

Experiment Two

Participant first, last name:

ARUNA VALLUR

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The search engine searches for applications with nearly same functionalities.

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: **qform**

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 Postgres JSqlTool	3	Client side tools for a Postgre SQL Database; can be reused to show data
2	JSqlTool	3 2	reused to show data but not for modification dynamically.
3	VeLa, Developer's tool for Oracle	2	VeLa does not support modifying tables dynamically. It can be done only by executing queries in the editor
4	jDBA	2	

5	Luske Monitoring Tool	1	displays activity levels of MDS, OSS etc. and cannot be reused for applications that can change data in a table dynamically in the front end.
6	SDBC: a swing based database client	4	MS-Access like database that can be used towards the task (scrollbar activity) and tables that can be modified in the front end
7	javastat soft	1	performs statistics; Cannot be reused in an application where the data available has to be changed.
8	Apocket - swing Pocket	1	The data here is encrypted and cannot be used in an application where the data is to be shown plainly in the front end.
9	JDBC Tester	3	The application can be used to connect to & display data from a database (w/ scrollbar activity) but not for dynamic modifications
10	Newist	1	

Experiment Two

Participant first, last name: Haley O'Leary

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There were a lot more irrelevant results on this search than the Combined one, but it's possible that there are just fewer results out there that do the same thing as Psychopath. I am unfamiliar with XPath, too, so that didn't help.

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 use the following application: **psychopath**

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	AndromDA	2	This is a code-generation tool that doesn't use XML, it uses UML. It doesn't evaluate, it builds
2	STP	4	This app is similar in that it is a solver that can test models and find bugs. I found it interesting that it has no calls that PsychoPath doesn't also have
3	DAME	4	Again, this is a generation tool rather than an evaluation one. It also generates Java and C++ classes.
4	Wack Surveyor	4	The similarity to PsychoPath is that this application verifies that measurements are consistent. However, it doesn't seem to provide logic and would be hard to adapt to XML

5	Decorator Utilities	1	I'm not sure why this was returned as a result! It doesn't provide any code checking or compiling capabilities
6	Scenery Manager	4	This seems like a way to integrate models and services. It "tests" templates, but not in the way that Psychopath evaluates its code.
7	Grammar mapping framework	2	+ Allows XML editing and XPath compiling, but not very similar to Psychopath
8	OQuery	4	Provides for query operations on Java objects. Doesn't evaluate.
9	AAA Security Framework for Avalon	1 (maybe 2)	I can't even understand what this program is, but it seems like it adds functionality for Avalon-based apps, such as authentication and auditing.
10	FreeFactor	2	This application provides Java refactoring, which must include code checking, like Psychopath, but mostly it seems to be irrelevant to what we're looking for



Experiment Two

Participant first, last name: Kerensky Igor Dominique

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- This search tool is not very Accurate.
- Only 20% of Results are highly Relevant

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	Tritonus	4	<ul style="list-style-type: none"> - Implementation of the Java Sound Api - both apps use same API
2	JEQ Java Stereo Equalizer	2	<ul style="list-style-type: none"> - Class Library for bandpass filtering - Only Covers one portion of the search
3	Alis Recording Tool	3	<ul style="list-style-type: none"> - Recording tool - Relevant to Applications under Jsresources
4	AL4Java	2	<ul style="list-style-type: none"> - Java Binding for openAL library - relevance due to only a couple of common API calls between with Jsresources

5	Java Speech User Interface Library	2	<ul style="list-style-type: none"> - The library share common API calls with JSresources - partially relevant
6	Java 3D Snowglobe Simulation	1	<ul style="list-style-type: none"> - Deals with Java 3D
7	JOP Filter	3	<ul style="list-style-type: none"> - DSP filter is sound tool relevant to JSresources
8	JPoker™	2	<ul style="list-style-type: none"> - Only a couple of shared API calls.
9	LAOE	4	<ul style="list-style-type: none"> - Audio sample editor
10	The Modular Music Writer	3	<ul style="list-style-type: none"> - JSresources is more relevant to this tool.

Experiment Two

Participant first, last name: Ramzi Ayyoub

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I thought javaclan didn't ^{give} ~~fetch~~ a good results as in experiment 1, it gave me only two good programs, the rest has nothing to do with zip files at all.

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	Java Backup Utility	2	This application doesn't manipulate .zip files neither delete them or add new entries.
2	alt, anonymous message fetcher	2	It manipulates the zip file other than that it irrelevant to bigzip.
3	BeoZip	4	It's 90% identical to BigZip. It has all the functionalities that Bigzip has.
4	TooShare	4	It creates zip files modifying them

5	Java PH	1	I didn't see that this program has anything to do with zip files.
6	GDialog Add-on for X	3	It creates files, modify entries
7	Project X- DVB demux tool	1	this program deals with radio and television broadcast. not much compressing files.
8	SB-MASE	1	the keyword that the engine matched is "decomposition" as of compression. It has nothing to do with zip files
9	Java kinship	1	Again it has nothing to do with zip files.
10	JMSN	2	It does the compression in an indirect way. it's a more advanced msn messenger.

