

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

This experiment was a little bit more difficult in finding keywords that would best fit the task description.

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: *load parse html create 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	Sivan Web HTML Presentation Technology	4	Provides a Dom tree of an HTML Template. Uses the W3C DOM API TO access HTML and write the dynamic data into the document.
2	ShaniXmlParser	3	Can parse HTML docs and put in Dom tree but it's a non validating parser
3	WebStencil	4	Can parse load HTML docs. Has error handling. Based on DOM from XMLC or Sivan.
4	ICE . Protocol Reference Java Code	4	

5	Computation tree	2.	Creates a computation tree in Java.
6	MapWizard	4	This creates image maps
7	CyberNeko HTML Parser	2	Can parse through HTML doc's and access information using standard XML interfaces
8	TeXConverter	4	Does not parse HTML doc's and does not create a DOM tree
9	Disk DOM	2	Can use this code to create efficient DOM trees that doesn't take up all of your RAM
10	Streaming XML -- DOM event processing		

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: *javabean bound index property*

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	Navel JavaBean Introspection Tools	4	Project uses JavaBeans and also contains a PropertyBeanHandler class
2	Swing Property binding	1	Contains no source file
3	BeanMaker	2	
4	epoline??. PHOENIX	1	doesn't handle JavaBeans
5			

5	DeepArc	1	This doesn't provide any info regarding our task at hand.
6	My Doggy - my Java Docking Framework	1	Does not use bound indexed Property
7	JDateChooser	2	
8	Property Watch	4	
9	JDVDslideshow	4	
10	DBClient	1	

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: *find replace string text 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	JFind Replace	4	Can replace text in several thousands of files in one click.
2	RText	4	Customizable programmer's text editor w/features that include editing multiple doc's at once.
X4	PicL	4	This renames digital photos
X5	JReplace	3	Can search & replace multi-line text in files in a directory or subdirectories

X6	Textfile manipulation Tool	2/3	Can replace string into files
X7	J	3	multi-file find + replace
X8	J-Sand	2	Can only search within a tree/ directory
X9	Same	2	finds all files within a directory that contains a certain string
X3	Nodepublisher	4	this is a website manager
10	Batch Text Replacer Wizard	1	No source files

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:

database security ~~permissions~~ settings

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	Security J2eeAppCheck	4	
2	Security J2Man, a Java Configuration manager	4	
X4	J2eeAppCheck Java Battle Soccer	X 1	
X5	Gracelets	4	

X6	JXplorer - A Java Ldap Browser	1	
X3	MCDb Java Database Record Manager	4	this uses manages small data sets of program settings in a database
7	Object Cloud	4	
8	Accordion Settings editor	4	
9	TCP Settings Switcher for Windows	4	
10	PasswordWallet	1	

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:

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 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:

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

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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

This took more thought process and looked for similar keywords.

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: *reuse found applications to create 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	PPTAssist	3	the logic in reusing past slides to create a new presentation
2	Tercus Visual Programming Platform	4	
3	App Explorer	4	
4	Hippopotam Java Presentation Layer	4	

5	Facelets Presentation Framework	3	
6	SwiXUI Tag Library	3	can use tags to create data grids, interactive trees, forms and visual containers
7	SQL Processor	4	
8	Xorro Presentation Layer	4	
9	Abacus Java GUI BUILDER	/	
10	SwingXUI	4	

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: *Create light weight ^{java} virtual machine*

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>C# Java Virtual machine</i>	<i>4</i>	<i>Can create a virtual machine using C#</i>
2	<i>JASA DB</i>	<i>1</i>	<i>this is for creating a database</i>
3	<i>Java MicroWeb</i>	<i>2</i>	<i>Can use some components to create light weight java classes</i>
4	<i>Omega State Machine Framework</i>	<i>3</i>	

5	Light - Weight Visual Components Library	2/3	Can use some components as an alternative to AWT-based GUI interfaces
6	the Jan Virtual Machine	2	this is a virtual machine within a virtual machine
7	JavaSteps	3	this can help create simple and light-weight flow execution engine
8	Lorem Ipsum For Java	4	
9	Essence Java Framework	1	
10	GeneSys Middleware	4	

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 file 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	Jarast	2	
2	Tree Editor for Java	2	
3	Syndiff	4	it takes a file and builds an abstract syntax tree for that file
4	BNF for Java	4	

5	Neat Cleaner	3/4	replaces @rules takes HTML/VTU/JS and turns into well-formed Node Tree then outputs into Pretty source
6	Jnex Java Framework	4	
7	Java Assembling Language	4	
8	Java Trait Language	4	
9	FAST SDK	4	
10	AST Reproduce	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*

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 Menu	1 2	
2	Tables Store	1	No source file
3	Java SQL Admin	3	
4	Html2sql a miner, web bot, notifier	4	

