

Experiment Two

Participant first, last name: ASHOK RAJ VAGHARIA

Block: Green

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No description given

But programmer can code by the structure of calls

they require!

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 use the following application: **jlub**

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	Linux Kio Universal device driver.	3	Though relevant not all the API calls listed have descriptions.
2	Analogy 4.5	2	Does not provide all the features in need for. It does not say anything about power status or signalling. More code to be added to make our desired project.
3	ComicaFetcher	1	API calls doesnot show anything in common. Only has some basic time calculations functions that can be reused
4	TrunkEggs.	1	Though provides a powerfull frontend unix tool, Application provide helpful only for displaying printer statistics.

5	mail 2m - mail 2 many	1	Does not have anything in common. This application is for sending mails in mass numbers.
6	Block Party	2.	Some API calls are not relevant and these can be re-used with little modifications.
7	Scalable Java Db client	2.	Few API calls can be re-used though as a whole the application retrieved is irrelevant.
8	Strange Brew Java project.	2.3	Few API helps in the visualization part of the system. Structure is relevant. With little modification required system can be quite easily achieved.
9	JMapViewer	3.	Provide the required front end interface and most related of the visualization function APIs.
10	Petri	2.	Very few common API calls and in required structure.

Experiment Two

Participant first, last name: Yu Lin

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We can only see the names of folders in
the contract mode without knowing what is inside.
May be adding some explanation is better

Task

Implement a library that allows representing and manipulating glyphs as 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 use the following application: **jazilla**

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	3	It has some character processing functions.
2	Atomic Forums wrapper	3	It filters the content from the Atomic: Maximum Power Computing Forums. It must have functions to process texts.
3	CyberNeko HTML Parser	3	A simple HTML scanner and tag balancer that enables application programmers to parse HTML documents
4	ICE Protocol Reference Java Code	3	core protocol for solving Content Syndication over the web

5	Lux XUL	3	a method for easily creating GUI applications.
6	Waba for Pos	2	a version of Waba for DOS that have a limited TCP socket capabilities.
7	DOMSafe XML	2	an XML database platform based on Monet DB
8	Open SVG Viewer	3	allow efficient and flexible visualization of SVG documents in Java-enabled platforms.
9	Xoplon XML/XSL Framework	3	Features include generating of HTML pages, dispatching of HTTP requests and validation of user input. character processing is necessary.
10	DrawSWF	3	redraws everything you have drawn with the mouse in the editor

Experiment Two

Participant first, last name: James Rhein

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This engine was better because it seemed to bring up more related applications. However it didn't bring up anything dealing with SWFS besides the first result.

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 use the following application: **drawswf**

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 SWF	3	Allows you to create SWF in Java apps, similar to drawswf
2	image library for Java	2	This is for creating BMP's NOT SWF's, however it does have to do with creating images so I give it a 2
3	Sonogram Visible speech	1	analyses speech and sound signals, has nothing to do with swf's or images
4	inMaJellan	2	it allows you to see jpg, and image files in a java base file manager, irrelevant but at least it has to do with images

5	Yops	3	allows you to create photoshop like tools, so if you might be able to create an application like draw swf.
6	JTRIS	1	a Tetris based game. NOT FLASH related
7	Sardak look and feel	1	Does not do anything related to draw swf
8	Jlibeps	1	creates EPS Files, not related to draw swf.
9	JDrawing	3	This application is for drawing so I believe it is somewhat related to draw swf.
10	Jar1	3	This is somewhat related because it helps you created animations without programming which is similar to draw swf

Experiment Two

Participant first, last name:

Sam Cole

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Again, many results have specific features we're looking for but fall into the wrong general category of applications. MVDa6we seems a lot better.

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 use the following application: **jasmineIDE**

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	Pronema Application Server	2	This is for application development, not not source file parsing. Probably returned because of the word IDE.
2	Plugins for the text text editor	2	Exactly what it says. Maybe one of the plugins creates parse trees? Doubt it, though.
3	jetHeP jetHeP	1	This is a text editor, Doesn't parse source code or even compile it.
4	JSoccerLab	1	This is an IDE for a soccer simulator. Probably returned just because of the word IDE.

5	Bufonidae	1	This is a database query tool, not a source file parser. Relevant only in that it is implemented in Java.
6	FrogDB	1	" "
7	Treebeard	2	Parses XML and XSLT files, but we need Java files. Also probably doesn't provide any GUI for traversing and modifying parse trees.
8	Motosoto CoPS	1	This appears to be a multi-platform newsgroup app.
9	Hawron	2	Another XML IDE. Again, we need Java. Also, no mention of parsing.
10	Tipe	2	Finally, a Java IDE. No mention of creating creating and browsing parse trees, though.

Experiment Two

Participant first, last name: LAKSHMI KALICOUNDER

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All the application had description about the API calls but there was no search option available to look for a particular API call. Due to the lack of search option I found it difficult to find the application that use Java Bean. All the 10 applications seemed same except for the description that helped differentiating among them.

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 use the following application: **opensymphony**

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	Jb Gen	3	gave the details about the available API but did not give search option to look for the desired API. this used Java
2	Struts Workflow extension	3	NO search option NO Java beans either bound but no bound index property
3	Struts Workflow Transforming XML to XSL	3	no search option has Java beans but no bounded index property.
4	Servlets and Filter library	3	no search option no Java beans

5	JPatternUtils	3	no search option no Java beans
6	Big Brother	3	no search option no Java beans
7	OpenAMF - Java Flash Remoting	3	no search option has Java beans along with bounded index property
8	Java web parts	3	has Java beans with index property but no bounded index
9	Open Source flex Apps	3	has Java beans with index property
10	Jestr - a Java executable stringifier	3	was able to find all api calls along with the description of them. But did not provide with search option has Java beans with index property.

Experiment Three

Participant first, last name: Nick Shaskevich

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I didn't see any difference between this and Java clan.net. The initial search results were pretty good but towards the end the projects became too different.

