

## Experiment Two

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Please direct your browser to [http://www.xemplar.org/search/index\\_adv.jsp](http://www.xemplar.org/search/index_adv.jsp)

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1) Using of API calls <sup>alone</sup> as the keyword does not satisfy the purpose of an search engine. It is more useful to those people who know what kind of API calls are needed for the project. Moreover using API calls as keyword lists unnecessary projects that use the same API for some other purpose.

Suggestion :- A weightage ~~can~~ can be given to API calls ~~search~~ and also ~~for~~ for the title of the project which will result in better results. Moreover, a ~~the~~ search based on the previous <sup>downloads</sup> ~~searches~~ in that session or downloads for that particular keyword may yield better results.



# 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: *Creating DOM Trees from HTML parsing*

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	4	The project satisfies all the requirements of <sup>the</sup> search
2	ShunXML parser	3	The parser creates DOM trees for validating HTML content but does not allow <sup>users</sup> to edit the HTML contents
3	DISK DOM	3	It allows to create & save DOM trees on to the disk but does not allow users to edit the tree
4	The JAZILLA project	3	They <del>create</del> use DOM API's to create HTML documents

5	Webstencil	3	The project has API's to allow for the creation of DOM trees from HTML elements. It is mainly used for creating templates
6	Streaming XML-DOM event processing	2	They create <del>DOM</del> trees from XML documents rather than HTML pages and also they do not offer any way to edit the tree through HTML.
7	XML Benchmark	4	They create DOM trees and also allow DOM tree manipulation.
8	Koko-Java Web Browser	1	No relevance
9	Tammy	1	No relevance
10	Render i/p format a SVG. trees	2	They create HTML document using DOM trees

# 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: *Detecting property change in java beans using bound indexed 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	<i>epoline?? PHOENIX. (EPHOENIX)</i>	<i>3</i>	<i>The project though does not <del>show</del><sup>provide</sup> explicitly the required functions use them internally for its application</i>
2	<i>jeHeP</i>	<i>2</i>	<i>It uses java beans and the property change method to detect spell checking.</i>
3	<i>XML Editor</i>	<i>2</i>	<i>uses java beans property change method for editor functions.</i>
4	<i>JBananas</i>	<i>2</i>	<i>uses bound indexed property change for Menu functions</i>
5			

5	HRDAI-Analyzer	1	No relevance
6	SALeonardo	1	No relevance
7	Maluso	4	Indexed property change used for Menu displays
8	Checkpoint Commander	4	Indexed property change used for options
10 9	OOONEIDA	1	No relevance

10 proper Edit  
118N property  
Edit 9

2

It is an editor tool - that  
uses index changed property

# 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 and String replacement*

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	The system uses <del>pat</del> java regular expressions for matching and replacing strings.
2	strmatcher	4	The system is for pattern matching and string replacements in a file.
3	Treepad - Java Treepad Editor	3	uses API calls for matching and replacing strings.
4	Arkernel.	2	uses pattern matcher for NLP

5	TailBlazer	3	Implementation of Tail command and extends it by providing pattern matching ability
6	Dynamic Dispatcher	1	No relevance
7	sqldi (SQL command line Interpreter)	1	<del>uses pattern</del> No relevance
8	Malasw	2	ontology matching tool
9	Fsgrep	4	Offers functionalities for pattern matching as well as string replacement
10	WebSPATIX	2	uses HTML URL pattern matching



# 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: *jdbc security permissions 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	waba for DOS	1	No relevance.
2	Novocode Toolkit jsh	1	No relevance
3	Novocode Toolkit Beans Personal financial manager	3	
4	JFCVault 2	4	

5	JDBC Release Manager		
6	KJOS - Java and database integration		
7	Script Manager		
8	universal password manager		
9	Meta Coretex		
10	security Annotation Framework		

# Experiment Three

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Block: **Green**

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# 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: *Creating visual presentations using glyph*

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>DrawSWF</i>	<i>3</i>	<i>It allows users to create <sup>to view</sup> SWF files using glyph metrics <del>are</del></i>
2	<i>Jazilla</i>	<i>2</i>	<i>uses glyph metrics for fonts</i>
3	<i>Icon</i>	<i>4</i>	<i>uses Glyphmetrics</i>
4	<i>Zoomable Visual Transformation machine</i>	<i>3</i>	<i>useful in <del>presenting</del> and visualization</i>

5	Visual App to CVS client	1	No relevance
6	Mc Billiards	1	"
7	Tek Math	2 1	"
8	SWT swing	1	"
9	DIESMO-5	1	"
10	ThinChet	1	"

# 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: *clipboard data transfers*

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>waba for DOLs</i>	<i>2</i>	<i>It uses clipboard to do transfers</i>
2	<i>FONIC</i>	<i>2</i>	<i>Data Transfer is done using FTP connections</i>
3	<i>HttpTest</i>	<i>1</i>	<i>No relevance</i>
4	<i>Open Proj - Project Management</i>	<i>2</i>	<i>It does the functionalities required</i>

