be able to open source connections with each other and communicate. A GUI should enable users to save conversations and replay sounds.

Results

Please specify what keywords you used in your query:

Sound, vace, GUI and MIDI capabilities

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Tritonus	3	contains API's for midi file format capability & short message storing,
2	Java Sound Resources	3	See #1
3	midie improviser	2	will assist with midi capabilities & sound voice may need to be searched elsewhere
4	Sky Synthesizer	2	no relevant API's however code for source code for midi, sound, and real-time sound module module

5	Rasmus DSP	2	Only midi specific sound/audic
6	Tux Guitar	2 → 1	is only not midi capability specific
7	Sound Grid	2	only for musical composition and editing not for a full voice/sound capability in real time however
8	mid Quick Fix	1	again more for editing music could use some recording pieces
9	Volm jabber text & Voice Im Client	3	will assist w/ voice and recording capabilities
10	Kable	2	Some functionality may be utilized however not fully relevant

Task

Implement a library for representing and manipulating with BigDecimal numbers. A BigDecimal consists of an arbitrary precision integer unscaled value and a 32-bit integer scale. If zero or positive, the scale is the number of digits to the right of the decimal point. If negative, the unscaled value of the number is multiplied by ten to the power of the negation of the scale. The value of the number represented by the BigDecimal is therefore $(\text{unscaledValue} \times 10^{-\text{scale}})$.

Results

Please specify what keywords you used in your query:

library store & manipulate 32-bit decimal numbers only

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	RPN Fraction Calculator	2	must store #'s as fractions ∴ must determine if project can be can handle
2	BaseCon	3	with so this project allows for decimals to be stored as floating point
3	Instance Store	3	
4	Java Number Base Converter	3	

5			
6			
7			
8			
9			
10			