Task

Implement a library that allows transforming colors into specific color space to/from RGB and to/from a well-defined CIEXYZ color space. For purposes of the classes methods for this library, colors are represented as arrays of color components represented as floats in a normalized range defined by each color space. For many color spaces (e.g. sRGB), this range is 0.0 to 1.0. The purpose of the library is to transform to/from the well-defined CIEXYZ color space and support conversions between any two color spaces at a reasonably high degree of accuracy.

Results

Please use the following application: **color-studio**

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	JEdit Plus	3	As an editor program there are probably ways to edit colors which is what the Task is. Also lots of shared API calls
2	JCDsee	3	The program is a clone of ACDsee which has an image editor in it so JCDsee should have relevant capabilities.
3	DarkMaps	3	I looked at the source code and saw fn calls like getBrightness(), getScaledColors(), etc. All sound useful. And each fn is short and easy to read
4	jDupstide Show	2	The objective is pretty different and the project size is larger than other projects.

5	AFCLO Image Wizard	X 2	Has useful functions to get images but I need to do transforms from one color space to another. This might not help much.
6	Handwritten # Recognition	2	I downloaded it and couldn't find the source code in the folders. At any rate the app doesn't seem similar enough to be useful anyway.
7	Picture Book	2	Big Project that doesn't sound relevant enough. It didn't say anything about image editing which would help w/ color transforms, only image
8	About Java GUI Testing Framework	X 1	The two projects have different objectives, the API API calls they share look like pretty common API calls, and the project is
9	Smooth Metal look and Feel	1	It looks like this code just does text editing and not color editing
10	IDE for WAP development	1	Too dissimilar, I don't see the relation

viewing

big.

Experiment Two

Participant first, last name: Greg Jarzab

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This search engine is better than MUDABlue because of the extra information provided with the results.

This ~~web~~ would make it ^{easier} easy to look at a large project and find useful sections. However it would be nice if within the results it was possible to see the actual code which made calls to function X or used library X.

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 use the following application: **confab**

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	University Schedule Engine	4	Code uses java.awt.geom: AffineTransform. This might be easy to extract from and modify.
2	Bug Report Appender	1	This project mainly deals with logging, not not
3	Bar Control	1	No use full code
4	Web Harvest	4	Uses java.awt.geom this will most likely be use full

5	The prelude visualization toolkit.	4.	Makes use of java.awt.geom: AffineTransform.
6	JMSV	1	Chat client, there will most likely not be any useful code in this project.
7	FDD Tools	4	java.awt.geom: Affine Transform There might be some useful code present.
8	Java Micro Web	1	Used to create HTML pages, unlikely to contain related code.
9	Xom - XML based Java GUI environment	1	There doesn't appear to be any useful code present.
10	Expressive Application GUI Generator	4	Uses java.awt.geom: Affine Transform.

Experiment Two

Participant first, last name:

Mustafa Shameem

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I think this search engine did a good job producing results, as most of the results were highly relevant. The main reason may have been if the app had x50% then it was relevant most of the time.

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 use the following application: **certForge**

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 Basic C.A. Tools	4 (highly relevant)	This set project uses SSL and X509 for authentication, so the task at hand can be implemented. The APIs for SSL & X509 are present.
2	The Open Validation Authority	4 (highly relevant)	This project uses SSL & X509 certificates for authentication which can be used to accomplish task.
3	TSAClient LIB	3 (mostly relevant)	The project uses SSL for certification, but does not use X509 which keeps this result from perfect score.
4	Enhydra Oyster	4 (highly relevant)	The project uses SSL + X509 for authentication, and could potentially be expanded to receive no more inbound traffic to the application.

5	JOSPki Suite Tools for PKI	1 2 (mostly irrelevant)	The code uses SSL & X509 but not for encryption but rather for converting certificates which is not related to task.
6	JCE tanglib for JSP	4 (highly relevant)	This is very relevant as it allows users to build applications that use SSL & X509.
7	Keepass for J2ME	1 (compl irrelevant)	This app does not use SSL or X509, and does password management.
8	JSD SI	3 (mostly relevant)	This app uses SSL & X509 but this application also uses this to implement a certificate generator which is not relevant.
9	CSR Tool	2 (mostly irrelevant)	This app is used to generate security keys which is not the task at hand.
10	Hard Token Management Framework	1 (compl irrelevant)	This app is used to manage USB disks which is completely irrelevant.

Experiment One

Participant first, last name: LEONEL PEREZ

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The engine does an overall good job at selecting similar functionality applications based on project description.

There is no direct comparison of application code usage which might be helpful in determining relevance.

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 use the application: **subsonic**

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	Open/Free Server for Kiss DP-500	4	Highly related to subsonic functionality for media streaming over ethernet
2	JOHN15 Jukebox	3	Database indexing and remote control for music collections.
3	Java Internet Jukebox	3	Browsing of remote music libraries.
4	SBMP ³	3	Local and remote streaming playback. web browser access.

5	Xtreme Media Player	1	Only described as a cross-platform media player.
6	oMp3Lib	3	Intelligent playlists and search enabled.
7	Firefly Client	3	Server connection to Firefly Media Server.
8	oLibPod	3	Ipod synchronization.
9	DjBrain	2	Track mixing not necessarily related to Subsonic.
10	oJukebox	2	Only describes playback of MP3/Audio files on the server.

Experiment One

Participant first, last name: Mustafa
Shameem

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I think this is a helpful tool in finding the code one is looking for, but it can be very hit or miss. The hits were very relevant (4's) and the misses were completely irrelevant (1 or 2). 3 out of 10 were relevant to the task at hand, and the others were 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 use the following application: **vassalengine**

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	Dragon Chess	2 (mostly irrelevant)	The program does not implement any sort of drag & drop. This does not meet the original criteria/task, but this does have some handlers that process user clicks on the GUI, and doesn't allow more than one action at a time.
2	Java Online Gaming Real Time Engine	4 (highly relevant)	This program has prebuilt code that allocates the drag & drop functionality to be implemented, and there is a drag & drop notification when the drag is completed by the user. This can be seen by examining the sample games built using the engine.
3	Generic Empire for the masses	1 (compl irrelevant)	This program is not at all relevant because no actual drag & drop is implemented. There is the ability to "paint" pieces on the game board which is called drag & drop, but the pieces cannot be dragged or moved anywhere else.

