

Experiment Three

Participant id:

Participant first, last name: Faraz Munshi

UIC

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

Compared to results-adv.jsp, -this search engine yields better results in all the tasks.

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:

applications using glyph painting facilities

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	Sandbox Pix	3	The API calls are certainly useful to create our application
2	epoline?? PHOENIX	2	API is remotely useful as it is used to process documents
3	Momoko	1	Irrelevant Project
4	nlrgs	3	Uses Swing API, so certainly has useful calls to make our application.

5	Xom-XML based Java GUI environment	4	Its all GUI api, certainly a good match
6	VoJI - Volkert Java Improvements	3	Has a lot of Text handling API calls
7	Java Advanced Network api	1	All Networking API. No relevance
8	Jalin	1	No relevant API
9	Omsveek (now Xapian)	1	"
10	VETR	2	Some API calls may be useful.

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 for data transfer using clipboards

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	Waba for Dos	1	
2	ZPlet: A Z-Machine for Java	2	Seems to have some useful API to make a VM
3	C# Java Virtual Machine	3	Its a VM, so certainly useful code
4	IClipstage	4	Its a Perfect match. This project will be my certain template to use for my VM

5	ZPLET: BLORB fork of a z-machine in Java	3	Mostly relevant API
6	Http Test	3	Relevant data transfer API is here.
7	Java Profiling Tool	2	May be useful, mostly C++ files though..?
8	Javorn - Java Virtual Unix Machine	3	Some API relevant to mock VM
9	OddJob	1	
10	Java- MPI application framework	4	Has API to transfer clipboard data. Also GUI APIs Good match

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 Java source files output abstract syntax 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	Jawast	4	Pretty much what is needed
2	BNF for Java	4	"))
3	Java Trait Language	1	Irrelevant code
4	Struktur	1	"))

5	TFN - Petrinet Simulator	1	
6			
7			
8			
9			
10			

Experiment Two

Participant id:

Participant first, last name: Faraz Marshi
VIC

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

The search engine does a decent job in finding appropriate projects.

Improvement can be done in matching the keywords in the query to the results obtained. For example, the 4th task in this experiment has no proper results produced (it couldn't produce a single result that has the word "DataBase").

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:

Dom Tree HTML documents traverse tree modify 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	Jivan web HTML Presentation Technology	3	mostly relevant API calls found
2	The Jazilla Project	2	mostly irrelevant API
3	ICE Protocol Reference Java code	3	There are some getter calls in the API that might be useful to retrieve HTML attributes & elements
4	Bean LDOM	4	Best match so far. Most of the API calls are relevant & can be directly used

5	Tree DL	3	Most of the API's look convincingly useful for the task
6	Ozone	1	Irrelevant source
7	Decision Tree Jungle	1	Irrelevant source
8	Maple Tree	2	Few API's might be put to use to traverse tree
9	IDots, Java Dynamic Object Tree Software	2	same as above, API's to create dynamic trees is usable
10	JW-TM (Web Tree Menu)	3.	Mostly relevant API to display tree & browse documents

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:

bound indexed property determine property change JavaBeans

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	IBananas	1	No Relevance
2	epoline?? PHOENIX	2	Some API calls can be used to display text in GUI
3	IXML Editor	2	same as above
4	JeMep	1	Irrelevant project code
5			

	Xom-XML based Java GUI environment	2	GUI API calls are useful
6	Malasco	1	Irrelevant
7	HRDAQ- Analyzer	1	Irrelevant source
8	Osprey Network Visualization System	2	Probably again useful for GUI, but no API calls pertaining to bound indexed search or JavaBeans
9	RECODER	3	API seems promisingly useful for searching & referencing
10	Newsfinder	1	Irrelevant source code

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 characters text files iterate and replace ^{substrings}

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	eOLF Open Source Project	1	Irrelevant Project
2	TailBlazer	3	Mostly useful API calls for pattern matching & replacement
3	Fsgrep	4	functionality same as Unix's find and grep implies this project's source can be used fully. Good Match, API ^{corroborates claim}
4	RText	3	Pretty good match. Has API calls to iterate, find/replace

5	XERP	1	Irrelevant. packet source
6	Teaseme Java Virtual Machine	1	Irrelevant
7	Waba for Dos	1	"
8	Aikernel	3	Relevant. pattern matching API calls
9	Malaslo	3	"
10	Math Eclipse Plugin	3	"

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 manage database security permissions

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	<i>Entitlements Library</i>	3	
2			
3			
4			

5			
6			
7			
8			
9			
10			

Experiment One

Participant id:

Participant first, last name: FARAZ MUNSHI
UIC

Block: Green

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

Search engine on Sourceforge.net does a decent job in finding the most appropriate projects. Specially in finding the ones that are popular such as a music Tool. Performance drops when finding more complex queries pertaining to core computer science projects. But, overall its a good search engine with good filtering features.

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:

Share View data MIME store key-value

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	Tranche Distributed Repository	2	"Summary" matches the keywords but no files found on sourceforge to support the claim
2	Extended Root Tree	2	Talks about key-value, so may be useful. Otherwise, doesn't talk about datasets encoded in mime
3	Heli DB	2	Same as above.. API relating key-value pairs maybe useful
4	Mime Type Detection Utility	2	This one knows how to detect MIME types so certainly useful, although no API found for retrieving data by mapping key-values.

5	Mime Type Detection Utility	3	As The API suggests it uses key-value mapping to retrieve information.
6	Open Source Portfolio	4	Seems like a best match so far
7	Fractal View	3	API looks useful, except that it doesn't know how to look for mime encoded types.
8	iTrust Medical Records Description	2	"Summary" looks promisingly useful but no source files found to support the claim
9	Monolith Single File Store	3 2	A Good Matching Summary, but again, no source code available
10	Bit Hull	3 4	A good match, useful API calls in all aspects

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 transform vector spaces using linear transforms

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	Parallel Cott	3	mostly relevant API calls pertaining to the given task
2	X to XML	1	No API calls to transform vector spaces in particular.
3	SONIVIS : Tool	1	Tool used for analysis in general and not to transform.
4	Simple vector Library	1	I did filter to Java & it shows source files with pascal API's. Application claims to be multilanguage but not useful for a Java developer trying to write a library

5	Transform SWF for Java	2	Irrelevant, mostly, though some transformation APIs might be useful
6	JLinalg	1	Irrelevant
7	Word vector Tool	2 3	Mostly Relevant API calls but has nothing to transform between different vector calls spaces.
8	Linear Algebra Class Library	1	Irrelevant library
9	Java Linear Algebra Library	2	Seems like a well-equipped API May be, some of them be of good use
10	locale4J	4	Seems like best one so far. Only one that has API calls to transform & that can store translations.

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:

Record Save Play voice MIDI communicate over connections

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	JMidiTools	3	Good number of useful API, doesn't look like it has calls to record voice
2	Java Sound Player and Recorder	4	Exactly what is needed
3	MIDI Agent System	4	Great Match: I would use this project
4	Amplitude	1	Irrelevant, doesn't perform any of the tasks

5	Sound Helix	3	Mostly Relevant. can't record voice, no such API calls
6	IRhearsal	3	same as above
7	MIDI keyboard coach	1	Irrelevant project, doesn't comply to any of the requirements
8	FONC	2	API calls to communicate may be useful, but doesn't really record & play voice..
9	Drum Trainer	1	No source available
10	EnZAnkara	4	Great Match. Will use this project code