

Experiment Two

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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

- topics can be made more simple.
- I realize that the tasks that are too technical can lead to very broad keywords

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 DOM

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	3 4	it sort of a reverse but it still make sense completely what I need
2	Shani XML Parser	3	Can parse but not create DOM
3	TexCon verter	3	parsing aspect is reusable
4	DISK DOM	3	Heavy on DOM side but not in XML

5	OLR	2	no strong relation between XML → DOM
6	Hg HTML	3	parsing reusability
3	CyberNeko HTML Parser	3	parsing reusability
4	1CE Protocol Ref-Java	2	can not understand
9	ByteIt Tag Print	4	very relevant
10	HTML Parser	3	parsing reusability

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 GUI

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	Kenghira	3	relevant but english language comments are still usefull
2	News fighter	3	relevant in code but the description doesn't seem to invite the user
3	epoline? Phoenix	2	can I am confused
4	BigZip	3	API call ^{use} is a good example
5	JLameo	3	JBean & GUI covered

6	JBANANAS	3	JBeans and GUI covered.
7	L60L User Group	4	needs password to unzip
8	Osprey	2	more on GUI
9	Internal chat	2	more on GUI
10	Java Application Framework GUI	2	talks only about GUI

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:

text file character sequence search match 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	Adaptive Planning Express	2	a little bit of searching but not much use
2	Desktop Search	3	usefull but can't do the replace function
3	Oregox- Regular Expression for Obj	3	no replace
4	Owicap	2	not much to reuse

5	Web XSS Detector	2	a little bit of search but very incomplete
6	httpunit	2	no replace function and very little reusability
7	File Search-n- Match	3	Search and match are usefull but no replace
8	eOLF Open source	2	only an executable was available for download- Accdg. to kemplar, the api calls are relevant
9	EuroNath2	1	I can't trace the code
10	SilkWorm	3	works but lacking the replacement function

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:

maintain database permission

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	profileX	4	through the XML, The Data base can easily insert/update records
2	DJ2 - Database for docum	2	some codes can be reused but needs to be changed to address permissions
3	NO Weapons	4	"permission" is not related to the access rights to the database
4	Rapla	2	doesn't have to do anything with the requirements but the API called are useable

5	Schemata	3	connection to DB is a useable concept
6	GreeneDB	2	not much to reuse
7	Upc Pantry	2	not much to reuse
8	Immigration	2	not much to reuse
9	JavaSol 2	4	permission referred to copy rights
10	acegi-test	3	

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 synthesizer

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	alot of API that touches on MIDI but not much on synthesis
2	Semiofon emotional speech	2	not much to reuse
3	Fluid Gui	3	Reusable
4	jMCoP	2	third party synthesizer

5	noise comp	4	Reusable in all aspects
6	Pitch Patch Synthesizer Patch Editor	1	can't follow the code
7	Sky Synthesizer	4	Reusable in all aspects
8	Xenogears Player	2	no synthesizing of the music
9	FreeTTS	2	can't follow the code
10	DGuitar	2	game doesn't really do synthesis

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:

maintain hashmaps

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)
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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:

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)
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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:

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)
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Experiment Three

Participant id:

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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

- Topics are simple and well thought of.
- After entering the keywords . There must be a way to see what was entered instead of hitting "back" button
- In a search engine, I believe that its how you phrase the keywords that ^{gets} ~~makes~~ you the best result. So my opinion is, how fast and simple should ~~an~~ an engine require the user to input the keywords. Description is better since most of ^{the} filtering is done by the end user.

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 visual presentation

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	DrawSWF	1 3	able to create visual representation no source code from sourceforge - upgrading to 3 since it was a jar.
2	DoubleType	1	doesn't do anything with glyphs
3	McBilliards	2	Glyph Metrics API is the only thing that can be reused
4	SWTswing	2	Glyph Metrics is the only thing that can be reused

5	TekMath	2	Not much reusability
6	JSpam Assassin	2	Not much reusability
7	ThinClet	2	there are some ideas but not exactly what the requirements are asking
8	Dusty script Computer Program for kids	3	most of the calls are reusable
9	DESMD-J	2	not much reusability
10	Nety	2	not much reusability

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 pc gui

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	Mute Virtual Studio	1	no files
2	Vmt Architect	1	corrupted rar file
3	Open GUI	1	no files from sourceforge
4	The Virtual Lightbox	4	a lot of reusability

5	JCalc	1	doesn't touch the concept of Virtual Machine
6	Jasmine IDE	3	although it's not more on virtual machine, basic functions
7	Compatipal System Emulator Wizard	3	lots of reusability
8	PC Zine	2	not much reusability
9	Warhammer Fantasy Battle PC	4	
10	JTransplant	2	File transfer can be reused

can be
reused

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:

java source file to 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	Tree Editor for Java	4	complete
2	Javast	4	complete
3	Synaff	4	complete
4	Tea Tree	2	different filetype but talks / covers conversion

5	LALR Parse Gen.	4	Complete
6	Dynamic Java	2	no reusability but handles reading of Java file
7	Local Project Database	1	can't follow
8	Permio CMS	1	can't follow
9	Java Recompile	2	reads Java file but nothing for AST
10	AST Centric	3	handles AST but not originating from a source file

