

Experiment Two

Participant id:

Participant first, last name:

GIJURUMURTHY ATHISENBAGAM

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

- It checks mainly on Java function/API name. Search on function's comment text ^{in code} will improve good search results.
- It works for finding single functionality in single search. Multiple functionality(2) requires two search strings for 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:

DOM Tree editing HTML 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	Jivair Web HTML presentation Technology	4	Best match. Has DOM tree generation, HTML parser and HTML editing APIs.
2	DOM DOM	3	Has DOM tree creation APIs for storing on HDD which has useful APIs for DOM tree generation
3	DCG Protocol Reference Java Code	3	Has some DOM, HTML APIs which could be used.
4	patch editor.	2	Has a 'Tree' generation API which could be used for reference to create DOM Trees.

5	Composer - SWT HTML Editor Widget	2	It's a UI Based HTML edit software - There were code in the archive files so renette didn't grab the API. Besides not many useful API.
6	Sham - XML Parser	2	It's a XML parsing API.
7	Streaming XML -- DOM event processing	2	It has only Simple API for XML parsing - not much useful.
8	Bean LDOM	3	Has DOM tree creation and manipulation APIs.
9	dom 4j b	3	Has APIs for DOM tree generation.
10	JTidy	4	It has APIs for DOM tree and HTML editing.

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:

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	WARA for DOS	4	has API for handling Indexed property change event in a Bean & GUI display..
2	DB schema change Notifier	4	uses Bean ^{API} to notify property change also API for handling Indexed property change.
3	Gene Sys middle ware	3	Has API for Indexed property change in Bean.
4	Wicket web Beans	2	no useful APIs.
5			

5	LG10L Vson group	3	API for property change in Bean is there.
6	TeaTone	2	Not much relevant APIs
7	Eclipse NSIS	3	Has lots of API are example for property change change in a Bean.
8	Expressive Application	3	Has API for property change and GUI creation.
9	xito	1	no API found
10	MFlow	1	no API is useful for this application.

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 RECOGNITION

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	Pattern Recognition Analysis project	4	Has APIs for pattern matching of characters.
2	Hippo Campe	3	Has API for pattern recognition.
3	Java Trait Language	2	only use API for pattern match used.
4	Decision Tree Jungle	3	It has regular expression & pattern matching APIs.

5	Micro parser - Java XML parser	1	no useful API found
6	TFN - Petri net simulator	1	" "
7	Java checker	3	parser API in this project may be useful for pattern recognition.
8	Strukt	4	has parser but no 'character' pattern recognition
9	Tinapoc	1	no relevance
10	JavaVM - The Java Virtual machine.	3	pattern matching APIs in this huge project (if easier to locate) will be useful.

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:

MIDI Sound audio 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	RASMUS DSP	4	Has APIs for synthesizing, interpreting and creating MIDI audio.
2	Tritonus	4	Has MIDI file writer + audio file reader APIs.
3	Fluid Gro1	4	has APIs for MIDI and audio synthesizing.
4	Audio develop-ment system	3	has API for recording and playing MIDI but no transmitter or receiver.

5	Java Sound Resources	4	Best match has APIs for MIDI creation, playing and synthesizing.
6	IDx7	4 3	has MIDI synthesizer API But no API for transmitter.
7	TuxGuitar	3	Has MIDI File editing API, playing API
8	RPitch	3	API to generate MIDI audio.
9	MidiQuick Fin.	3	Midi editing APIs will be useful
10	DGuitar: a Guitar Pro viewer, player	4	Has API to manage create, edit and play MIDI.

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 set 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	Waba for dos	4	Very irrelevant.
2	novacode toolkit	2	Has security of security permission settings but not for database.
3	Tsh	2	has some security APIs.
4			

5			
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7			
8			
9			
10			

Experiment Three

Participant id:

Participant first, last name:

GURUMURTHY ATHISENBAGAM

Block: **Magenta**

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

- good search results.
- some applications didn't have source files (would be nice if that's indicated)

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 user 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	<i>Double Type</i>	<i>4</i>	<i>Best fit, has API for glyph representation to create font editor</i>
2	<i>Vesuf user interface system</i>	<i>2</i>	<i>No files to view</i>
3	<i>O2XMapper</i>	<i>2</i>	<i>no matching API found.</i>
4	<i>JUIE</i>	<i>2</i>	<i>no matching API found</i>

5	Androit	1	NO relevant files found
6	Image reparation of painting.	1	
7	OJAX - Ajax power meta search	2	couldn't find related API
8	Jaxe	2	" "
9	Twibz - cms bases on Java & XML	2	" "
10	Yatey : yet Another Tile Editor	2	no relevant files found.

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:

~~Java~~ Data transfer using clipboard.

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	Java MDI application framework	4	Has clipboard APIs which are reusable.
2	Clipboard store	4	Has clipboard APIs for editing as well as data transfer over network.
3	Paste pro	4	Applied to transfer data on network from clipboard.
4	Sharp tools spreadsheet	2	Has clipboard APIs but not much useful.

