

Experiment Two

Participant id:

Participant first, last name: SHAH, NIMIT

Block: Green

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

- * Great tool to find API's through project. Also giving the line numbers can help the programmer where to look.
- * ~~One~~ Apart from the API used, if a hyperlink is provided which can direct the programmer to its meanings, use.
eg. API = javax.security.auth.login ~~task~~
hyperlink = java.sun.com/j2se /javax/security/auth/login/summary.html

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 tree modify documents

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	Jivan web HTML presentation Technology	4	It contains the necessary API to parse HTML/XML data and create the tree and also to change the DOM tree
2	The Jazilla Project	3	Though the Jazilla project aims to create Mozilla rendering engines for XUL & HTML, it contains the necessary API's for parsing HTML and creating DOM tree
3	ICE Protocol Reference Java Code	3	Contains useful API's like DOMParser and HTMLDOMImplementation which can be used for the task requirement
4	CyberNeko HTML Parser	3	Contains most of the API like HTML parser and removing HTML elements but no mention of creating DOM Tree

5	JAVA HTML Parser	2	Though it contains some API's to process/parse HTML documents there is no way a user can modify HTML docs using DOM tree
6	JXML Editor	3 4	Contains not API to parse XML documents, get their tree view and modify them.
7	DiskDom	2	Contains few relevant API and most of the functionalities are irrelevant to the Task requirement.
8	Shani- XML- parser	2	
9	BeanLDom	2	Not that many relevant API's except the Tree parser
10	Annotatio	2	Contains relevant API calls for Par Parsing

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:

Property ~~an~~ change bound Indexed JavaBeans

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	JetKey	2	Contains some useful API which can trigger events when a property of a java bean is changed
2	epoline Phoenix	2	
3	JXML Editor	2	
4	JBaranas	2	Contains some useful APIs like property setter which can be used to analyze a Java Bean Object
5	Malasco	1	Not relevant that relevant

6	Recorder.	2	Irrelevant , no API's contains some API's like PeanShellView that can be used to track the property change
7	HRDAG Analyzer	2	
8	XoM	2	Contains some API's like ToggleActionPropertyChangeListener which is relevant
9	Checkpoint Commander	2	
10	IDEM	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:

text pattern matching find ~~no~~ sequence replacing

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	AFET	3	contains relevant API's for matching a pattern No replacing
2	Freepad.	3	contains relevant API's to saving your notes and later searching through those notes for using seq subsequence.
3	Fs grep.	3	contains relevant API's for searching a p subsequence but not replacing
4	Malasco	3	Relevant API's for me text searching

2

5	Tail Blazes	3	No API's for replacing but a GUI for pattern matching, highlighting etc.
6	Ai kernel	2	
7	Vaba for DOS	1	
8	Generic Model Organism System DB	2	Contains relevant API's to find subsequence
9	J	4	Contains the necessary API's to find/replace/ undo text.
10	Quick Sequence Diagram Editor	2	contains some API for finding subsequence from text and hence creating UML diagrams

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:

handle security permission, create retrieve key.

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 3D Desktop environment	2	
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9			
10			

Experiment Three

Participant id:

Participant first, last name: Himit, SHAH

Block: **Green**

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

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:

Visual presentation text font 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	Visual Waba for DOS	2	Contains very few relevant API's
2	The Jazilla project	2	contains some relevant API's
3	DrawSWF	3	contains a relevant API's
4	Fontviewer	3	contains highly relevant API's but no description of foreign font

5	Opicon font viewer	3	Contains relevant API's • which show how "sample text" looks in different fonts/ colors/ properties
6	McBilliards	2	few relevant API's
7	Hippopotam Java Presentation Layer	2	
8	TekMath	2	Contains 1 API java.awt. font.glyphMetrics which can be used for various tasks
9	Yadamekr	2	only allows numbers to be shown in different fonts & styles
10	Retypas	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:

virtual machine data transfer clipboard.