Experiment One

Participant first, last name: MAURIZIO PICCO

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I think that the clancombined did a fair job in finding programs similarities based on the API's, in fact I have ranked 5 out of 10 with 3. Because I looked mainly for API's related to some JVM monitoring. However similarities should not only be based on the similar API's but also similar results that the program may have or in other words its scope.

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	Jethro	2 3	Shares some JVM API, for monitoring but it does not have anything to do with virtual machines where jfreemon does not have elements in common such as the JVM.
2	bearSync	2	Nothing to do with JVMs. Has some graphics related methods that are similar.
3	File Cammer	1	Shares some UI feature and that is about it. It is not a JVM category stuff
4	Very Simple TV Tuner	3	Shares a lot of jfreemon api controlling structure but does not involve VM management.

5	Cognition Perception Lab	3	Allows to do some monitoring of a JVM ^{in APIs} but no managing JVM management allowed.
6	Maieutique	1	Shares some basic apis what J freeman - no JVM -
7	Dialog Layout Layout manager	1	Only Nothing to do with JVM at the user level.
8	Chadwick Abstractors	3	Some JVM monitoring apis are shared but nothing that circumvents the fundamental scope of the program.
9	WMBear Manager	1	Some GUI APIs are shared but nothing about a JVM.
10	Live Tracker	3	Shares some JVM monitoring APIs but no management at the user level.

Experiment One

Participant first, last name: *Ismael Delgado*

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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** - Java framework for Java program analysis - easy to use syntactic and semantic program model containing cross references and updates

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	JoSQL (SQL for Java Objects)	2	JoSQL is a program that lets group objects and perform Querying. But It has nothing to do with backing up your model or update it.
2	JoJ - Java version of Java	1	There is no match. Only uses one api call that is also used in Recoder. That that both programs different.
3	Variable Highlighter	3	This program helps modify source code. Recoder also helps with source code transformation
4	Translate ASI for Action Script	1	This program is a compiler that is made up of Java.

5	PLDOC	2	It's a tool for sql. that helps like SamacDOC. Recorder is also a tool for source analysis.
6	MCU Java Source	1	Translator from Java to C to write code for MCU.
7	Fourth Dimension JDBC Driver	1	This is a driver for a database.
8	Zaval Java Resource Editor	4	This program description says it might be useful to Java program analysis that need to synchronize their software like Recorder does.
9	Xm/sh	1	This is for Linux. that tries to ^{use shell} commands in XML transformation instead of sh.
10	Java DB	2	This is a database in Java supporting SQL-92. Not a tool for programmers.

Experiment Three

Participant first, last name: ~~Nick~~ Nick Shaskevich

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Some programs seemed very useful for my task. But, then others seemed pretty far off the mark. I know the website finds similar projects at least partially by how many API calls are shared. But when I was looking through the results that was only my second criteria. I would first read the project description and guess if this would be useful or not. Then I'd look at the amount of shared

Java packages. I don't know if that method is any good but its how I was doing it.

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: **ximage**

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	Dook: Scripting language for Java	1	Though they seem to share a lot of API calls. The two programs have entirely different functionality and I don't think Dook would have anything helpful in it.
2	Red Rocket	3	Red Rocket is built on top of ximage so if ximage has fns I want to emulate then Red Rocket probably does too.
3	A Handful of Useful Files	2	It's hard to say if this is useful b/c this project is a collection of files that would be useful in most applications.
4	State Machine Compiler	1	Not many Packages were shared (only 2) and after looking at some of the src code I don't think it'd be very useful to our task.

5	CSGraph Library	1	Downloaded it and wouldn't work. But even besides that, a library with some graph algorithms. I just don't think that'll help for this project.
6	JavaGL	3	I didn't look at the code but they share some API calls related to vectors. Also since it's a graphics library there are probably some functions in there that can be used.
7	Java XSI Library	3	The This library supports functions involving kinematics. The task is I have would probably require similar functions or methods.
8	The Demos Project	4	The description included the "Vertex Modeler" and "3D Modeler" which should be helpful. Also, lots of shared API calls.
9	Fusion Viewer	3	While the overall objectives are different it seems like the underlying functions are similar. Also, lots of API calls are shared (relevant image processing API calls)
10	Errare	2	It's just a game. I think some vector transformation may be in there, but also a lot of code that I might not care about

Experiment One

Participant first, last name: Haley O'Leary

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A few of the results were just applications that specified that their GUI was built with Swing. There needs to be a way to filter out results like those.

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	Form Layout Maker	3	used to generate GUIs build This is relevant because it's a layout manager that builds Swing GUIs. However, it doesn't generate them necessarily.
2	antigrator	2	combines development and building tools, but doesn't autogenerate This is not specific to creating rich clients or Swing GUIs
3	University Scheduler Engine	1	uses Swing elements but doesn't do GUI generation These applications are not really using the same underlying functions, as expressive generates a functional GUI for code and USE just graphically organizes university schedules
4	QueryForm Database Tool	1	This is a front-end for relational databases. It doesn't use code to generate UIs in any way. It <u>uses</u> Swing in its GUI, but that's not the same thing.

