

Experiment Two

Participant id:

Participant first, last name: SWETHA SHENOY.

Block: Magenta

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

- If the search is ran again with the same keywords, after a while, results vary.
- For the query:
concurrent access to hash map data structure by multiple client threads
 - ↳ All the api calls retrieved were related to hash maps only, none ~~implemented~~ retrieved api calls related to threading even when the order of keywords was changed.

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:

parse HTML create traverse edit DOM 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	project description seems a bit relevant and relevant apis implemented.
2	ShariXML parser	2	somewhat relevant.
3	ICE Protocol Reference Java Code	2/3	a lot of DOM apis implemented.
4	Ripsaw	1	

5	Disk DOM	2	some apis implemented
6	TexConverter	1	
7	CyberNeko HTMLParser	2	some apis implemented
8	crademics - webs	1	
9	streaming XML -- DOM event processing	1	
10	the Hg HTML Generation Library	1	

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 bound indexed property change application bean.

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	Eclipse NSIS	2	some api calls maybe relevant.
2	Genesys middleware	3	many api calls maybe relevant
3	jethro	1	
4	Expressive Application Generator	2 GUI	some api calls maybe relevant.
5			

Comment : For GenericFX; file names did not appear; only line num. & api used.

5	GenericFX	2	same as above
6	Quick Sequence Rigam Editor	2	same as above.
7	JSwat - Java Debugger.	2	—o—
8	Tea Trone	2	—o—
9	Xom - XML based Java GUI environment	2	—o—
10	Xito	2	—o—

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 in character sequences txt files
replace matched subsequence

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	Advanced File System Editing Tool (AFET)	3	relevant api calls implemented.
2	RegexSearch	3	project description looks relevant but no api calls reviewed.
3	Treepad	3	relevant api calls implemented.
4	TailBlazer	2	some code fragments might be relevant.

5	Fsgrep	2	project description sounds relevant
6	Malaseo	2	some api calls seem relevant
7	CloverETL	2	only few api calls relevant
8	TexConverter	2	— —
9	StringTree Java Utility package	2	— —
10	Outrep	2	same as above.

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:

synthesizer sends receiver interprets midi events

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	RasmusDSP	3	project description is relevant; also many apis are relevant
2	MidiQuickFix	2	some api calls maybe relevant
3	TuxGuitar	2	some api calls maybe relevant
4	Trilomus	3	— o —

5	Java Sound Resources	4.	project contains tutorials and examples & will be useful.
6	MyDP - Piano Tutor	2	some api calls maybe relevant
7	DGintar	3	many midi related api calls.
8	PJL Midi Parser	2	some api calls maybe relevant
9	JDX7	2	— o —
10	Saiph	2	project description looks relevant but not many relevant apis.

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:

handling and manipulating security permissions in a ~~database~~ 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	Waba for DoS	2	some api calls may be relevant.
2	Team Elements	1	
3	Sq Database Client	1	
4	gh	1	No relevance to databases

5	IKVM.NET	2	some api calls may be relevant.
6	MX4J	1	
7	Nexopen	1	
8	Xito	2	some api calls may be relevant, but not related to database.
9	gworkage	1	
10	jpTools	1	

Task

Implement a library for managing concurrent access to hash maps (i.e., the hash maps data structures should be simultaneously accessible by multiple client threads). The concurrent hash table map or table should support regular operations such as clear, contains, put, remove, replace, size, etc.

Results

Please specify what keywords you used in your query:

concurrent access to hash map data structure by multiple client threads.

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	RECODER	2	some api calls may be relevant
2	Golqui	2	apis related to hashmaps may be relevant.
3	Akerblad Sentence aligner	2	— —
4	Oscar3	3	lot of hash map related apis.

5	POESIA	2	hashmap & tree map related apis
6	QuickFIX/J	2	—o—
7	LT4eL	2	—o—
8	Hierarchical Map	2	project description sounds a bit relevant
9	Arca Backup	2	some apis might be relevant
10	QueryForm Database Tool	2	—o—

Task

Load and execute Java threads from a folder containing classes. Load each class and execute it in its own thread. Keep information about the number of threads and how long to completion. Keep a pool of available threads to accommodate user inputted class names.