4	Jmorphous	2 (mostly irrelevant)	This application has no drag or drop, but has a GUI with click enabled so this should be somewhat relevant, but not very helpful to test.
5	soduku mobile edition	1 (compl irrelevant)	This is not all relevant because no drag and drop is implemented so this is not related to task, this may have showed up because it is a game.
6	International Remote scrabble	4 (compl highly relevant)	This is a game of scrabble, drag and drop drag and drop is used to allow both users to play, and only one piece may be dragged at a time. Also the pieces need to be dragged to exactly a particular spot.
7	just Checkers	4 (highly relevant)	Drag & Drop with all the requirements in the task are implemented and can allow only one piece to be dragged & dropped at a time.
8	juzzle	1 (compl irrelevant)	No drag or drop implemented plus there is no clicks implemented with the GUI making it useless for our purposes.
9	Jin Client for chess servers	2 (mostly irrelevant)	No drag or drop implemented just clicks on the GUI which is somewhat related. The fact it has a GUI makes it somewhat relevant.
10	iSnake- Intelligent Multiplayer Snake	2 (compl mostly irrelevant)	No drag or drop implemented so task is never accomplished, but GUI is there so that would partially help with drag or drop.

Experiment One

Participant first, last name: Viktor, Potok

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Overall, a few potentially highly relevant results were provided. There were a bunch of complete misses as well but that may have been due to the overall large size of the source application (lots of code not necessarily relevant to the particular task mentioned in the problem description). It would be nice to see ~~app~~ some of the source code without having to download the code from source - forge.

Task

Implement a library that allows transforming colors into specific color space to/from RGB and to/from a well-defined CIE XYZ color space. For purposes of the classes methods for this library, colors are represented as arrays of color components represented as floats in a normalized range defined by each color space. For many color spaces (e.g. sRGB), this range is 0.0 to 1.0. The purpose of the library is to transform to/from the well-defined CIE XYZ color space and support conversions between any two color spaces at a reasonably high degree of accuracy.

Results

Please use the following application: **waba-for-dos**

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	LJOS JAVA and data-base integration	1	Completely irrelevant, does not revolve around color spaces at all. This is just a bytecode extension to the Linux Kernel.
2	WabaJump	3	Although related to waba-for-dos, the API itself does not handle color transformations it simply allows for already written programs to be converted to Jump.
3	SuperWaba	4	Highly relevant, although it is not a library but a virtual machine it still looks very promising because it specifically mentions color conversions and TCP sockets in the documentation.
4	Teaseme Java Virtual Machine	3	Another virtual machine but seems to be completely irrelevant less relevant simply because it is a decade old. A higher chance of being outdated.

5	Simloc	4 1	its technology of finding similar blocks of code can be put to use in reverse engineering software. Not very useful in terms of color transformations.
6	Aeigis VM Project	4 1	yet another Java virtual machine but this one deals more so with executing untrusted extensions versus dealing with color spaces.
7	Fernando's Corner @ SF	2	various math and physics related APIs that could potentially be used in a similar fashion to waba.
8	FLAVOR	4	Can be used for dealing with general multimedia bitstreams. It even generates java code.
9	Jsh	1	Completely unrelated, this is just a java app. launcher shell and nothing more.
10	YOPS	4	Framework designed from ground up to specifically handle media manipulation. Allows for creation of photoshop-like tools, this could potentially handle color space transformations.

Experiment One

Participant first, last name: Yu Liu

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Tritonus is an independent implementation
of the Java Sound API.

Many related Java applications are output.

I think the search engine is good

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 the following application: **Tritonus**

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	JMoocher	3	provide Autosamples by BitRate
2	Mumbo Jumbo	3	This is to play sound files in the webpage
3	Java Sound Resources	4	tritonus is an independent, clean-room implementation of Java Sound API
4	JOP Filter	3	This is a DSP filter framework instead of a synthesizer that supports generating sounds.

5	Isisdial Java	3	It generates standard telephone tones.
6	Kuttt Pech	3	It is a JAVA-based MPEG-player instead of synthesizer that generates sounds.
7	Bombberman JA	3	Sound-music using Tritonus and JavaZo
8	PartyJuke box	3	The main purpose is to provide a Jukebox for parties like a classic jukebox.
9	FazeLo	2	It is a Java application to rename mp3 files.
10	Audio Development System	3	It is a multi track audio/midi recording/playback program written in Java

Experiment One

Participant first, last name: ANUSHA VANNELLA

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I found most applications, ^{resulted from querying} relevant to the application given as the search keyword. The project description of each project gives an overview of each project which helps the user to compare the applications.

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 use the following application: **redpos**

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	JBManagIT	4	redpos is based on JBoss Microkernel so JBManagIT is also rich graphical application with uses remote management and monitoring of JBoss.
2	NettyMaster	3	This application uses JavaSWT to know the foreign addresses of which our system is accessing.
3	Gnu Accounting	1	This application utilizes MySQL which is completely irrelevant to the redpos application.
4	Deinony chus	3	This application is also GUI built with SWT and connects to different sites dynamically sites are hotmail access, IMAP access etc.

5	JCryptool - Eclipse based crypto Tool kit	3	This application is based on Java but does not have a GUI like redpos
6	Mouse Feed Eclipse plugin Learn Key board	1	This is completely relevant as ^{unlike} redpos it does not have any GUI.
7	dbmjui	3	As this application also uses Java and manages multiple instances at runtime.
8	jvitm	2	Nothing is common between redpos & jvitm except both uses java.
9	SWT to COM	4	This application connects to COM from SWT like the redpos which connect to different backoffice / ERP systems
10	JSSH Tunnel	3	<ul style="list-style-type: none"> → Based on Java → A GUI application which connects to different SSH connection. → User interface is ^{developed} using Java SWT.

Experiment One

Participant first, last name: ^{James,}
Rhein

Block: **Green**

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I feel like this search engine was pretty off
when determining results given by entering a calculator.
Perhaps if mathematical plug-ins were in the results
it would be better.

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 (unscaledValue $\times 10^{-\text{scale}}$).