5	Xom - XML based Java GUI	3 3	This application separates the logic of GUI elements from their visual representations. It doesn't use JavaBeans to generate a GUI, either, so it's not very similar to expressive, except that they're doing the task a different way.
6	JStaple	3 3	the + Used for building rich UI Java applications. Doesn't seem to take input to do it automatically, however.
7	FDD Tools	1	This is an application to create progress-tracking diagrams from a specific specific textbook. It doesn't provide a way to make new GUIs.
8	JIBS - Java Image Browser & Sorter	1	This is just an image viewer that doesn't seem to provide any of the same functions as expressive. It generates just one GUI - its own!
9	SwingBean	4	+ uses JavaBeans to create a Swing GUI Basically, it's the same as expressive only it also doesn't seem to generate. It's a library
10	XML Swing	3 4	Like Xom, Xml Swing interprets XML to create Swing. It is very similar to expressive, in my opinion!

Experiment One

Participant first, last name: Kerensky Igor Dominique

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- UI is pretty straightforward, simple
- based on the search criteria, some apps were:
 - highly relevant 3/10 \Rightarrow 30%
 - Completely irrelevant 1/10 \Rightarrow 10%
 - Mostly Irrelevant 2/10 \Rightarrow 20%
 - Mostly Relevant 4/10 \Rightarrow 40%
- I think the search can be improved based on the common tools of the item searched and the results.

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: **xmage**

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	Dook : Scripting Language for Java	3	<ul style="list-style-type: none">- Scripting language- Already embedded in Java Platform- share some Java packages with Xmage
2	Red Rocket	4	<ul style="list-style-type: none">- Game Library- Built on Top of Xmage Library
3	A Handful of useful files	3	<ul style="list-style-type: none">- General purpose utility library- Contains GUI classes
4	State machine Compiler	1	<ul style="list-style-type: none">- Programming language for expressing state machines

5	CS Graph Library	3	- Graph Library
6	Java GL	4	- Java Software Graphic Library - Supports : - Vector - Raster - 3D Graphic
7	Java XSI Library	3	- 3D model file importer
8	The Deimos Project	4	- Java-based Game Development library - Vertex modeler - 3D Modeler
9	Fusion Viewer	2	- Medical Image Display - Display Dual-modality images
10	Errare	3	- 3D RPG Game written in Java

Experiment One

Participant first, last name: Abner Cordon

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It is hard still to find similarities, but listing API calls gives a bit more certainty on what you are looking for.

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: **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	1	Even though both programs use the ^{some} API calls, their purpose is different. Jazilla is a rendering engine, while Jivan is a HTML manipulator.
2	Atomic Forums Wrapper	1	Jazilla API calls like image, deal w/ glyphs & rendering. Atomic is just a filter for a forum.
3	CyberNeko HTML Parser	1	No relation to Jazilla's rendering purpose. Cyber is a HTML manipulator parser.
4	ICE Protocol Reference Java Code	1	ICE is a web syndication. Does Does not render anything.

5	LUX XUL	2	This projects is somewhat render (creates GUIs using Mozilla XUL's. However is not related with glyphs (drawing in canvases).
6	Waba for Dos	3	I found a GlyphButton API under windows package. Waba Waba is a rendering machine but still has no specifics for manipulating glyphs.
7	DomSafe- XML	1	This is just a XML file handler. No relevance to rendering.
8	Open SVG Viewer	2	It is just a loader of SVG, I don't know if it handles glyphs.
9	Xopon XML/XSLT Framework	1	Generates HTML pages, ↳ HTML Forms Nothing about rendering glyphs.
10	Draw SWF	2	It generates canvases SWF, but it does not seem to support glyphs.

Experiment One

Participant first, last name: Min, Shen

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I think in general, this search engine works great.

If it provides functionality like allowing users to specify what specific feature the user is looking for, it may be even better.

Also, I ~~think~~ think the display of result may be further improved.

Currently, only the packages list are displayed.

Task

Create an application for ^①sharing, ^②viewing, and ^③exploring large data sets that are ^④encoded 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 (completely irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Java Internet Jukebox	3	Does not support Does not use key-value pairs as the data structure - Does not encode data using MIME. Support browsing data -
2	myPod	4	Focus on organising Music (a large data set). Use key-value pairs as data structure. Searching is well supported -
3	jJukebox	2	Does not use key-value pairs as data structure. Does not encode data using MIME -
4	Trivet	3	Major Data structure is based on tree, although key-value pairs are also utilized. Does not quite well support search functionality (no related package found) -

5	Orca Audio System	4.	Both focus on searching organizing Music. Provides search functionality, and stores data in K-V pairs.
6	MINMOG Platform	4.	Both use K-V pairs as fundamental data structure. Support searching through the players.
7	JTourney	3	Use K-V pairs as fundamental data structure. Does not quite well support searching.
8	Johnny's Jukebox	4.	Both support searching for music. Use K-V pair as fundamental data structure.
9	DJ Brain	4.	Both are for the purpose of searching among a collection of music. Both uses hash map as as the data structure.
10	MidwayMVC	1	Midway is a light-weight MVC pattern framework. It's major purpose is not for searching large dataset.

Experiment One

Participant first, last name: Obafemi Adesola

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I think the overall search results were good. Many of the results could be used as a template for the mime project / Task.