5	Java Dynamic DNS Client	4	
6	Dynamic Interface	1	No Source code
7	SmagArchive	1	No Source code
8	ASL	1	No Source code
9	Starlight MMORPG	1	This is a video game. No Source code
10	UML viewer Eclipse plugin	1	No Source code

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 validator*

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	Resource Bundle Validator	1	No source file
2	Xpath over XML Schema	3	Evaluates XPath 1.0 expressions over W3C XML Schema definitions
3	Structured text tool Kit	4	Toolkit includes a Parser, XPath evaluator, and a Schema Validator
4	Psychopath	2	

5	Jivan Web HTML Presentation Technology	4	
6	BaseX	2	
7	Navicore Java Libraries	4	
8	eclipse-xpath- plugin	2	Evaluate XPath expressions on XMC content
9	Simple but Extensible Validator	4	
10	Z39.86 DTB Validator	4	

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

This experiment would have been more helpful if we had a faster internet connection. Downloading some of the source files took a long time download.

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 explore MIME*

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	Mime Type Detection Utility	3	
2	Mime-Dir and Card Java API	1	
3	Java Mime Magic Library	2	This only determines the MIME type of files or streams. No way to share data set(s).
4	jfile - Java lib to detect file mimetype	4	The specific purpose for this code are: A standard way for applications to install new MIME related information, getting the MIME type for a file, getting information about a MIME type, and to have standard locations for all the files, and methods of resolving conflicts.

5	Explore 3D	1	
6	Regular Expression web replication	3	This project uses MIME types to accept or reject, examine or ignore, and save or refuse pages.
7	MIME4J	1	
8	Pooka	1	
9	JWebMail / Java Webmail	1	
10	JavaMail Cryptography API	1	

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*

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	JAligner	1	
2	JVClifford	4	Project uses Geometric Algebra operations and geometric scenes modelling & rendering using the n-dimensional geometric algebra affine model
3	ATC VM Model Transformation Language	1	
4	Tektat: The EMF transformation Engine	1	

5	A Game Demo by The Old Game Factory		
6	UML Model transformation tool		
7	Groove		
8	RECODER		
9	jSimpleX Visual XSL Transformation Tool		
10	MoTMOT		

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	<i>Sound Helix</i>	<i>1</i>	
2	<i>J Rehearsal</i>	<i>2</i>	
3	<i>MIDI Keyboard Coach</i>	<i>1</i>	
4	<i>Drum Trainer</i>	<i>1</i>	

5	EnzAnKara	1	
6	MultiMediaBox	1	
7	PIMPS Is My Piano Superstar	3	
8	↓MidiTools	1	
9	Nifty NIFF music display	1	
10	CodeSounding	2	

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: *bigdecimal manipulation*

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>Big Numbers</i>	<i>1</i>	
2	<i>jExigo - Java Fixed Decimal Arithmetic</i>	<i>1</i>	
3	<i>Big Calculator</i>	<i>1</i>	
4	<i>picture - makeup</i>	<i>1</i>	

5	Jericho HTML Parser	2	
6	Berkeley DB Manipulation Tool	1	
X 8	imageOrder	1	
X 9	Marrin- Image Processing Framework	1	
X 7	Palaski	1	
10	Web Services Description Language for Ja	1	

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: *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	Zip Code Finder	1	Task is not looking for zipcodes
2	ZipME	1	
3	Eclipse Zip Editor	1	
4	Snazzy Backup	2	

5	Packlet installer tool	1	
6	Java Open Particle System	1	
7	AT4J	1	
8	File Finder	2	
9	Illunus Data Integration	1	
10	Easy Backup	1	

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: *transactional support corba*

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 Object Base		
2	JWAF - Java Web Application Framework		
3	YAPoolman - Yet Another Poolman		
4	Rmi Multicast & Interceptor		

5	Transactional Application Framework		
6	Orbas - CORBA Java Implement		
7	XActor		
8	ORBframe		
9	GroupPac		
10	Java Transactional Memory Support API		

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: ~~tooltip~~ tooltip 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	Screen Jet Screen Jet		
2	Regex Util Regex Util		
3	Basic Download Manager		
4	Express Download Manager		

5	openJen		
6	NW-EDDx Mp3 File Manager		
7	Job Application Manager		
89	MIG Layout Manager for Java Swing + SWT		
88	Job File manager		
10	INFINITY Systems		

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)
1	X509 Eavesdropping		
2	SSL-Explorer		
3	OpenSSL		
4	Xcarecrows 4 SSL		

5	jRevProxy		
6	Filetrans-SSL		
7	ftp4che		
8	WebLOQ 10		
9	Java Secure FTP Server		
10	Cert Forge		