

Experiment Two

Participant id:

Participant first, last name: VENKAT KOGANTI

Block: Yellow

Please direct your browser to <http://sourceforge.net/>

Login name: xemplar

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number of Downloads for each Application
in the search here is a great help is
picking a popular Application.

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:

HTML document parsing and modification using 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	Jivan web HTML technology	4	has the Dom accessing API & Gives a Dom tree of a HTML page. also enables dynamic modification of page
2	Domlet 4j	3	presents Dom to the HTML Documents to Java partially fulfilling the requirement
3	Jolene	2	many API's not related to Dom presentation of HTML Documents.
4	IBDom	3	enables the manipulation of HTML Documents by injecting data but does not support parsing a HTML Doc thereby fulfilling only half of the requirement

5	Beautiful Tag Print	3	Part of the project can be used to dynamically change the HTML project by manipulating the DOM
6	Jtidy	3	The HTML parsing part of Jtidy can be used to write the parsing portion which reads HTML pages.
7	Java HTML API Library	3	Can be used as a basis to code the parts of the program that could not be found in other projects directly
8	Cyberneko HTML parser	3	can help in coding of the HTML parsing part
9	Java HTML parser	3	Same as above, it is relevant to the parser
10	Shani xml parser	2	not as relevant as it checks for validity in an xml and HTML files rather than manipulation.

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:

Java bean property, change, notify, notification, bounded index

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	Dozer	2	There are some API calls that do permit property mapping. This can be utilized to create a notification for a
2	SNMP Trap to CORBA Notify Service	1	involves converting SNMP traps into CORBA events and notifying.
3	Row Bean	3	Property can be mapped into a text file and can be monitored
4	Early A Level portfolio	1	The goal in the project is not relevant as it is designed to notify students of their progress
5			

property change

	Navel Java bean Introspection Tool	3	API calls present for Bean manipulation through property conventions
6	Bean Sheet	3 2	mostly irrelevant
7	Bean thinger Bean generator	2	API calls. usually supporting creation
8	Thaube Bean	1	
9	property magic	1	
10	one mind Common Java Library	1	

Experiment Three

Participant id:

Participant first, last name: Venkat Loganath

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Please direct your browser to http://www.xemplar.org/search/index_adv.jsp

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"Waba for Dos" was an application that was showing up frequently though it was irrelevant most of the time and also it was placed high in the ranking mostly on the top of page

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:

visualization of texts and fonts, glyph painting.

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	Tcustomizer	4	application allows international customization of all the texts and fonts at runtime
2	waba for DOS	2	Some API calls support font modifications but mostly is irrelevant.
3	Preuse Visualization toolkit	3	Although the name suggests that the toolkit is useful for building Information visualization not many API calls exist for this
4	Ganza	2	Some portion of the code can be reused where non english texts are crypt analyzed in the representing the International Fonts.

5	TTFEDIT	3	provides API calls and classes to edit Glyph and preview and edit the font.
6	SVT Graph Visualization	2	most of the API calls present functionality to represent graphical data
7	Sardak look and feel	3	can be partially utilised as the fonts and colors are modified
8	Image restoration and inpainting	<u>1</u>	project is irrelevant as it involves repairing damaged pics
9	Sand box Pix	3	provides functionality to customize the look and feel of a user Interface for your application.
10	Genome Data Visualization Toolkit	2	it can contribute partly in the sense as the same methods used for visualizing bioInformation

can be used for texts and fonts with slight modification.

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:

data transfer between virtual machine and host, GUI Support

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	Teasme Java virtual machine	2	A linux Kernel module a clipboard feature can be probably added using a shared address space or
2	C# Java virtual machine	2	Same as above
3	Sonate	2	The transpiling configuration using ssl can be used in the application
4	Waba for DOS	2	Can be used for transfer of information using sockets between Vm and host.

through pipes between vm and host

5	Sync builder framework	3	The communication mechanism being used for synchronizing the Jvm and the Device can be recycled in the application
6	Jsendfile	2	does not involve virtual machine
7	zplet BlorB Porkopa z-machine in Java	1	not feasible for use in the current application.
8	mouseth vm	1	virtual machine can be used for the specified mouse and forth programming languages only
9	Jcalc	3	cross platform support for this application can be recycled to build a new virtual machine.
10	Jgift P2P client	2	Application is a P2P client that runs on a virtual machine

