

Experiment Two

Participant id:

Jacob Kreider

Participant first, last name:

Jacob Kreider

Block: **Green**

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

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

Sometimes 1 word would ~~not~~ "flood" results, and would result in many only partially-relevant results. E.g. Regex - Many projects use this. ~~Other~~ Other words should be given stronger ranking in these 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:

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	HTML Unit	4	Looked very relevant. Did not download, however, due to large file size + slow connection
2	Small XML Parser	4	Very relevant, though focused on XML.
3	Internet OLR	2	Some HTML parsing, otherwise not immediately relevant.
4	It's Not	2	Looked somewhat relevant, however, too large to download efficiently.

5	CyberNeko HTML Parser	3	Looks very relevant, but couldn't download.
6	Polylux	2	Only uses DOM image elements,
7	11g HTML Generation Library	4	HTML reader/writer. Looks very relevant.
8	Baykit Tag Print	1	Looks relevant, but no files,
9	Java HTML Parser	2	Parses tags into text; that's about it.
10	id HTML Parser	3	Parses, no edit that I can see.

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:

Java bean bound index

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	Newsfisher	2	Uses Java Beans. Little other use.
2	Ken shira	4	In Spanish.
3	The Dune Toolkit	4	Looked promising, but couldn't find the file(s) Exemplar listed importing the appropriate packages
4	Java Bean Testor	1	JUnit project. Irrelevant.
5	Comm Bean	1	No files

6	Naval Jaws Bean Introduction Tools	3	Looks to have good examples.
7	Defo Lite	2 2	Found nothing relevant beyond beans.
8	Time Dex	1	No files
9	Reckon	2	Used beans, but not bound/indexed.
10	Bean Maker	1	Nothing relevant.

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:

regex file replace

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	Regex Search/Replace tool	4	Looked like a perfect match for what was needed, but included no source files.
2	Search RE	1	No files.
3	mp3 file rename	3	Doesn't do individual file content I/O but pattern matching could be re-used.
4	Cystrad	1	File versions of what was shown seen different - different packages in source. vs. what Exemplar matched on.

5	Recursive Search and Replace	1	Looks perfect, but no source.
6	UDRS	2	Used Regex, but that's it.
7	MAZA	2	Used Regex, that's all.
8	Siapi	2	Used regex some. Otherwise irrelevant.
9	Venturi Vot: Library	2	Same as last few. Any good examples would be hard to find.
10	Open VPT	2	Same as last few.

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:

Security Permission User

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	acsys-test	3	Looked very relevant, however, could include more source code (only had partial)
2	Hippikon	4	Good Permission/Policy framework, but no database access limited db support.
3	Merlin Modulo de Seguimiento	2	Used policies, that's about it.
4	Object Privilege/ Permission Coordinator	1	Looked good, but no files.

5	Tense me Java Virtual Machine	1	Irrelevant
6	jboss - adapt	1	Irrelevant. Just matched on # security * Package.
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Experiment Three

Participant id: Jacob Kreider

Participant first, last name:

Jacob Kreider

Block: **Green**

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

Suggestions !

- As I mentioned in phase 2, wish other terms more strongly when one returns a lot of results.
- Adaptive ranks would be cool
- Preview/snippets of the API calls
- Search by language (lexical, not programming); I had results in Spanish
- Do "code quality" rankings much how IBM RSA/RAD can check for violations of common coding standards, and use that in ranking. That would be a neat feature

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 text font

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	DoubleType	3	font editor - could have some reuse.
2	iReport Designer	1	found no usable code in API API list. Project too huge to download.
3	Skunk DAV Web DAV Client	1	Doesn't appear to be relevant
4	thinCLet	1	API list doesn't match what I see in the files.

5	Tivo HME SDK	3.	I've actually used this one before! Has font/glyph examples
6	Ganz??a	1	Couldn't find API that exemplar listed.
7	ATI Sync	1	Couldn't find API that exemplar listed. sun. font, Skia/GlyphVector
8	Font Viewer	2	Use of fonts, no glyphs.
9	Open Font Viewer	2	Same as above
10	Font Sender	1	Irrelevant

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:

virtual machine transfer clipboard

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	C# Java Virtual Machine	/	C Project.
2	JGloss	/	Completely irrelevant.
3	the Java Virtual Machine	/	Couldn't open.
4	Very Small VM	/	No files