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:

flexible tables database grid

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	Social Grid Agents	1	nothing to do with tables
2	Tecoma	4	HTML Tables are considered GUI
3	Spinneret	1	no relevance
4	LoguiGrid Ajax data grid Web Control	4	very reusable

5	JBC Browser		nothing to do with GUI
6	DB Copy Eclipse Plug In		nothing to do with GUI
7	SQL Developer		nothing to do with GUI
8	Flexible SQL		nothing to do with GUI
9	KTABLE	4	useable but works as a component that can be attached to a GUI App
10	Compare Database with any DBs		nothing to do with GUI

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 checker

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>XML Documents from XPath</i>	<i>4</i>	
2	<i>XPath Explorer</i>	<i>4</i>	
3	<i>XPath Work Bench</i>	<i>4</i>	
4	<i>Ruin BDI Agent Engine</i>	<i>1</i>	<i>Doesn't deal with XPath or even parsing</i>

5	Simple XPath Parser API	4	
6	JBind - A Java XML Data Binding Framework	1	covers very little about parsing
7	Psycho Path	2	Only deals with parsing
8	PPDL4J	1	Can't follow
9	NG4J - Named Graphs API for Java	1	Can't follow
10	BaseX	2	Only deals with parsing

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:

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)
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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:

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)
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Task

Implement a library that allows representing and manipulating glyphs as a standalone entities as well as vectors of glyphs (note: a glyph is the visual representation of one or more characters). The library should also provide basic functionality for obtaining basic metrics on glyphs, for instance, the distance from the glyph's origin to the origin of the next glyph along the baseline, which can be either vertical or horizontal. The library shall not include any functionality on interpreting the sequences of glyphs it contains. The relationships between adjacent glyphs in a sequence should be solely used to determine the placement of the glyphs in the visual coordinate space.

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)
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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

* Task / Topics

- make it more simple and specific to make it easier for the keywords. Most of the tasks are ok but the 2nd task is too "scientific".
- example of good tasks are:
 - 1) MIDI Files, play record
 - 2) Manipulate Zip File

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 data sets blog genom

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	CHEMICAL MIME DATA MIME TYPE DETECTION UTIL	1	No file.
2	MIME type Detection util MIME - DIR and VCard Java API	3	NO FILE . Can reuse most of the codes/ classes but the rest is/are irrelevant
3	MIME DATA and VCard Java API BIOLAP	1	can't find anything to reuse
4	Mobile Uploader MOBUP Mobile Uploader for Flickr	1	No file/codes.

/ * First time, forgot to filter * /

5	CONTRIBUTE Tranche Distributed Repository	1	no file
6 7	Open Linked Data Open Data Feed File Interface ^{system}	1 2	no file reuse on viewing/exploring can be reused only
8	SCALAR Tiling Micro array analysis tool	2	reuse on viewing/exploring aspect only
9	GENES GENOM	1	no file
10	Move Move My My Upload Data for Flickr	1	No file
11	LibStance nxml String Manipulation	1	no file

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 vector spaces linear transformation translation

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 Parser	1	no file
2	WSML2 Reasoner	2	some logic can be used but not all.
3	ATC VM Model Transformation Language	1	no file
4	TekFat: The EMF Transformation Engine	1	no file

5	UML Model Transformation Tool		totally different subject
6	Groove		totally different subject
7	Recoder		totally different subject
8	jSimpleX Visual XSL Transformation Tool		totally different subject
9	MoTMOT		totally different subject
10	XiT Transformation Engine		totally different subject

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:

talk record play MIDI

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	Sound Helix	1	No downloads
2	JRehearsal	1	no source code
3	MIDI Keyboard Coach	1	no source code
4	Drum Trainer	1	no source code

5	EnzAn Kara		no source code
6	Multi Media Box		no source code
7	PIMPS		no source code
8	JMidiTods		no source code
9	Niffly NIFE Music		no source code
10	Code Sounding		no source code

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:

manipulating BigDecimal

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	2	Not complete with what's required
2	JExigo Java Fixed Decimal	1	no file
3	Big Calculator	1	no file
4	Java SYLK	1	no download link

5	Java Geom		not relevant
6	Topic Maps		not relevant
7	TV - Anytime		not relevant
8	PDF Form Designer		not relevant
9	ORAL Utilities		not relevant
10	JGFX-tool		not relevant

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:

create open edit delete zip file

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	JSP File Manager		no files
2	JSP File Editor		no download link
3	Pdb Editor		not relevant to zip files
4	JGui Gen		not relevant to zip file

5	Property File Manager	1	not relevant to zip file
6	Java Comix	1	not relevant to zip files
7	JProps Edit	1	not relevant to zip file
8	JFile Content Mgr	4	this is what I am looking for but has problem reading the jar
9	ProEd - A property File Editor	3	It's limited to java files but the code can be tweaked to encompass any zip file
10	tei Publisher	1	not relevant to 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:

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)
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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)
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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:

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)
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