Results

Please specify what keywords you used in your query:

load and execute each class own thread maintain thread
information thread pool

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	checkpoint commander	3	many thread apis
2	enatgine reviews	3	— o —
3	zephyr	2	thread related apis
4	uberlib	2	— o —

5	HRDAG Analyzer	2	thread related apis. File names were not retrieved
6	FVM	2	thread related apis
7	Essee Java Framework	2	— o —
8	Java Dynamic DNS Content	2	— o —
9	The Jkix Project	2	— o —
10	epoline ?? PHOENIX	2	— o — File names not retrieved.

Task

Java Virtual Machine (JVM) monitoring tool that allows users to view options in the virtual machine and to dynamically change options in the JVM.

Results

Please specify what keywords you used in your query:

JVM monitoring tool allow users to view and dynamically change options in JVM.

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	Assembler JVM	1	
2	redefines	2	project descriptions sounds a bit relevant.
3	NAYA in Java	2	some api calls maybe relevant.
4	Relative JVM	1	

5	Java JVM/KVM Jabber client lib	1	
6	Nike chat	1	
7	JavaServer	2	project might be relevant
8	TransJVM	1	
9	Uka launcher	1	
10	JRemotekon	1	

Experiment Three

Participant id:

Participant first, last name:

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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

It was surely helpful to know what api calls have been implemented in the project while using Exemplar.

In case of sourceforge, it was not entirely feasible to depend on project description alone & to download each application would be tedious & time consuming.

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 painting facilities visual presentation of 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	TECstringer	2	All ranking based on project descriptions only.
2	Image restoration and inpainting	1	
3	XPL Editor	2.	
4	HyperImage	2.	

5	Hippopotam Java Presentation Layer 2.		
6	inventoryization 1		
7	txtkit 1		
8	jkrvp 1		
9	sardak look and feel 2		
10	DoubleType 2		

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:

lightweight virtual machine data transfer using clipboard &
sun GUI support

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	Pastelno	3	concepts of data transfer using clipboards might be implemented.
2	Clipboard share	3	—
3	JC Virtual machine	3	Implementing a virtual m/c concepts can be found.
4	zplet	1	

5	the Aegis VM Project	2	VM implementation part might be useful.
6	ZPlot: BLOBB fork of a Z Machine in Java.	1	
7	Java MDI Application framework.	1	
8	JDatabaseImportTool	1	
9	UDP File Transfer.	1	
10	Clipboard to DB.	2	some concepts might be relevant.

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 file output traverse 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	Javast	3	code to create abstract syntax tree
2	BNF for Java	2	parsing concepts might be implemented
3	ASTcentric	2	create & edit ASTs concepts
4	ast parser	4	very description very similar to task

5	Tree Editor for Java	2	some concepts regarding AST might be relevant.
6	TreeCan Syntax Tree Drawing software	2	not sure about relevance.
7	BinaryNotes	2	AST notation concepts
8	BinML Library	2	builds AST from a binary file.
9	xml parser.	1	not relevant
10	Java(xml) log analyzer.	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:

GUI application shows data in dynamically modifiable tables with scrollbars.

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	ColorChoses	1	No relevance.
2	open L Tablets	2	some concepts regarding tables might be relevant.
3	Easy DB Filler	2	code regarding table manipulation might be useful.
4	Database Populator	2	— o —

5	3buzza	1	code for adding & removing new slots for samples might be useful.
6	TimeCut Time Tracking Application	1	No relevance.
7	JGuiGen - Java GUI Application Generator	2	table manipulation code might be useful.
8	SVN Statistics	1	No relevance.
9	Grails Application Generator	1	—
10	DB2xml structure generator with xsl	1	—

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 and evaluate XPath expressions return results

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	code to evaluate expressions in Java might be useful.
2	XPath over XML Schema	2	evaluates XPath. code might be relevant.
3	XML Unit	2	code related to XPath expressions might be useful.
4	Matlab's Octave, Matlab Clone in Java	1	No relevance.