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 (completely irrelevant)	Your explanation of your ranking (a couple of sentences)
1	myPod	4.	It is platform-independent, and allows music management.
2	DJBrain	4.	Branny! Built specifically for managing large music collections!
3	johnny's Jukebox	4.	Perfect! Allows storage and even indexing! It even supports remote control.
4	Jriver	3	Although a gaming driver, the tree structure can be applied to store values.

5	JTourney	2	More of a gaming application. Doesn't do a lot of data management.
6	Orca Audio System	3	Allows music management, but requires web client.
7	mmmOG	2	Looks like it is more of a client/server gaming application.
8	Java Internet Jukebox	3	It is web-based, although it allows music management.
9	iJukebox	3	It is a web-application, but also does the job.
10	Midway MVC	3	It is web-based only. It is not versatile enough.

Experiment One

Participant first, last name: Ramzi Ayyoub

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Bombberman JA

Jampal mp3 library

Rasmus DSP

are the most relevant between the others programs

I saw a lot of similar functions.

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	Java Sound Resources	3	It basically does what tritonus does, saw same method names.
2	Bomberman JA	4	getMidiDeviceInfo() getSynthesizer() similar to what Tritonus does.
3	JEQ - Java Stereo equalizer	2	This program is an equalizer different than synthesizer.
4	JOP Filter	3	AbstractMidiDevice::Transmitter List and receivers.

5	Jampal mp3 library	4	getSynthesizer() and in this method description, this program is very similar to the functionalities Tritonus has.
6	Rasmus BSP	4	It has almost same functions as the previous program which is very similar to Tritonus.
7	Isidial Java	1	this program generates telephone tones !!
8	MP3 Union	1	has nothing to do with Tritonus. It just compile mp3 files
9	LAOE	2	it does filtering, retouching not much of synthesizing
10	The modular music writer	2	It has more to do with music editing. There is no synthesizing function

Experiment One

Participant first, last name: Walter Delevich

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Perhaps allowing the omission of certain api calls like general gui calls and allowing greater weight to more relevant calls as defined by the user and then expanding that weight to other calls the engine deems similar will improve results. It seemed most results were returned because of the gui calls, which really didn't show anything functional.

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 use the following application: **afet**

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	Mospas Mopsos	3	It seems a large amount of similar calls are tied up in the fact they both use swing gui's, which is irrelevant to functionality.
2			
3	gff-Java	1	Again a large amount of hits come from swing gui's, I don't see anything that would lend itself to pattern matching
4	BNF for Java	4	Seems highly related, it parses an input source based on a syntax that you can define, so if you load the syntax with patterns, potentially it could find and replace

5	A Granular Neural Network Simulator	2	They don't seem to have many common api calls, looking up what a GNN is though shows it is effective at pattern recognition. Looking at the source doesn't make the similarities apparent though.
6	Jsql Builder	2	Jsql seems to only be a hit because of the common swing api calls.
7	PLTP PPTP Gui	3	Once again it seems to only have been returned because of up swing calls. On further inspection this might be pretty good, It seems to do some pattern checking.
8			
9			
10			

Experiment One

Participant first, last name: ARUNA VALLUR

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The search engine is good in that it looks for the applications that most probably match the function of the task and likewise. It will do good to the search engine to analyze the inputs & act accordingly

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 - MACROMEDIA FLASH FILE FORMAT	4	The application uses glyph painting facilities and can generate SWF files.
2	IMAGE LIBRARY FOR JAVA	1	The application reads & writes ICO & BMP files and the application does not use glyph painting facilities
3	SONOGRAM VISIBLE SPEECH	1	Drawswf The task is to find applications to create visual representations of texts & fonts whereas Sonogram analyses speech & sound.
4	imajellan	2	The application is used for sorting image file directories.

5	YOPS	3	The media manipulation framework is used to create tools for texts and can be reused in the task
6	JTis - Another Tetris Clone	4	A lot of API calls are common in both the application and the task.
7	Sardak Look And Feel	3	The application can be reused in the task for rep the visual representation using colors and fonts.
8	jlibeps	3	The application resembles the task as it provides an option of viewing (creating) an eps file from a Graphics 2D.
9	JDrawing	3	The task is to reuse the application ^{visual rep. of} for texts and fonts, the application deals with graphics and animation efficiently
10	Jarl	4	The application uses glyph painting facilities to create animations easily which can be used for the visual representations in the task

Experiment One

Participant first, last name: RAMJI, KRISHNAN

Block: Magenta

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Application does find similar projects, but none of them were completely relevant, although some were mostly relevant.

Suggestions:- API calls could be ranked like those that deal with major features (eg:- JMX, RMI, db connectivity API's) are ranked higher, & those that deal with lesser important API's to the domain like java.math, swing etc...

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	JasminParser	3	JasminParser provides disassembler & assembler to convert java classes & jasmin files. Most significant API calls like generators: tree, tcp, asm etc... are common to both applications
2	Dynamic Aspects	2	Dynamic Aspects last commit was more than 5 years ago. It uses Aspect oriented programming features while BCEL does not.
3	Gra3yBeans	2	Gra3yBeans deals with class diagrams to source files mapping. Only few API calls are common to both.
4	HUP	2	HUP deals with heaps memory optimization. BCEL uses JMX, tree trees etc... while HUP does not.