5	JS ClipShare	4	Transfers data to + from clipboard
6	Clipboard Share	4	Similar to above
7	Compiler and Virtual Machine for PL6	1	No files; probably irrelevant
8	SBV Virtual Machine	1	No files.
9	Robust Java Virtual Machine	1	No files.
10	Java Wikipedia API	1	Irrelevant

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:

Source parse abstract tree

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	Tree Editor for Java	1	Description sounds great, but no files exist.
2	PDDL4J	1	Irrelevant
3	Faster Java Serialization	1	Irrelevant. Do not see any relevant API's; description doesn't help.
4	Process Execution Engine	1	Same as above; too much matching on "tree"

5	Downfall	/	Irrelevant; too much matching on "parse"
6	ComeBack!	4	Uses AST, Parses Source.
7	Wappcore	1	Irrelevant; matches too much on Parse.
8	Shvast	4	No GUI, but good AST
9	Hybrid Petri Net ICSI Simulator	1	Irrelevant
10	xBus	/	Matches too much on parser

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.

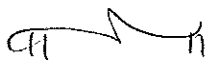
Results

Please specify what keywords you used in your query:

Swing
~~swing~~ scrollbar table

Note: Almost too much
on this one

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	jothro	3	It should have at least some reformat code.
2	Procedural Cartoon Animation	3	Multiple table /scroll bar examples
3	Simple Table	4	Custom table example
4	jMemorize	3	Multiple table /scroll bar examples

5	MinTree Insight	3	table / scrollbar / scroll pane examples
6	epulac ?? PHOENIX	3	 Same as above
7	Xmap Commons	3	table / scroll bar examples about!
8	Ganz??a	3	table / scroll bar examples
9	Jamoleon	2	Table example, no scroll bars
10	Benedetto Library Catalog System	2	Table examples

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:

XPath expression evaluate

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	Mobile Path	2	Is ME app - aside from some xpath calls, mostly irrelevant.
2	Non BDI BDI Agent Engine	2	Again, has xpath calls, but nothing to this task's example
3	XPath Explorer	4	App matches task closely, has good code examples and JUnit test cases.
4	XPath Workbench	1	No files.

5	RM Documents from XPH		
6			
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Experiment One

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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

Sf has a lot of projects with no files and/or no source. It was also slow. Will often match on words that were less important.

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 parse key value dataset

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3 (mostly relevant), 2 (most irrelevant), 1 (completely irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Exbatal Root Tree	2	focused on key-value data structure. Nothing for MIME.
2	RadNet Listener	1	Description looks good, but no files.
3	Human Input Data Parser	1	No files
4	HelixDB	1	No source

5	Com. ZooKeeper. lookup simple lookup Server	1	No files
6	jredis	1	No files
7	Global Environment	1	Key-value. Not "register". Not really relevant.
8	Gridball Planning tool	1	Planning tool
9	Shogun	1-2	No mining. Tag value points to those, however. Not really relevant.
10	Tag45	1	No files

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:

affine transformation spaces

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	JA/ishor	1	Looked promising, but source was in C (despite filter).
#3	ATC VM Modu Transformati Language	1	No source
#2	Jvc Clifford	#4	Geometry package, likely has a good deal of relevance
4	Tefcat: The EME Transformation Explan	1	matched badly. Not math-relevant.

5	A Game Demo by The Old Game Factory	1	Looked good, but couldn't open (no gunzip)
6	Umc model transformation tool	1	Nothing relevant
7	Groove	4	Reference, Affine Transform class in awt.Goom
8	Recorder	1	Not geometry - related
9	jSimpleX visual XSL Transformation Tool	1	Not geometry related.
10	MoF/MGT	1	Not geometry related

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:

midi record socket

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 Rules	4 3	Midi processing, network, GUI Source was hard to dig through.
2	Right MIDI tools	1	No files
3	BLINK	1	No files.
4	Clips	4 1	Midi file , Looks somewhat relevant, but no Source.

5	Socket	1	Irrelevant
6	Web browser Do,	1	Irrelevant
7	SocketTest	2-3	No MIDI, but TCP + UDP socket examples; SWING.
8	MIDI Ascent system	1	No files,
9	Java NIO socket framework	2	Has non-blocking socket ex Has socket examples for multiple connections,
10	Knut Compiler Recorder	3	Records examples

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:

Big Deciml

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	Big Numbers	4 1?	Useful library, but no source
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3			
4			

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