5	Distributed FTP Daemon	1	No relevance
6	R Text	3	Editor functions including clipboard
7	Clipboard Tool	3	At Functions to manipulate the clipboard content
8	GCB- Global clipboard	4	Provides all clipboard functionalities
9	Rummage / Slide (Tentative)	4	
10	Advanced Clipboard Manager (ACM)	4	Provides the functionalities of clipboard



# 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: *Abstract syntax tree with graphical interface.*

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	Maya in Java.	1	No relevance
2	Javast	3	Creates AST. No GUI to modify AST
3	Code Soundby	1	No relevance
4	Free DL (Free Description Language)	2	used for document generation from discription trees.

5	Tree planter's Reward System (TPRS)	2	Provides API for viewing & editing tree structure.
6	XML Graphical Java Tree	2	Provides visual display of an XML Tree
7	Abstract User Interface Toolkit	1	No relevance
8	TreeDraw	1	v
9	Classgen	1	v
10	open ASN.1	1	v

# 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 tables with adjustable scrollbars*

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	SP2001:156 : Green Light District	3	Has API calls that create adjustable scrollbars
2	The Aegis VM Project	3	Has API that have dynamic scrollbars
3	Tools generator	4	has API calls that can retrieve scroll bar settings.
4	OACI Business Process Management	4	Has API calls that can retrieve scroll bar settings

5	Klaba for Docs	2 4	Has API calls retrieving scroll bar properties.
6	Open2port	4	v
7	Struts Menu	1	No relevance
8	Free Mind	1	No relevance
9	Java Bean Link	4	Has API calls for getting scroll bar properties
10	unle unc	1	n

# Experiment One

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Participant id: *adham2@uic.edu*

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*ARUNRAJKUMAR DHARUMAR*

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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

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: *Editor for large MIME encoded data*  
*MIME data set explorer*

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	The project is for identifying the MIME type from Input streams rather allowing us to share, view or explore them.
2	MIME-DIR and VCard Java API	3	The project is about implementing a neutral MIME directory for storing personal info (VCard).
3	<del>Microarray</del> <del>ABN.I explorer</del> <del>Editor</del> <del>Plugin for</del> <del>clipse</del>	4	It <del>offers</del> <sup>explorer</sup> and is highly relevant because it offers an <del>editor</del> <sup>explorer</sup> for genome sequences for various manipulations of gene data.
4	<del>MIME4J</del> Angela the Mandelbrot Set explorer	2	It offers a <del>parser</del> <sup>or</sup> instead of an <del>editor</del> kind of editor for MIME data. Set rather than a way to view, share or

5	Oracle - JUTILS	3	The project is more about listing MIME types or sending xMOP messages <del>rather</del> and it does not allow sharing them
6	Jxtray	1	<sup>a Java</sup> It is <del>an</del> database explorer <del>see</del>
7	REX	1	It does not offer an explorer for MIME data set <del>but</del> rather it is an explorer for NOX data
8	Classpath Explorer	1	They don't offer support for MIME types
9	Lit O	2	It offers a way to view, explore bibliographic data and files but no specification of MIME types
10	Virtual Data Explorer	1	They offer a good explorer for both external hard drives and internal ones <del>but</del> do not which is what not what we need.



# 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 transformations using linear transformations and translations for vector 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	A Game demo by the old Game Factory	4	The project has API calls matching with the keyword "affine Transformations" and also hence highly relevant
2	IV Clifford	3	The project uses an affine model for geometric algebra operations rather transformations between vector spaces.
3	<del>beamspace</del> SONIVIS	1	<del>They provide transformations between</del> It is a tool for network mining rather than for affine transformations
4	Vector Visual 3D	2	It is a tool for Special relativity which provide basis for transformations

5	Beansolver	1	They offer translations for XSLT sheets not for vector spaces.
6	PHP_XML-XSL T2Processor	1	Offers XSLT 2 transformation within PHP & not for vector spaces
7	ML-edit	1	Offers only HTML translations
8	Delinanti-raster to SVG converter	1	Translations between different i/p formats
9	Distributed Inference	3	Offers solutions for equations of the form $Ax=b$ which is the affine transform
10	Jstat	1	It is just statistical package

# 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: *universal audio & voice system with advanced features*

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	Asterisk PBX IP PBX	4	<del>Very good</del> offers almost all the features needed
2	proim	3	offers a telephony system but no options for saving and replaying
3	Multimedia Flash cards	4	It is a sound & voice system and performs all the required operations
4	Modular Audio recognition framework	3	It is a voice and speech recognition system

5	Take box	2	It <del>is</del> does not provide sound or voice system
6	Universal Java Messaging		
7	open Catalog		
8	VBetty Servlet		
9	Open JF - open Java Forum		
10	Deep Indigo Sound system		