5	Throwable utility for Aspects.	2	Although this pro application uses BCEL, not significant features like RMI, beanscreens etc... are used only in BCEL. Number of API calls in only BCEL is far greater than those common to both.
6	LALR parser generator	1	API calls in this project & BCEL (common) deal with utilities, swing etc... and no major features.
7	class marshaling.	1	This project deals with serialization features which is not related to BCEL. Common API calls are too few.
8	Message Forge	1	Common API calls deal only with utilities & only 1 in common. This application is a messaging framework.
9	Jiapi	3	Most significant API calls are common to both projects.
10	XTc4j - extreme Testing collection, 4 yoo	3	Most API calls are common to both projects : egs:- jmx features, RMI


Experiment Three

Participant first, last name: Steven Del Rio

Block: Yellow

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

• Clan Combined  is probably the best search engine to use. ~~It~~ It gave the most closely related results compared to the other 2 search engines. It resulted in three "4" ratings. One "3" rating. Three results were not relevant.

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	CyberNeko HTML Parser	4	<ul style="list-style-type: none"> • A simple HTML scanner and tag balancer that enables application programmers to parse HTML documents and access the info. using standard XML interfaces. • Matches our search, not
2	The Jazilla Project	2	<ul style="list-style-type: none"> • Aims to create create Mozilla compatible rendering engines for XML. • Does not have an app that parses HTML.
3	ICE Protocol Reference Java Code	1	<ul style="list-style-type: none"> • ICE is a ^{core} protocol for solving content syndication over the web. • Not relevant to an HTML parser.
4	Voambolana	2	<ul style="list-style-type: none"> • An online dictionary that converts foreign languages to a native language. • Uses a SAX parser, not an HTML. • Not highly relevant...

5	NFop	1	<ul style="list-style-type: none"> • Is a formatting Objects Processor for XSL-FO that runs on the .NET. • Not relevant.
6	DOMSafexML	4	<ul style="list-style-type: none"> • Offers multi-user access to XML files via a DOM interface. • This is very relevant to our search BUT we are searching an HTML parser, not an XML.
7	XML:DB Initiative for XML Databases	1	<ul style="list-style-type: none"> • Provides a community for collaborative development of specifications for XML DB's. • Not relevant.
8	xmliter: A high performance XML iterator	4	<ul style="list-style-type: none"> • Provides an API for processing XML data that is easier to use than SAX or DOM. • Great result. Matches our search and provides a better app, BUT does not use HTML.
9	Java XML View	2	<ul style="list-style-type: none"> • A Java library designed to generate XML views of Java objects in SAX or DOM, or some other form. • Not a parser.
10	Saxon.NET	3	<p>Not a parser</p> <ul style="list-style-type: none"> • A collection of tools for processing XML documents. • Not an HTML parser, but is mostly relevant to our search. • SAX not DOM.

Experiment Three

Participant first, last name:

Ali Zeidan

Block: **Yellow**

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this task was more complex to find good results. Other tasks were easier to view and find results from so this would not be a great comparison w/ other search engines or previous experience.

Task

Implement a library for managing tooltips (A tooltip is a common graphical user interface element. It is used in conjunction with a cursor, usually a mouse pointer. The user hovers the cursor over an item, without clicking it, and a small "hover box" appears with supplementary information regarding the item being hovered over.). The Tool Tip Manager library should support operations for configuring how long it will take for the tool tips to become visible and for how long they hide.

Results

Please use the following application: **chiselgroup**

(Shrimp Sorte)

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	GXL	1	Files cannot be opened, discontinued. Roles are completely irrelevant. Main focus is graph editor. No tooltip support.
2	Java Code Primary Simulation	1	No tooltip support. Main focus is the anatomy of the human body. User interface is supported, but very little widgets close to tooltip.
3	map Zael	2	tab widget that can be used as a tooltip by using as add-on plugin. Code can be implemented to allow other functionality such as rollover buttons.
4	SOAP. Anywhere.	1	completely irrelevant to topic's of task. No similarity in roles or even main concept => tooltip. Responsible for GUI aspects to highlight user interfaces.

5	MASQOT-GUI	1	No support for tooltips API calls for several implementations of widgets. Server 500 error when opening files.
6	Charger	2	User interface that allows the concept of knowledge-based buttons to be clicked, but no tooltip provided. API calls show little to no support in widgets.
7	Napkin Look and feel for Zing	3	tooltip is supported through Napkin software . Main goal not achieved (accessing/modifying tooltips) first app. this for reveals tooltip.
8	IGBM	2	allows tooltips in user interface, but no modifications were done or can be done to existing tooltip. API calls share very little w/ tasks.
9	Toscani	2	tooltip is seen on user interface, No manager to modify tooltip. Main goal is to highlight set theory rather than user interface.
10	SF3 Bowling 2D fighting game.	1	Link to game provides image support, not real game. If game provides tooltip, its main focus is not tooltip management, so no manager is available for modifying tooltips.