5	Jclip share.	4	lots of important APIs for clipboard (transfer) on network.
6	Joxx	1	irrelevant
7	X Answer, data integration project	1	"
8	Java remote desktop	1	"
9	clipboard to DB	3	some APIs of clipboard would be useful
10	J database import tool	1	

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

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>Java SE</i>	<i>4</i>	
2	<i>AST central</i>	<i>4</i>	
3	<i>AST parser</i>	<i>3</i>	
4	<i>AST reproduce</i>	<i>3</i>	<i>useful APIs for AST editing.</i>

5	TreeForm Syntax Tree Drawing Software	3	Some API for GUI of Tree drawing will be useful
6	Tree editor for Java	4	
7	ANTLR Editor plugin for Eclipse	4	
8	Tree DL	3	Few APIs are useful as it deals with tree
9	Tree Draw	3	GUI(API) will be useful.
10	OPIS: Teaching BST Algorithms	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:

Table modify

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	XML portlet Factory	4	library example APIs for Table editing with GUI
2	Amusthen two Framework	4	
3	ATG Repository definition editor	1	
4	Smart table	2	

5	OST periodic Table	3	
6	Tent table Formatter	4	
7	compose Zilla	2	
8	Agile grid	2	
9	Table Tennis Tournament manages	1	
10	periodic Table	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:

xpath 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>xpath engloves</i>	<i>4</i>	
2	<i>Simple XPath parser API</i>	<i>4</i>	
3	<i>mini- xpath processor for J2ME</i>	<i>2</i>	
4	<i>XML Documents from XPath and its Data</i>	<i>3</i>	

5	Xpath over XML Schema	4	Awesome APIs.
6	Sparta — Lean XML parsers, DOM, XPath	4	
7	Logr00 — An OpenOffice Grammar checker	2	
8	How it works bench	2	
9	Literal — Broffice.org grammar checker	1	
10	Jenu — The Java URL Link checker	1	completely Irrelevant.

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:

Drag drop

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>Drag and drop installation development system</i>	<i>4</i>	
2	<i>PDF forms designer</i>	<i>3</i>	<i>some APIs are relevant -</i>
3	<i>Spatialization of sound</i>	<i>3</i>	<i>few useful APIs.</i>

4	MM File Utility	1	
5	Java Resource Finder.	3.	Some useful. APIs
6	pollo	3	Drag drop AP's available.
7	Sync Docs	3	" "
8	parahum	3	" "
9	Sanawaye Java Docking	3	" "
10	mp3 dj	3	" "

Experiment One

Participant id:

Participant first, last name: GURUMURTHY ATHISENBAGAM

Block: Magenta

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

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 MIME datasets

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	(iMime Magic) Java Mime Magic Library	3	Determines MIME type of files or streams. Which does help with 50% of task. (i.e.) match MIME over file/stream sent on N/w.
2	X-share	3	Shares files between computer (client-server Architecture). This completes another 50% of task sharing/sending/viewing.
3	MIME TYPE Detection Utility	3	Code for MIME Type detection is reusable.
4	Mime-Dir and vCard Java API	2	Deals mainly with vCard on phones & calendars.

5	JServer	2	not ^{much} reusable/relevant code. one API to check MIME type is used.
6	Checkpoint commander	3	API to find MIME types is used.
7	Jammpal Mp3 library	2	part of code used to determine MIME of MP3 & BMP files can be reused.
8	Rummage/ slide (Tentative)	1	completely irrelevant
9	Rendezvous	3	sharing files APIs are reusable.
10	WABA for Dos	3	Two APIs for detecting + encoding MIME is available and reusable.

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 VECTOR TRANSFORMATIONS AND 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	The Jazilla project	2	only one API for 'Affine transformation' is used a lot but project is just renderer for XUL on Firefox. Didn't find other APIs.
2	Atomic Forums Wrapper	2	no relevant code for reuse in source code.
3	Java Cardio pulmonary Simulations	4	Lots of reusable APIs there were example files for lung respiration which had API for Affine transformation and rendering.
4	Jump Pilot project	4	It's a GIS software for Unified mapping platform. Uses code for affine transform of maps & spatial analysis. Lots of reusable code.

5	XMage	4	lots of API for rendering 3D objects (rotation, scaling etc.)
6	GeoServer	2	API for 2D map designs using shape & KML files. except for rendering without origin (ie) affine transformation not much reusable.
7	Vector Visual 3D (W3D)	3	APIs used to program point in 3D space and transformations are reusable.
8	SF3JSwing : 2D fighting game	1	The folders are empty no source code in SourceForge.net. Game.exe also didn't work.
9	ANSI	3	API for affine transformation of image available for reuse.
10	Vector Visuals.	4	Has API for Affine Transform, rotation, scaling etc.. lots of reusable APIs.

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:

MIDI Recording Software

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	Audio development system	4	lots of APIs for sound record / playback
2	Tritonus	4	APIs for sound recording.
3	S-Bird	3	Specific to birds but APIs for recording & playback are reusable.
4	Rasmus DSP	3	API for MIDI recording / playback but not usable applications.

5	Rainbow, a simulator of processes	1	no sound / MIDI APIs
6	Tux guitar	3	APIs used for generating & playing guitar sounds (MIDI). is reusable.
7	Temperature/ Spectrum acquisition Control	1	completely irrelevant
8	JVAPtools Library	4	
9	open-SIMS	4	are are call to play a midi sound is used.
10	Midi Quick Fix	4	Very relevant Audio / MIDI editing, playing & recording APIs used.

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:

Big decimal 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	<i>Decimal Floating point library</i>	<i>4</i>	
2			
3			
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