Results

Please use the following application: **ecalculator**

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	Sw+Ext	1	I Am not ABle to figure out how changing table widths deals with precision
2	JAVA hex editor	3	I think It could be helpful to use a hex editor program when dealing with Big Deemmar numbers
3	log4j Viewer	1	Use for reading a log file, which is irrelevant to ecalculator
4	eclipse profiler plugin	1	this program creates run configuration profiles on eclipse. Irrelevant to ecalculator

5	Rexx plugin for eclipse	1	offers a way to highlight syntax, not needed for handling Big Decimal
6	Data base tools for eclipse plugin	1	Used for interacting with a database not relevant to ecalculator
7	eclipse Coding Tools	2	perhaps able to use this when dealing w/ Big decimal But does not have anything related to it.
8	mouse feed Eclipse plugin	1	No reason to have a keyboard Shortcut for Big Decimal
9	EJB Ace	1	For Enterprise Java Bean development, not relevant to using Big Decimal
10	Build File Designer	1	Used For Ant configurations, not anything to do with Big Decimal, eCalculator.

Experiment One

Participant first, last name: SWAPNA KOLACHINA

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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 use the following application: **bcel**

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	Byte Code Engineering Library	4	A detailed explanation is provided about byte code engineering library which makes it highly relevant
2	Tasmin Parser	3	More information has to be provided.
3	Dynamic Aspects	3	Since the application is not fully developed. It is abstract. Aspect-oriented programming could be clearly explained.
4	TechTrader Bytecode Toolkit	3	The documentation aspects are very vague and abstract. How are the enhancements made or new classes are created is not given.

5	HUP	2	No new information is provided. The process of how reduction of heap space is done has not been explained.
6	Throwable utility for aspects	2	The process of how any checked exception is re-thrown as an unchecked exception is not given. No new additional info. provided.
7	Oscar Bundle Repository	4	Complete information about the Oscar bundle repository is provided.
8	Crazy Beans	3	How are model files created has not been explained in detail.
9	Java Assembling Language	4	A complete description is provided.
10	Java Prolog Interoperability Engine	1	The language is completely obscure.

Experiment One

Participant first, last name: Greg Jarzab

Block: Green

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In the end of this experiment, please write your comments below this line

While this search engine finds applications which use relevant libraries it does not make it easy to find relevant sections within those projects.

It would be helpful if there was functionality to better analyze the results.

Some of the returned projects have significant amount of code, which I would not want to go through file by file. However, if the results provided additional information it would be more likely ~~to be~~ for me to find useful code.

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 use the following application: **expressive**

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	FormLayout Maker	2	Deals with form layouts, not specifically with Java Beans.
2	Swing4cn	2 1	Not relevant, however there is some code which can be used as an example of displaying text within a gui.
3	WebHarvest	2	There is code utilizing swing, some of which can be used as an example of displaying text within a gui.
4	Cors DB	2	So Simple code which sets up JFrame, this can be reused.

5	Query Form Database Tool	2	There are some swing calls, however there is too much code in order to extract anything useful.
6	J Backup With Zip	1	Some swing code but it would be difficult to pull out anything useful within reasonable amount of time.
7	FDD Tools	2.	Some swing code, this is a smaller project and might be easier to extract some code than the larger ones.
8	Be bop	4.	Simple MVC framework, it appears like it might support working with java beans
9	JIBS	2 2	Seems like there might be useful code Some swing code might be useful.
10			

Experiment One

Participant first, last name: LAKSHMI , KALI GOUNDER

Block: Green

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In the end of this experiment, please write your comments below this line

It would be nice if there was a clear description & guidance about the usage & working of the application.

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 use the following application: **classgen**

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	SCORM-airc- Script-Interpreter	2	I was not able able to see <u>ADNet.org</u> from which some details about the application could be found. I got idea no more than what the name explained.
2	SJPT	3	Had discription but was not able to figure out how to use this.
3	Nice XSL	3	Contents were relevant but I was not able to find the details of about Nice XSL before I can decide on whether to use this or before download.
4	JFlex	4	It had a link that gave all the required details needed by the user.

5	VTDXML: The future of XML processing	4	Very clear & with all required details
6	Jinapoc	2	was not able to find the details and did not know the requirements to install this application. was not able to decide if this application would be helpful.
7	MinioParser - Java XML parser	2	I was not able to find the details about this parser to decide on using it.
8	TFN-Pelinet Simulator	2	It did not provide any discription about the application. The user may find it difficult to decide on what this application does
9	Juam - the Java Virtual Machine	3	things were relevant but was not able to find details about this application
10	x. forge.	4	Things Contents were relevant & there was a link that gave clear discription about x. forge along with sample usage.

Experiment One

Participant first, last name: ASHOK RAJ NAGARAJAN

Block: Green

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In the end of this experiment, please write your comments below this line

I think am not enough experienced to judge on the
relevance based on the structure of the program in
the very limited time provided
I could do the judgement only on description

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 use the following application: **vassalengine**

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	DragonChess	4	Application is more relevant to the prob description. "Board games" well documented about the version.
2	Java Online Gaming Real-Time Engine.	3	Though most of the game applications are board games some applications are irrelevant.
3	Generic Empire for the Masses	1	Irrelevant to the need. Retrieved an application that is not a board or a wargame.

4	J Morpheus	2 3	Board game with a independent application. Not enough documentation!
5	Sudoku Mobile Edition International Remote Scrabble	2	Users are not provided with for description! readers then Only ^{previous} generic knowledge of the game tells you the degree of ^{relevance}
6	Just Checkers.	4	Good descriptions of the versions and a board game that is the object of search is needed.
7	Juzzle	2	Not necessary all the applications as in it are board or card games It is just a collection of games (not specific)
8	Jin client for chess server.	4	Good description and documentation on the version. From user reviews it is a more recommended.
9	Snake - Intelligent multiplayer snake	3	No documentation. Though the code is more relevant and the type of game matched the requirement.
10	International Remote Scrabble.	4	Users are provided with executable clear description of the project. Available in three different languages.

Experiment Three

Participant first, last name: *Mu Shen*

Block: **Magenta**

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In the end of this experiment, please write your comments below this line

Since no package info is provided.

judgement can be done only through description of project -

With no package info provided, it makes users really difficult to know clearly the relevance.