Experiment Three

Participant first, last name: YASSER, Mostafa

Block: Yellow

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The tragedy of this search was that the original result had to do with the web and databases, and the assignment/task required neither, so the results were largely irrelevant

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.


aut. system tray

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	DOSE	2	some automated code, but no system tray or voltage info
2	Sesame Tenn Adapter	1	Not relevant. Has no system tray, voltage, or automation
3	PRIDE	1	"
4	DZR MAP processor	1	seems the original find had a lot to do with databases, and so most related searches are about

databases

5	Siege	1	Really nothing to do with it.
6	j Grabber Java webcam Grabber	1	I hoped this guy had system tray info, but alas... none of them do
7	MM/- Tethys	1	None of the functionality we're looking for is available
8	LT4eL	1	At least it's in Java?
9	SWISS PIT	1	/Facepalm 
10	Ped Pranhan	1	I am simply glad it didn't eat me.

Experiment Three

Participant first, last name: TATHAGATA DASGUPTA

Block: **Yellow**

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This seemed like a mixture of good and bad results. Displaying package listing separately was helpful.

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	Java Calculator suite	4	GUI component is pretty relevant and BIG parts of the precision calculations are relevant
2	JQuantum	3	Has code with to deal with BIG numbers. Mathematical functions are also implemented
#4	Jump	#2	Deals with precisions of large numbers, Rounding etc. No mathematical functions separately defined.
#3	Sales Portal	0	Only SQL queries no Java code.

5	QN Plot	2	Majority of the code similarity in the UI design, which is irrelevant to the app.
6	Mandala	②	This code application has only Hello World written with different Java libraries and Utils
7			
8			
9			
10			

Experiment One

Participant first, last name:

Sam Cole

Block: Green

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

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

Database Helper,
The best results seem to be 1 p6 sps, Single JTA,
and Castor. Osage might also work. ~~However, none~~
However, none of them seem to support all the
features we're looking for.

Most results were somewhat relevant ~~but~~, but some were
in a completely different category of applications (e.g. web
development), but were returned because they support
some of the features we searched for. This could be avoided
by ~~allowing users to filter results~~ placing applications
into broad categories and allowing users to filter results
based on those categories.

Task

Create a framework that provides transactional support for CORBA-based applications. The framework should handle security and authentication, resource pooling, and database connectivity.

Results

Please use the following application: **tyrex**

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	mafd.org	4 1	It is an web development framework for a specific context, volunteer firefighters. We need something with more general and with other features.
2	Database Helper	3	Provides database connectivity, but not necessarily other features we are looking for.
3	DAR Runtime and Tools	4 2	Provides deployment packaging for database code. This is related to databases, but not what we're looking for. We need a framework that actually provides database connectivity.
4	Osage - Persistence Plus XML	3	Allows us to use Java to no operate a relational DBMS. May or may not no handle security, resource pooling,

5	Firebird	2	multi-platform It's a multi-platform system, and it provides concurrency control (transactions), but it's not an actual DBMS, not an application development framework an actual DBMS, not an application development framework
6	p6spy	3	Provides application framework for Java DB app. development, supports transactions. Doesn't mention security or resource pooling
7	SimpleJTA	3	Manages transactions, provides framework. Doesn't mention security or resource pooling.
8	Castor Framework	3	Provides Java framework for database connectivity, but may not include support for transactions, authentication, or resource pooling.
9	Nodepublisher	1	This is a web development tool, not a framework for developing database apps.
10	openjms	2	This is a messaging service. It's somewhat relevant because it can use authentication and JDBC, transactions, and SQL-like queries to filter messages, and it supports multiple protocols. It's not at all what we're looking for, though.

Experiment Three

Participant first, last name: Joseph Grasser

Block: **Yellow**

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This did the best job the three browsers,
it had the best search results. I have
the most confidence in these results,
because the projects matched very closely.

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	Java Sound Resources	4	Matched search terms but Imports library to deal with midi files. Imports library to create midi files + add reverb
2	Bombeman JA	3	Imports java library javax.sound.midi: synthesizer Uses tritonus in its implementation No tools for creation of library
3	JEQ filter Java Stereo Equalizer	1	does not deal with midi files. Not good for library creation
4	Jampal mp3 library	4	Has sql tools + midi libraries. Probably a very good choice

5	RasmusDSP	3	No way to create librarys. But midi librarys have been included in the package. Synthesizes midi files
6	Isidial Java	3	Creates midi tones like telephone noice. Could be adapted to do what we need. No database tools thorph.
7	Mp3Union	1	Nothing for creating midi files or managing databases. It only compiles mp3's.
8	LAoE	4	Can manipulate sound with this app. And it has big libraries to aid in the creation of a sound library
9	JOP Filter	2	Has the libraries, but the implementation only filters sound. Not really what we want
10	The modular music writer	3	Can edit midi files Not a lot of the synthesizer librarys have been used in this app.

Experiment Three

Participant first, last name: Manpreet Kohli

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Fair job of relevant results, javaclan.net is better though.

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	jethro	3	Overall projects are diff, but this includes getting a JVM configuring
2	beansync	3	Similar to the one above. Also Involves getting details about the virtual machine
3	File Cannon	1	GUI replacement for JAR utility. Share some irrelevant GUI Swing API calls.
4	Very Simple jTV Tuner	2	Includes some calls to find the mem. in the JVM and some Swing GUI calls. However Overall functionality is completely different.