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	contains only few API's which can be used for clipboard functionality
2	C# Java VM	1	
3	JClipShare	3	contains a high no. of API's which can be used to perform this task
4	2Plet	2	

5	Javum	2	
6	Oddjob	1	
7	Leaseme JVM	1	
8	Mips virtual machine	1	
9	JGloss	1	
10	Rummage/ slide	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:

Parse java abstract syntax tree modify traverse

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	Classgen	3	contains relevant API's for java parser and abstract syntax tree class creator
2	Maya in Java (no Java)	3	
3	Java trait language	3	contains relevant API's for Java parsing
4	Strukt	2	

5	RODIN	2	gets gives go some relevant API's on Java parsing
6	HiceXML	1	
7	VTD-XML	1	
8	Java Checker	3	it checks does static analysis for java files hence it gives us go relevant API's for java parsing
9	TFN-petrinet stimulation	2	
10	Micro parser	2	

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 data tables 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	JAVA SQL admin	3	contains rich API's that almost gives ^{treats} the BACKEND as front end through a GUI
2	orex	3	contains useful API's for displaying information as tables.
3	Jasmine IDE	2	
4	DB2XML structure generator with XSL	3	contains useful API's

5	toni	2	
6	Feed it	3	contains useful API's
7	JGUI GEN	4	Require API's can be easily used to perform this task
8	Database populator	2	Some API's can be useful to perform the task
9	Table Diff	3	
10	tinysql	2	only command line and no 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 XML

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 documents from XPath and its data	3	Contains relevant APIs and matches the requirements with the task
2	Pyco Path	3	
3	JBind.	2	
4	XML gen	3	

5	PDPL 4J	2	Contains very few useful API's
6	Nuin BDI Agent Engine	2	contains useful API's for for parsing XPath queries
7	Jivan Web HTML	2	
8	Navicore Java Libraries	2	
9	Phoenix Information Extraction	3	Contains some some useful API's like XPathExpress java.xml.xpath.
10	Metator Template Language	2	

Experiment One

Participant id:

Participant first, last name: NIMIT, SHAH

Block: Green

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

Though Sourceforge presents a good platform to allow the users to query projects but it ~~at~~ displays projects which donot have files and hence sometimes can be irrelevant to the users.

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 blog MIME genom retrieve

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	Just Journal The Five Filters	1	Allows user only to retrieve existing news rather than create blog entries. No files available for downloading
2	Just Journal	3	Lets the user to create and to share MIME data encoded data
3	Almayer Community Manager	3	Lets the user create and share MIME ^{encoded} data and possesses the API calls for not searching keys
4	GENOM (generator for Object Models)	1	No files to check for API and not relevant to the requirements

5	MIME Type Detection Utility	2	Does not allow users to create MIME encoded data but however allows the users to sniff MIME data among other JAVA programs
6	Mime- Dis and VCARD JAVAPI	1	Not related to the relevant task requirements
7	SelaJ- blogges	2	Allows users to create and share data but no mention of MIME encoded and no files to check for the API's
8	JAVA MIME Magic Library	1	Just helps in determining MIME type of files or streams
9	mobile blog share	1	No files to check for API's that match the task requirements
10	Jtile	2	Only data detection

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 linear transformation vector spaces 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	Irrelevant compared to the task requirement
2	WSML2 Reasoner	1	Irrelevant compared to the task req requirements
3	Jaligner	1 2	some API calls relevant to not but not very useful.
4	Ky ky ky	1	Not not very relevant and no files available

5	JVC Clifford	2	Contains some useful API's
6	ATC VM model	2	Very few relevant snippets. API code that would match the task requirement
7	Semantic web spaces	1	
8	A game demo	3	possesses relevant API calls for affine transformation
9	Virtual Spaces 2008	2	
10	SONIVIS Tool	2	

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:

voice system talk record communicate play save 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	Java Sound Player Recorder	3	though contains relevant API calls to record & save MIDI files, no calls for voice chat
2	Mooch.	3	contains relevant API calls to talk and communicate
3	Sound Helix	1	to Only description exists
4	JRhearsal	2	only includes player but no way to record or save files

5	MIDI Agent System	1	Only description exists
6	MIDI Keyboard coach	2	is Not very relevant but but does contain information to play API calls
7	JMIDI tools	2	only Only helps to play use the computer as a midi keyboard
8	Bluk	1	
9	Psum Trainer	2	trains users how to play contains relevant API calls to play MIDI files
10	talk (Java talk)	3	Contains relevant API calls to communicate with other users

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:

represent 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	BigNumbers	3	contains the most API calls
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