5	Simple XPath Parser API	2	xPath expression related code might be present.
6	XML documents from XPath & its data.	2	—
7	Granny Dice	1	No relevance.
8	Video Poker Engine	1	—
9	RegEx Editor	1	—
10	Mat4J	1	—

Task

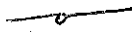
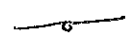

Implement a simple drag and drop manager. The manager should specify when and how a drag gesture may occur and implement a set of handlers that shall be invoked in order to cause processing of the user's navigational gestures. The manager should also define and implement drag and drop protocol notifications. The drag and drop manager shall permit only one drag and drop operation at a time and shall reject any further drag and drop requests until the extant operation is complete.

Results

Please specify what keywords you used in your query:

simple drag and drop manager.

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>perature</i>	<i>2</i>	<i>drag & drop code might be present.</i>
2	<i>syncDocs</i>	<i>2</i>	<i>—</i>
3	<i>Art's Nest</i>	<i>3</i>	<i>—</i>

4	Universal Database Manager	2	drag & drop feature implemented
5	Easy layout, Layout manager for Java	1	No relevant code
6	Generation	2	drag & drop feature implemented
7	Drag & Drop Install development system	2	
8	GJae Internationalized version	2	
9	TLA TLC Graphics Editor	3	
10	PDF Forms Designer	1	No relevance

Task

Create a power status monitor that retrieves and reports external vs internal power status data, sits in system tray and change color based on status, and offer options to automatically start on system boot.

Results

Please specify what keywords you used in your query:

color changing power status monitor in system tray reports external vs internal power status data.

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	GPS Status	2	power status display concept
2	hudson tracker	2	system tray concept
3	red hot power notifier	2	system tray & notification concept
4	vMonitor	1	No relevance

5	Blue Oxygen Kukunmyu	1	No relevance
6	Expers Int	1	—o
7	Dejavu mini framework	1	—o—
8	Emis e Monitor	2	system key concepts
9	syp profd	1	No relevance
10	cc Tray Icon	2	color changing concepts implemented.

Experiment One

Participant id:

Participant first, last name: SWEETHA SHENOY

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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 across projects

Task One : Most of the api calls highlighted for this search were the same but not entirely related to the search. Was looking for some more api calls.

General Comments : In most of the tasks, the almost api calls returned across projects were the same. There was some sort of redundancy. ~~needed~~ in the results as far as api calls were implemented.

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:

large data sets MIME encoding retrieval 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	BIOLAP	3	ability to explore large genome data sets.
2	J2EE For All	2	project is irrelevant but has some api calls implemented.
3	Satellite Web App	2	No comments.
4	Genetic Model Requirement System Database	3	software and database to handle genomic data.

5	wings	2.	project is irrelevant
6	dem4che a DICON Implementation in Java	2	Not sure if project is relevant
7	xBus	2	project is irrelevant
8	the planet earth project.	2	project is irrelevant
9	IDEM	1	comp no project description or api calls located were relevant.
10	Ground- work Foundation	2	project description irrelevant; some api calls may be relevant.

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 supporting affine transformation between vector spaces using rotation scaling shear shift.

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	the Jazilla Project	2/3	a good number of relevant api calls implemented
2	Java Cardiolungary simulations	3	same as above.
3	Atomix Forums wrapper	2	some relevant api calls are implemented
4	jGrid Shift	1	Not relevant to task.

5	The JUMP Pilot Project	2	some relevant api calls are implemented.
6	GeoServer	2	same as above.
7	ANJI	2	same as above.
8	xnlage	3	might be relevant to task lot of api calls implemented.
9	KEna.	2	some relevant apis calls are implemented.
10	Open svG Vencer	3	Project description does not seem relevant but a lot of relevant api calls are implemented.

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 and voice system play midi records communicate with users who save conversations replay sounds.

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	Column Controls	1	does not deal project deals with images and not sounds.
2	Xeroge Player	2	project can save data as standard MIDI files but does not talk about playing them.
3	CodeSanding	2.	Not sure if project is completely relevant.
4	Audio Development System	3	satisfies many of the search keyword concepts & task description.