5	Cognition Perception Lab	1	Both share a no. of event listener calls & GUI setup calls that do not describe the purpose of the projects.
6	Movie theque	2	Both Includes finding mem. in JVM & GUI calls.
7	Dialog layout layout manager	2 3	JFreeMon uses a dialog layout as well.
8	Chaotic Attractors	2	GUI calls and JVM calls access calls.
9	WDBean 0 -Manager	2	Very similar GUI layouts
10	Live Tracker	1	Completely irrelevant. Used to track visitor traffic on websites.

Experiment Three

Participant first, last name: *Priyanka Dawant*

Block: **Yellow**

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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 Distributed Simulation	4	Both application make use of API such as Java::awt::Font::GlyphMetrics which return the of component is glyph
2	eXML - eXtensible Markup Language	2	Both applications make use of this application deals with XML schema & XSLT file to create XHTML. The API's used by the application are basic Java::beans, lang.
3	Decode Base64	1	Both There are not much common API b/w both the application
3	QTNew	4	

5	Jstock Ticker	3	Both the application uses many common APIs such as ant:font:Glyphtext, java util etc. But Jstock Ticker is only for stock domain unlike to DESMO-5 which has independent domain
6	Mates	2	Basic APIs are used by both of the systems
7	JPyPe	1	
8	Jron	1	It is a Java scheduler library that has pattern matcher, scheduler. The APIs common to both the application are common used API test, swing calendar
9	Jess X	3	
10	The ONIX-PL Editor	1	It is a webbased editing application. The APIs common to both the application are Java: swing

Experiment Three

Participant first, last name: NATRAJ, SUBRAMANIAN

Block: **Yellow**

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Most seem irrelevant, but might hold some relevancy

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(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	JbGen	2.	Mostly irrelevant. Does not deal with enterprise class J2EE apps and components. Rather focuses on form handling and validation.
2	Struts Workflow extension	2.	Mostly irrelevant. Both programs share very little similarity.
3	Struts for Transforming XML and XSL	2.	Mostly irrelevant. While both softwares share many of the same API calls, there is little functional similarity to the original task.
4	Servlets and Filters Library.	3.	Mostly relevant. I assume OpenSymphony is a subset of Servlets and Filters Lib.

5	JPattern Utils	1.	
6	Big Brother	3.	
7	Open AMF	4.	
8	Java Web Parks	3.	
9	open Source Flex Apps	1.	
10	Jeslr	3.	

Experiment Three

Participant first, last name: SANA, MUQIM

Block: Yellow

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Similar results as Jarecken.net.

First 4 & 5 ~~are~~ applications are mostly relevant and later related applications

have mainly API calls however the context is mostly diff.

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	Java Pool	4	Java Pool's most API uses are used in Yapoolman. However it satisfies only a small subset of API used in Yapoolman. base Description suggests both applications serve same common purpose.
2	C3PO: JDBC DataSource Resources Pools	3	Lots of Relevant API, Concept of application have similar ideas implemented in different scenarios.
3	Java Util classes	3	Lots of Relevant APIs are present but some important ones are missing like: or built: Threadpool.
4	Java in memory JNDI context	2	Some relevant api, but not ^{matching} superior to than However very different usage & context. JNDI and proxy handler over pooled Java objects.

5	XML Generator Query Language	2	Some / Relevant api's matching but many important ones are missing like thread pool etc. Relevant
6	High Performance Java Comm. Framework	3	Contains many relevant APIs from Java Communication framework.
7	JDBC Importer	2	
8	WSDP Imdb	1	
9	VJDBC	2	
10	Build Process	2	

Experiment Three

Participant first, last name: ANUSHA VANNELA

Block: **Yellow**

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By using API calls I was able to compare
the applications very easily.

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	The Aegis VM Project	4	→ Both have common API calls.
2	LJOS - Java and database integration	2	→ Both A Both applications have only 2 common API calls tree, util.
3	WabaJump	1	→ No common API calls for both applications.
4	Teaseme Java Virtual Machine	2	→ This application used C, Java where as waba-for-dos used only Java for programming.

5	SuperHaba	<u>1</u>	→ Uses Assembly ^{language} and has UI unlike the waba-for-dos
6	Open SVG Viewer	<u>2</u>	→ Both use Java and but API calls are not common.
7	Wabadma	<u>3</u>	→ Has common classes and uses WabaVM.
8	DrawSWF	<u>4</u>	→ Common API calls such as RMI.
9	YOPS	<u>1</u>	→ Only 1 common API call (javax.print)
10	Source Navigator	<u>1</u>	→ Uses C, C++, Fortran, Java.

Experiment Two

Participant first, last name: Viktor, Potok

Block: Green

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

Overall, there seemed to be very many mostly irrelevant and completely irrelevant matches. But the detailed project descriptions along with the source code comparison tabs made it much easier to weed out the bad matches as compared to muddledue which lacked these features.