I don't think users will go to source-forge, and download the source-code, and read the possibly provided java-doc (if provided) and determine the relevancy.

Task

Create a ^① lightweight virtual machine that supports ^② data transfers using clipboard. Data transfer feature of this machine can be implemented with the help of sun GUI support.

Results ^③

Please specify the following application: **javum**

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	finapoc	2	May have part of the VM functionality provided. Generally, it's not a VM.
2	SCORM-aicc-script-Interpreter	1	Not a VM.
3	SJPT	1	Not a VM
4	classgen.	1	Not a VM.

5	Micro XSL		Just a parser for XSLT, not a VM.
6	UTD-KML: The Future of XML Processing		Compiler Parser for XML. Not a VM.
7	MicroParser - Java XML Parser		parser for J2ME platform.
8	JFlex		a lexer generator for Java.
9	TFN - PetriNet simulator		No description provided for this project.
10	X-Forge -		Not an XML generator. Not a VM.

Experiment Three

Participant first, last name: *Ismael Delgado*

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In the end of this experiment, please write your comments below this line

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 use the following application: **xFlows**

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	SCoud UDPI	2	Web service plugin for the Eclipse platform
2	el corpito Web services		its also a tool for creating web services just like xflows. Doesn't implement drag and drop
3	wsd14req wsd14req	1	web service

4	UDDI Browser	1	A browser project aims to query and manipulation
5	WSDL2JS	2	Web service. But no other features
6	SoapI Viewer	1	Searches internet for api documentation and displays in html
7	Asla	1	find out the software license that program has.
8	Jag	1	
9	Modama	1	
10	Soap Eclipse	1	

Experiment Three

Participant first, last name: Kerensky Igor Dominique

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In the end of this experiment, please write your comments below this line

- Search engine doesn't do any analysis between the Item searched and the Result
- for every Result of a Search, it redirects the User the result's respective Sourceforge project page.
- Tool not Accurate

Task

Implement a library that allows transforming colors into specific color space to/from RGB and to/from a well-defined CIEXYZ color space. For purposes of the classes methods for this library, colors are represented as arrays of color components represented as floats in a normalized range defined by each color space. For many color spaces (e.g. sRGB), this range is 0.0 to 1.0. The purpose of the library is to transform to/from the well-defined CIEXYZ color space and support conversions between any two color spaces at a reasonably high degree of accuracy.

Results

Please use the following application: **color-studio**

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	NL View	1	- Can't find the relevance between the 2. - Project description is not available on the project's sourceforge page.
2	JCDSee	2	- Image Viewer Software
3	JEdi: + Plus	1	- Java IDE - Not Really Relevant to Color Studio
4	VietOCR	1	- Character Recognition solution

5	JImageView	2	Image Viewing
6	JMapper	1	- Image Generation
7	AWT Multiple File Upload Applet	1	<ul style="list-style-type: none"> - No Relevance to Color Studio - Deals with uploading files.
8	ImageShower for Mac OSX	1	
9	CDox	2	<ul style="list-style-type: none"> - Image Viewer - No relevance
10	AFELO Image Wizard	1	- Manipulating images.

Experiment Three

Participant first, last name:

~~VALLUR A~~ ARUNA VALLUR

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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 use the following application: **yapoolman**

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	C3po: JDBC Datasources / Resource Pools	2	The application augments JDBC drivers with Data Sources and Datasources that implement pooling
2	J Connection Pool	4	Supports dynamic drive class loading and pooling of threads: can be reused for the task.
3	Triple Kona Toolkit	1	The application has no connection with loading classes and pooling of threads.
4	Imdb	2	Cannot be reused to maintain pool of threads; the user is blind to all these details

5	JTools	2	The application contains small Java functionalities which cannot be reused for the task given; but general functionalities that can be used in any program.
6	my-lib	1	
7	SmartPool	4	
8	SPWrapper	4	
9	Java Utility classes	4	
10	PoolIT	4	

Experiment Three

Participant first, last name: Haley O'Leary

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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 use application: **jivan**

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	NFop	2	This program aims to make a printable form of .NET modules. Like jivan, it tries to make a visual representation of code, but doesn't do HTML
2	CyberNeko HTML Parser	3	Both applications parse HTML documents and allow access to the information via different interfaces. CyberNeko doesn't provide a DOM tree, though.
3	voambolana	1	This is an online dictionary to translate foreign languages. It's a far cry from an HTML parser, although it parses natural language.
4	Jazilla Project	1	This is a project to create rendering engines for Mozilla. It doesn't help users visualize HTML, just computers

5	ICE Protocol Reference Java Code	1	This is a program that solves content syndication. It doesn't parse HTML
6	maven sitevalidator plugin	2	This checks XHTML syntax, but doesn't give DOM trees or allow users to edit the HTML code through its interface.
7	Buglet	1	Buglet is a way to submit bugs, and collect data relating to bugs. It doesn't really deal with HTML representation or coding HTML
8	Hamaxagoga Hamaxagoga	2	This tool generates XML files from templates. It doesn't allow editing, however, and it's not necessarily HTML HTML
9	antigrator	3	This is a building/development tool that could be used to write or edit HTML content or view templates
10	Japanized FoP	2	See Nfop (#1)

Experiment Three

Participant first, last name: *Maurizio Ricci*

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In the end of this experiment, please write your comments below this line

Mudablue need to show the API if we are looking for particular tasks as the one in the experiment. ~~The~~ Ranking criteria was mainly based on description of the program or running it when possible.

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 use the following application: **vassalengine**

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	Dragon Chess	1	no Drag & Drop
2	Jawa An AI turning Real-time engine	2	Based on description
3	Generic Empire for the Natives	2	Based on description

4	Josophers	1	No Drag & Drop implement
5	Sudoku mobile version	1	No Drag & Drop
6	International Remote Scrabble	? 1	
7	Just checkers	? 1	
8	Snake	2 1	
9	Jim want for class services	4	Not Relevant to the task
10	Snake- Intelligent Multiplayer Snake	1	No Drag & Drop

Experiment Three

Participant first, last name: RAMJI, KRISHNAN

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In the end of this experiment, please write your comments below this line

Search based on text seems to be less effective than
based on API calls.