5	Java Sound Resources	3	project has examples, tutorials, so might be useful.
6	Ucar	2	not relevant to task
7	Scaph	2	project not relevant to task.
8	MidiBunk EX	3	might be relevant in handling MIDI files.
9	Tritonus	2	not sure if it is relevant.
10	JDK7	3	MIDI relevant to MIDI files.

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 to represent and manipulate BigDecimal numbers

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	Rekorelator	2	project description sounds irrelevant but some api calls are implemented.
2	Ecalculator	3	project seems relevant to task and few api calls implemented.
3	Dataset Library	1	highly irrelevant to task.
4	esGraph Library	1	No relevance to task.

5	Math4J: A maths library	2	proj might be relevant. only few api calls implemented
6	DAStacot library	2	not sure about relevance. No api calls shown.
7	OpenJGraph	1	project related to graphs.
8	JExigo - Java Precision Math	3	Highly relevant
9	Toolbox for Java/JT open	2	some api calls implemented
10	Java Automata Library	1	Not relevant.

Comment: Encountered an error when I included
*.zip files. Search ran successfully without
the "*".

Task

Create an application for creating, opening, and manipulating *.zip files. The application should support opening *.zip files for reading, deleting after opening as well as adding new entries into existing *.zip files.

Results

Please specify what keywords you used in your query:

application to create open manipulate .zip files.
added the following also: (read write delete)

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	BeoZip	3	Java APIs for reading/writing ZIP files were found.
2	Waba For Dos	2	Project description is not relevant but seems to use a lot of zip related api calls.
3	Java - Conix	1	not relevant No relevant information in project description or api calls.
4	MPXT; Microsoft Project Exchange	1	same as above.

5	Spencer	1	same as above.
6	Kelsten	2/3.	to view & search zip files code is present.
7	RCPTutorial	1	No relevance to task description.
8	giz	1	No related apis.
9	GDataFS	1	No related apis and no relevance in proj descrip.
10	XMLStorage	1	Project deals with XML and not .zip files.

Task

Create a framework that provides transactional support for CORBA-based applications. The framework should handle security and authentication, resource pooling, and database connectivity.

Results

Please specify what keywords you used in your query:

framework providing transactional support security authentication resource pooling database connectivity for

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) CORBA based applications.
1	Tyrex	2/3	the services provided are not for CORBA. might be relevant to CORBA
2	AAA Security Framework for Analon	2	framework is not for CORBA
3	HA-JDBC	1	Not relevant to task.
4	Pole Position	1	same as above.

5	Simple JTA	2	Not related to CORBA based apps
6	Acegi Security Extensio Project	1	Not relevant to task.
7	Kowari	1	Not relevant to task.
8	PLATform	2	Transaction safe environment provided but not for CORBA.
9	Flomirection Pool	1	Not relevant to task.
10			

Task

Implement a library for managing tooltips (A tooltip is a common graphical user interface element. It is used in conjunction with a cursor, usually a mouse pointer. The user hovers the cursor over an item, without clicking it, and a small "hover box" appears with supplementary information regarding the item being hovered over.). The Tool Tip Manager library should support operations for configuring how long it will take for the tool tips to become visible and for how long they hide.

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			
2			
3			
4			

5			
6			
7			
8			
9			
10			

Task

Create an application feature that uses Secure Sockets Layer (SSL) with X509 certificates for authentication. It should signal when no more inbound network data will be sent to this application.

Results

Please specify what keywords you used in your query:

SSL with x509 certificate authentication signal when
no inbound network data.

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	CertForge	3	APIs might be relevant
2	fwakosgi	2	some APIs might be relevant, not sure.
3	open-VA. the open validation authority	2	a lot of x509 certificates API calls are used but might not be relevant to task.
4	zkeuProxy	2	same as above.

5	Tammi	1	Not relevant to task.
6	QuickServer TCP Server Framework.	1	Same as above.
7	The XLaltive Project	1	Not relevant to task.
8	AGFW	2	A lot of SSL and XSOA apis used but uncertain of relevance.
9	wiKID Strong Authentication System	2	Same as above.
10	Cryptg	2	Same as above.