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:

parsing, modify ABSTRACT syntax tree, Ast, 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	maya in Java	3	irrelevant as it does not have API calls present to retrieve tree but not allowing modification of the Ast
2	code soundy	1	Irrelevant to the current goal.
3	velogen	2	does not provide any functionality to parse a tree in detail and modify the tree.
4	Javacast	3	though useful in some way it works in the other way round where a Dom is written first

and then Java source code is generated

5	Jsel.	4	looks like a best match from the description given as it allows a user to navigate compilation units
6	Tree DL	4	
7	Tree draw	3	
8	Subtitle editor	2	
9	Jeffpalm - Java	2	
10	classgen	3	

Experiment One

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

~~Prot~~ helpful in retrieving protects with functionality
and API's required by the programmer.

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:

blogs, Genome sequences, MIME Encoding, large data sets
Genome visualization.

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	Geneva Genome Browser	3	description says.. Genome browser and data visualization tool wasn't able to see source code, nothing under all files
2	Hisee	3	graphical interface is present for viewing high dimensional data as in genome sequences
3	txtkit	3	can be useful for exploring blogs as it is a textual analysis tool.
4	Analyze and visualization of lastfm.de	2	Screenshots show data connectivity among webpages

5	M.S.A	3	Analysis for social networking relevant API calls for text or data analysis-
6	GEPAT	3	Genome data visualization
7	Biolap	3	OLAP for Biological data code snippets show visual representation of Biological data
8	Timinda.	2	Parsing and sequencing API's present but inconclusive.
9	Syteny miner	3	Chainer class that is doing some genome analysis
10	Adamant	3	maps designs and data onto microarrays

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 transformations, translations

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	Jazilla project	3	has Affine transformation API's from the geom package
2	Java Cardio pulmonary	4	has both Affine transformation API's and Scaling API's
3	Atomic Forensics wrapper	2	Although API's are present for Affine transformation functionality is different from the required one.
4	Geo Server	4	has Affine and getTranslate ^{Translate} API's and acts as a layer on top of existing data

5	open sua viewer	3	Allows efficient and flexible visualization through transformation and set to scale and set to translate. APIs
6	sf3 Tswing; 2D fighting game	1	Functionality not relevant
7	Rich Doc Framework	3	has linear transformation functionality and Image transformer Java files
8	ANTI	3	has Image transformer files that use Affine transformation and also linear translation
9	ximage	4.	has specific vector canvas files that ask for translation co-ordinates and scaling.
10	keno	3	3d modeling tool that can also be used for transformation.

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 audio, play midi records, sound and voice system*

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	1	acts as a sound processor rather than a communicating device. as required.
2	ADs	2	Supports only recording of Audio and midi recording but no connection available
3	Java Sound resources	4	has maximum number of API calls relevant to the functionality required. and Short message functions
4	Tritonus	4	Same as above but an independent implementation has Audio system files that allow Audio file reading.

5	Tux Guitar	1	doesn't come near to the required functionality of the project.
6	Code Sounding	4	Source code is Interpreted and relayed as a sound no feature of a audio system featuring talking or recording
7	Rpitch	1	no conversational features or API's supporting found.
8	mid: quick fix	4	midi file editor
9	Free TTS	2	Supports only listening and open data lines to Prerecorded sound files
10	The modular music writer	2	functions more better for editing files (audio)

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 number manipulation and representation

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	Retro translator	4	BigDecimal API's present that allow manipulation and floating point conversion.
2	e calculator	4	Facilities for adding, dividing nth root and logical Not presented as Java files.
3	waba for Dos	2	limited features for manipulations of BigDecimal.
4	The Aegis VM project	2	project goal and majority of the functionality is for a different purpose.

5	Toolbox for Java/JT open	2	BigDecimal number manipulation only a part of the projects functionality.
6	JExigO -Java precision classes	2	number of API calls present are very limited. and it is hard to determine actual functionality.
7	SACIC	4	capable of handling and evaluating mathematical expressions including BigDecimal numbers
8	meta cc	3	has API calls to convert a BigDecimal to plain string and also strip trailing zeros
9	ER/BOX	2	project functionality and functioning partly make use of API's.
10	Shan's XML parser	4	