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 use the following application: **jfreemon**

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	Live Tracker	3	Similar domain, usage. Many common API calls. While downloading and comparing code.
2	dtobes	2	Common API calls, but domains are different
3	beasync	2	Very few common API calls.
4	da-com (data analyzed-community)	2	Domain and usage are completely different.

5	Minox is not an object repository	2	Somewhat relevant domain & usage.
6	jethro	1	<p>Completely irrelevant.</p> <p>Very few common API calls could be spotted while downloading & comparing code.</p>
7	WARFARE	1	Mostly irrel irrelevant
8	bestw curriculum vitae Management	3	Mostly relevant, many similarities in code could be spotted.
9	brace Contribution Manager	2	Somewhat relevant usage & domain.
10	WDBear Manager	2	Somewhat relevant usage & domain.

Experiment Three

Participant first, last name: Walter Delevid

Block: Magenta

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In the end of this experiment, please write your comments below this line

Mudablue is the worst of the three, I felt nothing returned was especially relevant, and I found myself wanting the common API calls list.

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 use the following application: **ecalculator**

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	SwT Ext	1	description leads me to think this is irrelevant, looking at the code doesn't change that opinion
2	Java Hex Editor	3	Has the functionality to store large data sets,
3	Log4j Viewer	2	I suppose you could use the structured table and modify the lookup to store BigDecimal numbers.
4	Eclipse profiler	1	doesn't seem applicable, colors text, assume it has some type of storage functionality but I can't see why this is a good fit

5	Rexx	(The source for this was unreadable. The description doesn't make me jump at this either.
6	Db tools		
7	Coding tools		
8	Mouse-fee	(
9	Ejbtce		
10	Build file designer		

Experiment Three

Participant first, last name: Abner Cordon

Block: **Magenta**

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In the end of this experiment, please write your comments below this line

This was worst than the other two, API calls come in handy when you have to make a decision.

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 use the following application: **jasmineIDE**

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	Pronetha Application Server	2	Pronetha is a Java IDE just like jasmineIDE, however it does not seem to support AST.
2	Motosoto COPS	1	It's a community program like forums.
3	JSoccerLab	1	It's an IDE, but for a 3D soccer game/simulator.
4	jEdit Syntax Package	1	Text editor.

5	Hawron	3	The reason I give it a 4 is because it provides w/ a free GUI, and is a XML de editor, Not java.
6	Jipe	1	Just an IDE.
7	InnerSpace +xSpace	1	MUD-like system. Creates worlds.
8	Treebeard	3	Once again, it provides a AST, however is for XML and not Java.
9	FrogDB	1	Just a DB manager for many popular DB's
10	Butonidge	1	Just a DB manager for jdbc (TODD)

Experiment Three

Participant first, last name: Ramzi Ayyoub

Block: Magenta

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In the end of this experiment, please write your comments below this line

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 use the following application: **desmoj**

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	Component Based distribution Simulation	# 3	Calypso Metrics
2	jron	2	This program is a <u>pattern matcher</u> not glyph.
3	jRate	1	It's a java compiler it has nothing to do with glyph.
4	QTnew	1	It has nothing to do with glyph, QTnew is a Queueing theory simulator.

5	SCCORI - Agent	/	not much of glyph related stuff.
6	linux EIB Home Server	/	
7	Mates	/	It investigates the behavior of distributed agent based systems over mobile network no relation to glyphs.
8	Content Distr. Simulator	/	
9	Jstock Ticker	/	It takes user input as stock symbols to track, not relevant.
10	Stock Scraper	/	

Experiment Three

Participant first, last name: *Olufemi Adebawale*.

Block: **Magenta**

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

In the end of this experiment, please write your comments below this line

This search engine does not provide the API documentation listing as the other two do. This would make the analysis of results harder.

Task

Implement a library that allows transforming colors into specific color space to/from RGB and to/from a well-defined CIEXYZ color space. For purposes of the classes methods for this library, colors are represented as arrays of color components represented as floats in a normalized range defined by each color space. For many color spaces (e.g. sRGB), this range is 0.0 to 1.0. The purpose of the library is to transform to/from the well-defined CIEXYZ color space and support conversions between any two color spaces at a reasonably high degree of accuracy.

Results

Please use the following application: **waba-for-dos**

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	LJOS	4	Implements arrays. Implements RGB graphics too. Implements double and float types — more efficient!
2	Waba-Jump	4	It even includes HSB to RGB functions. Includes event listeners, and also uses high-bit numbers. Also efficient
3	Teaseme Jvm	1.3.	Implements java. awt. Color. It doesn't look like it supports high bit numbers, so we will have performance issues.
4	simboe	1 No	Time.

5	The Aegis VM Project	3.	This also implements the GUI aspect, but does not deal with high precision numbers
6	Fernando's Corner	3.	Look The math functionalities are very appropriate
7	Flavor SuperWala	3.	Looks like it has functionality for arrays and graphics, but not double/float values.
8	Super Wala Flavor	1 no	Time.
9	jsh	2	It has only a small GUI implementation.
10	YO PS.	4.	The high photo analysis is very applicable

Experiment Two

Participant first, last name:

Block: **Yellow**

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

In the end of this experiment, please write your comments below this line

Most of project applications retrieved are irrelevant, and ~~the search engine does not suggest how the~~
Only one or two out of ten seem a somewhat
relevant. The search engine does not give any info regarding
how these applications are ~~retrieved~~ retrieved or how
these are ranked in order. ~~there are~~

When compared with JavaClen, net, ~~which~~ mudablue
performs quite badly, the application retrieved by
JavaClen were mostly relevant. And the info
about matching APIs gives a better idea regarding
the relevance of applications.