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 use the following application: **afet**

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	Mopso5	3	This framework revolves around word prediction algorithms thus should potentially be able to handle advanced pattern matching and obviously handles replacing of pattern with replacement string (prediction)
2	JWorkSheet	1	Does not specialize in pattern matching at all. This is just a time tracker application for projects and nothing more.
3	BNF gift -java	3	The pattern ^{parser} capabilities of this application are very promising. Should be able to handle very advanced pattern matching.
4	giFT-JAVA	1	This is just a front end utilized by an extant P2P network. Completely unrelated.

5	Granular Neural Network Simulator	2	although this project may have contain some advanced pattern matching algorithms, it would be too much of a hassle to seek them out.
6	JSAL Builder	2	Uses a lot of the simulation API calls but probably would not be very useful for this particular task.
7	PPTP - GUI	1	This is just a graphical interface. Completely unrelated.
8	JMult Pags	1	This is just a front end for unix based printing programs. No visible list of pattern matching operations.
9	Gebora	2	being a database management system, has alot of potential for handling and advanced pattern matching tasks just not ones relating to the given problem description.
10	Address Applet	2	Supports searching which implies some sort of pattern matching capability but once again the application itself is not entirely relevant to the task at hand.

Experiment Two

Participant first, last name: SWAPNA KOLACHINA

Block: **Green**

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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	The description about how to build Java Swing layouts using JGoodies has not been provided.
2	antigrator	2	The information and APIs provided are not relevant to the title.
3	Univerisity Scheduler Engine	3	The Support Forums link in the University Scheduler does not provide appropriate information.
4	Queryform Database Tool	4	Gives a detailed list of the methods and the API calls that are used for building the application.

5	XOM - XML based Java GUI Environment	4	The APIs provided are completely relevant. It even includes security related APIs.
6	JStaple	1	The APIs provided are very few and also unrelated.
7	FDDTools	1	The APIs provided are completely irrelevant to the applications that support Feature Driven Development.
8	JIBS - Java Image Browser & Sorter	2	Some of the APIs provided are not related to the image browser & sorter.
9	Swing Bean	3	The APIs provided are not very relevant to the construction of Swing GUI based on Java Beans like retrieving rows.
10	XML Swing	4	All the methods that are required for creating Swing UI are very well framed.

Experiment Two

Participant first, last name: *Leonel, Perez*

Block: **Green**

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Good comparison of API calls.

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: **qform**

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 Library Management system	1	This is related to physical library management which is very different from a software database.
2	Visual Postgres	3	Table management for databases.
3	PrM Import Framework	3	Logging of information in XML format.
4	JDBA	3	Management of multiple instances of several DBMS

5	FDD Tools	2	Progress tracking diagrams.
6	JDBC Tester	4	SQL statements proved for Query Form Database tool.
7	Vela, Developer's tool for Oracle	4	Both use Java Swing for the GUI.
8	Sql Minus	4	Facilitates issuing SQL to multiple databases
9	Org. profiling and competency management	1	
10	JSq/Tool	1	

Experiment Two

Participant first, last name: Matteo Pucco

Block: Magenta

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

Given the task ~~of the~~ of the experiment I looked mainly for Drag & Drop APIs shared by the given program and ~~the~~ ~~one of~~ the results. ~~and with the~~ ~~APIs~~ ~~program~~ However if the search ~~was~~ were to be ~~also~~ based on the functionality of the programs, there are great discrepancies, for instance π flows is to build web services while better Scale (as the name implies) is ~~to~~ aimed at learning guitar scales. Overall java class search engine did a good job at finding programs with same API's but ~~is~~ that share no ~~of~~ similarities in their functionality.

4	Arrowhead ASP Server	2	Shares a lot of API's, no drag & Drop.
5	UEAS	1	Nothing related to the task is used in UEAS.
6	Rowing Club Management	2	No Drag & Drop API
7	CVBMC	2	Nothing related to the task can be found, shares some of the API
8	SQLloader allows SQL statements to upload	4	Only some APIs irrelevant to the task are shared.
9	Outer scales	3	Some Drag & Drop API's used
10	Camp Soft	2	Some API's are shared but nothing related to Drag & Drop.

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	Dumify	2	Nothing related to Drag and Drop task is used in Dumify
2	News Picker	3	DragTargett Event Target R. like Api is implemented. Not used
3	Shift One Arbor	4	Full Drag & Drop Api is used in both -

Experiment Two

Participant first, last name: *Ismael Delgado*

Block: **Magenta**

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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(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	5 The que	1	This is an application with multiple sub-projects - has really nothing the same.
2	Frost	2	This is like a graphical interface that might be able to use with Redpos.
3	Jacareto	4	This is written in Java. This is a tool for testing Java code.
4	Flooz	3	Bank account manager software. This might be able to use of POS software. Since there two software might have the same characteristics

5	Java My Admin	2	This is Java based but might have some features that might be in Redpos
6	JCryptool	2	Jcryptool helps also helps people understand cryptographic mechanics. Might use this book service in a POS software
7	Wide Studio	4	This is to build programs in C++ but can handle its an IDE for developing.
8	ELLIPSE Agency	1	This is an interface to control Microsoft agents. Not an application
9	Rosett stone Library	4	Java library for keyboard text entry. Not really stand alone application
10	Quezen	2	This can be used to organize list of sale transactions. This tool might be helpful with use of Red pos.