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 use the following application: **genesys-mw**

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	Genalyze	2	A parsing & analyzing application for server log files. May contain APIs relevant for monitoring distributed application.
2	GNU Visual CTI	2	Telephone dialogic system, supporting multi channel. Must implement multi threading or multichannel support, load changes dynamically hence some API's might be relevant
3	SLEDRIDE	1	A data mining application not relevant in context of genesys-mw.
4	NFV-FASTA	3	Can be somewhat relevant as NFV-FASTA uses distributed computational resources for mining large database over WAN and hence would need a no. of API

to deal with different platform of our network, hence Middleware, JVM and dynamic changes are ~~more~~ while important.

5	GAPI	1	Deals with different genetic algorithm nothing to do with JUM
6	Gambol	1.	A drawing system nothing to do with JUM
7	MapleTree	1	A for visualization application not relevant in context of JUM, SOAP etc.
8	Jenli-The Java VRL link checker	2	Must include some form of web service / SOAP. However not relevant in context of JUM.
9	Java Treewiew	<u>1</u>	An application for viewing PCL or CDT format, not related to Middleware or JUM or SOAP
10	DAT Distributed Test Harness	3	Seems quite relevant as it deals with no of architectures in distributed environment. And may contain some APIs for monitoring and control distributed applications

Experiment Two

Participant first, last name: TATHAGATA DASGUPTA

Block: **Yellow**

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In the end of this experiment, please write your comments below this line

Probably the most ~~difficult one~~ to ineffective one.
The match, overall is pretty limited and even
the app rankings seemed not in order
Bad UI

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 use the following application: **recoder**

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	JOJ - Java version of Java	4	• Both have Abstract syntax Tree implemented in them
2	MCU Java Source	2	• Has some similarity, but majority of the code base is focused towards the GUI
3	JoSQL (SQL for Java Objects)	3	• Similarity in parser code structures,
4	Translate ASI for ActionScript	1	Code not found page gives 404 error in sourceforge.

5	Variable highlighter	2	Very little part is relevant majority of the code makes comparison with hard coded values in massive java files - that is hardly reusable
6	Cobertura	1	Not at all relevant. The core of both of the apps are very different
7	Simkin for Java XML	3	Similarity in parsing functionalities Similar module division
9	Dynamic Java Kamaputs	2.	Has a parsing component. GUI part irrelevant. But match in parsing part is not very much
8	Kamaputs Dynamic Java	1	Did not complete download
10	PLDOC	1	Uses antlr for parsing

Experiment Two

Participant first, last name:

Name? Yasser?

Block: **Yellow**

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In the end of this experiment, please write your comments below this line

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 use the following application: **martus**

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	PHPRPC	2	& Both application work on the internet. But PHPRPC does not provide any security permissions
2	Sarea Threshold Signature Package	3.	Both the application makes the use of the key concept for the encryption of data
3	Crypto Server	4	Both the application provides encryption-decryption.
4	hugos	1	It provides no concept of handling security permissions

5	Auto discovery of IT Asset	2	As no security permissions are performed by the the application
6	Atlas Rest	1	No security permissions performed. Martus makes high use of key and encryption etc while this application does not handle such type of operation
7	Java Mime Magic Library	1	Just determines the MIME type of streams
8	Universal Password Manager	3 4	Both of the application use encryption and universal password manager stores the notes in database by master password which is similar as master backup up the data to remote server.
9	AP event driven Framework	1	
10	Mail Archiva	1 1	

Experiment Two

Participant first, last name:

Ali Zeidan

Block: **Yellow**

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In the end of this experiment, please write your comments below this line

This search engine provides better results than codekin mentioned. Overall, higher scores were received because many results did in fact provide roles, as described by the task.

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 use the following application: **bigzip**

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	VFS J FileChecker	1	Relev not relevant to task. API calls are are not shared. App. has little to no support for zip files creation modification
2	Java File Manager	2	allows moving files and manipulating directories, but provide no support for zip files. API calls have many shared sets.
3	J editPlus	2	plugins do split zipfiles and file modifications, provides rich GUI such as "test", but actual app. has no zip file.
4	OPEN. PUB.	1	Windows-based app that allows creation of GUIs. Modifications can be done to files. Tested zip files, but gave error.

5	AFFEL Image Wizard.	3	allows for compression of zip files. API calls are shared, very little differences between tasks and this program. Still not main goal.
6	Unicode Converter.	2	Permits conversion, but no entry or zip files allowed. Removal of files from zip not permitted. API calls shared not only a few.
7	CB Viewer	3	allows zip files to be permitted as certain images for comic viewer. Main goal not to show/modify zip files, but files are similar.
8	Jar Monkey Zip File	3	Difference platform, but goals are exactly the same. Modify and additional features to zip/jar files. Can/Target on Ubuntu 9.0.
9	Subtle editor.	2	- includes rich GUI - goals are <u>not</u> identical. - zip files not permitted. - supports various file types and modifications
10	DynaVo	1	- No rules in common. - Main goal is not tasking . - files can be modified, but no zip zip archive support or file manipulation. Deletion of files \rightarrow yes

Experiment Two

Participant first, last name: Joseph Grasser

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Mudablue found very few applications that were graphical like sql shell. That is the reason why so many of the results were rated poorly. I also think my knowledge of these applications is greater because I was able to look at the source code. Also, because this search engine used the description matching the results were very close to the description for sql shell. But the results were totally inappropriate for our application.

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 the following application: **sqlshell**

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	BasicQuery	3 1	Has dynamically tables with scroll bars that change orientation. No way to modify the tables graphically
2	SQLminus	4	has modifiable tables, is very configurable
3	jStorm	1	Absolutely no table gui used in this project
4	Java Object Relation	2	has code for managing tables of information, but not graphically.

5	OpenCSV	1	No graphical table used in the project,
6	Mayfly	1	Same problem as above.
7	DataSet Library	2	Has no GUI. But there are many tools here that could be used for dealing with a table GUI
8	CsvJdbc	2	This is a read only table view. Prints table out in text widget. Totally inappropriate for our project
9	tiny sql	1	No graphical table, Same as above. But the tools to deal with this are more crude.
10	BuzzSQL	2	No graphical table used in this application. Does have update & insert classes though.

Experiment Two

Participant first, last name: Steven Del Rio

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In the end of this experiment, please write your comments below this line

- Mudablue.net was much better than javaclan.net.
I was able to find 2 or 3 ~~web~~ results that closely matched what I was searching.

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 use the following application: **jsresources**

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	RasmusDSP	2	<ul style="list-style-type: none"> • RasmusDSP is an embeddable Audio/MIDI processor. It contains various filters and generators. • Does not have a GUI. • Does not allow users to talk/record.
2	Audio Development system	4	<ul style="list-style-type: none"> • Is a multi track audio/midi recording/playback program. Does not have a GUI. • Matches what we're searching.
3	Tritonus	1	<ul style="list-style-type: none"> • An independent implementation of the Java Sound API. Does not have a GUI. • No recording?
4	J Moolcher	1	<ul style="list-style-type: none"> • A Java-API to access the huge collection of creative-common licensed samples of the freesound.tua.upf.edu project. • Not sure what the samples include? • No recording?

5	JVAPToolsLibrary	2	<ul style="list-style-type: none"> • Provides a library and examples for rapid vst-audio-plugin development with Java. • Not a sound/voice system but provides a library that uses audio plugins.
6	Mumbo Jumbo	1	<ul style="list-style-type: none"> • A Java applet that will allow you to play sound files in your web pages without requiring your users to download extra plugins. • This is not a sound/voice system system.
7	Jop Filter	1	<ul style="list-style-type: none"> • An implementation of a DSP Filter framework targeted at the Jop. • Part of a course course project at Vienna University of Technology. • Not relevant at all...
8	TunaFish Pitch Correction	1	<ul style="list-style-type: none"> • A java application that attempts to perform pitch correction on a monophonic wave file. • Not relevant.
9	Cesar	3	<ul style="list-style-type: none"> • A program that controls the Fostex DC1100 mixer, using MIDI. • Fostex DC1100 is a mixer that allows for sound recording.
10	Midishare	4	<ul style="list-style-type: none"> • MidiShare is a real-time musical MIDI operating system. • Allows for recording. Not sure if it does conversion • Matches what we are searching.

Experiment Two

Participant first, last name: Mostafa, YASSER

Block: **Yellow**

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Mudablue offers no code comparison like javadoc did, making it a little harder to use. The starting program was at least remotely relevant this time, meaning more accurate results.

I wonder if there is a way to categorize and keyword-search for programs?

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 the following application: **javum**

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	tinapoc	3	allows man low level manipulation of java classes or jar files, Doesn't Useful for building blocks of a VM
2	SCORM- aicc script-(Inter- preter)	1	short program, parses things, not really what we need
3	SJPT.	2	isn't parsing toolkit, has few useful items
4	Classgen	3	creates classes primarily for abstract syntax trees, but nonetheless has many useful sections

5	WiceXSL	Z	some text based functions, (uses scanner, etc) but is not terribly useful
6	VTD-XML The future of XML processing	1 2 2.1	similar to Wice XSL only more text functionality useful for copying to clipboard. Also provides
7	Microparser- Java XML parser	1.9	similar to previous two, only it's experimental. still deals w/ text.
8	JFlex	Z	similar to some above above, only generates tokens. Depending on what we want to do with a VM,
9	TFW- Petrinet sim	1	creates/simulates a petri net. Not relevant
10	X Forge	1	Generates XML code, looks neat but is irrelevant

this
may
be useful

Experiment Two

Participant first, last name: NATRAJ, SUBRAMANIAN

Block: Yellow

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If this were the final list of projects chosen for the power status monitor app, it would be a very broken and incomplete piece of software. Most of the projects chosen are irrelevant to the original task, except for a two or three, which can either be used directly or manipulated by some other project to output power data.

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 use the following application: **jlal**

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	alx Library	1.	Completely irrelevant because it doesn't contribute anything to the task.
2	Linux x10 universal device driver	3.	Mostly relevant. May be manipulated and used to find and report report one of the power status data i.e. external or internal.
3	Petri	2.	Mostly irrelevant, but it seems like it could be used to have the power status monitor start on system boot, after checking if log in credentials are correct.
4	Check Summer	1.	Completely irrelevant. Is meant for calculating limited and accidental modifications to stored data. Does not have anything related to reporting power status data.

5	mail 2m - Mail 2 Many	1.	Completely irrelevant. I don't see how a simple built mail sender could be used in a power status monitor program.
6	Fluid GUI	1.	Completely irrelevant. Again, a GUI for a synthesizer software as a module for a power status monitor? How can this be rel related in any way to a power status monitor?
7	Electric Charge SIM	4.	Highly relevant. Can be used to generate field lines generate graphs based on electrical input and output from some other module / project.
8	PPTP GUI	1.	It Completely irrelevant. This is a GUI for the existing PPTP client in Linux, Free BSD and Net BSD. This contributes nothing to the original task.
9	ADC viewer	4.	Highly relevant. Can be used to do some crazy physics-based math and calculate the p internal power.
10	Db2 XML structure generator with XSL	1.	Completely irrelevant. Unless the power status monitor has to maintain a database of power statistics from the past.

Experiment Two

Participant first, last name: Manpreet Kohli

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No API call comparisons make mudablue a pain to use. ~~Also~~
Very few relevant ~~data~~ results were shown.

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 use the following application: **spectra-chem**

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	MMI-Tethys	1	Facilitates interoperability among environmental systems. Only similarity is loading data into repositories
2	SpOK- Spectrum Organisation Kit	2	Used to load chemical spectral data in Java and organize & visualize it. SPECTra does similar functions
3	PRIDE	4	Very similar. Used to load data about proteins into repositories
4	DOSE	1	Semantic indexing tool and elaboration tool. Has nothing to do with loading chem data into open repositories

5	Oscan3	4	Parses chemistry papers. One of the theoretical facilities also provided by SPECTRA.
6	JCAMP-DX	3	Similar functionality. Used to store spectral data into repositories
7	Perusea knowledge application framework	1	Similar to Spring framework to do stuff in related to chemistry
8	Leeben	1	RDF based query-able catalog. Nothing in common
9	Mental Link	1	converts objects to ontological instances. Only commonality is perhaps conversion of data at from one form to another
10	JOFS (Java ontology for File Storage) File	2	Ontology to store meta data about files. Again, can Conversion of data and storing into a repository are shared.