

Experiment Two

Participant first, last name: Manpreet Kohli

Block: Yellow

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

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

No API call comparisons make mudablue a pain to use. ~~Very~~
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	Peruser 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 Fixed Storage) File	2	Ontology to store meta data about files. Again conversion of data and storing into a repository are shared.

Experiment One

Participant first, last name: Manpreet Kohli

Block: Yellow

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

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

Top 3-4 results were the only ones relevant. More stress ~~needs~~ could be laid on how many API calls are shared that actually have some common terms in the project description as well. This would ensure that the comparisons aren't simply based on irrelevant API calls that have nothing to do with the project's functionality. Overall, the ^{top} relevant search results were actually really good.

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	They both load java classes using a pool of available threads. JasminParser perform extra operations after it's done loading all the files. Almost 90% API calls shared.
2	Dynamic Aspects	3	Similar functionality. Uses threads to load and delete aspects to help modularize code. (Deals with aspect-oriented programming)
3	Object class marshaling	3	Serializes objects based on their classes. and deserializes Uses threads to load objects
4	XML Message Forge	4	Generates java classes from XML defns. Only similarity is they deal with java classes. I shared API call!

5	Utility for LALR Parser Generator	1	Not at all relevant. Only similarity is that it parses java classes while BCEL parses binary classes to create JavaClass instances. Parsing is the only thing common between the two
6	Parser Generator Spanish NLP Tools For GATE	2	Again, parsing is the only common functionality. This app parses the Spanish language (so white space parsing is the only commonality!)
7	Parser Beans	2	Can be used to convert relational class digs to source files & vice versa. Loads class source files in a similar way as BCEL.
8	Parser diaz	4	Used for building Data Access Object classes. However, they both completely share 0 functionality. A couple of parsing calls is all they share
9	Parser Paediatric RCP	4	Patient mgmt tool. Has absolutely no shared goals. Completely different functionality intended
10	Parser Extreme Tooling Collection with OO Patterns UNO	4	Used to study design patterns. Shares no common functionality. Basic data structures API calls (HashSet(), ArrayList()) etc. are shared.

Experiment One

Participant first, last name:

Yasser Moutafa

Block: **Yellow**

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

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

Well, the starting program I had was not that relevant to my task, so not many additional programs were that relevant.

That said, some programs had bits of useable code, but no program was everything I needed. Looks like I have coding to do!

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 tech	2	has some parsing, but is largely irrelevant
2	Atomic Forums wrapper	1	used for cleaning up forums. Not very relevant.
3	Comic book editor	3	can create vector drawings. drawings can be added in comic blocks, could be similar to glyph metrics
4	Toscani J	2	deals with set theory, might be useful for vector sets for glyph entities, or sequences of glyphs

5	DrawSWF	3	Drawing program, stores data for reanimation later. Drawing/storing useful.
6	ICE Protocol Reference Java Code	1	subscription / content providing engine... not a big help
7	Agents	2	has plotting / visualization calls, but otherwise... yeah.
8	Wabun for Dos	1	proof of concept tcp/ip program, not relevant
9	The Aegis VM Project	1	1, uh, This doesn't look quite useful. Works with Java bytecode, not quite complete.
10	JARP	2.5	Stores petri nets, so has data of various vector-like objects together. Can also export to multiple file types

Experiment One

Participant first, last name:

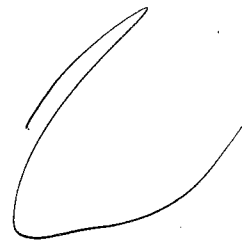
Ali Zeidan

Block: **Yellow**

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

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

I found the search engine to be not consistent and gives off-topic results, although it does search beyond the name of the query, such as its description and the role the application plays.
example "repair/fix"



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	Judging by description => modifying files, adding new entries, deletion not possible. Tasks are not identical to the task needed. API call only FileInputSteam
2	alt-announce messages Fetcher	1	Tasks are not relevant, except for retrieving data. Main responsibility is for fetching messages from newsgroup/blog forum. Provides little to no support for .zip files
3	BeoZip	3	Same responsibility as task. Allows the action of deleting, reading, and writing. API calls are very similar. Dled package yields 500 internal server error.
4	TooShare	4	Utility for Eclipse Tech. that allows zip files. Not relevant to "Task" reading/deleting/additional features to zip files

5	Java PH XXXXXX XXXXXX	1	Task responsibility differs from this app. Its responsible for Queueing PH servers. No API calls are shared and no additional features for ZIP files/archives
6	GPlay Addon for X	4	Allows the zip file to be used by the add-on. Main responsibility select vides and perhaps store them as a .zip file.
7	Project X - DVB demux Tool	4	Project X => handling and repairing stream types. API calls are shared. 500 internal server error. when doing this has little to no support for ZIP archives
8	SB-MAR	4	Mangocal is to use controls for agents and robots XXXXXX . Allows the add-on to ZIP files.
9	Java Kinshir	4	- Numerous API calls shared. - Several plugins, but not relevant to task. - Missing API calls for ZIP type manipulation
10	JMSN	4	Allows to send/receive file types. Several API call shared including most of "task", although responsibility is not to manipulate ZIP files. ... social network instead.

Experiment One

Participant first, last name: Steven Del Rio

Block: Yellow

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

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

- When I tried searching "chiselgroup" in javaclan.net it gave me a different application called "Shrimp Suite". I made my comparisons but the results were given for "Shrimp suite" not "chiselgroup". I hope that is not a problem.
- Overall, the search engine did not seem to find what I was looking for. It gave me a completely different application when I searched "chiselgroup".

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**

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	Sf3 JSwing: 2D fighting game	1	<ul style="list-style-type: none">• A game framework is not relevant to a library for managing tooltips.• It's a fighting game!• Deserves a 1.
2	IGBM	2	<ul style="list-style-type: none">• IGBM has a graphical user-interface that allows for navigation and shows annotated info.• It is not a tooltip manager library but probably used one. Deserves a 2.
3	Debrief	2	<ul style="list-style-type: none">• Debrief is used for viewing maritime vessel tracks in 2 and 3 dimensions.• Not a tooltip manager but it does use a gui. Deserves a 2.
4	Vojl - Volker's Java Improvements	1	<ul style="list-style-type: none">• Vojl is a package with java utilities used for database applications or stable log systems.• Not relevant.

5	CharGer- Conceptual Graph Editor	2	<ul style="list-style-type: none"> • Again, CharGer is a conceptual graph visual editor which helps in editing graphs for CG knowledge. • Not very relevant to a tooltip manager.
6	Java Blogging Libraries	2	<ul style="list-style-type: none"> • Provides a Java API for dealing with the Blogger API. • It is not exactly a tooltip manager library but it is close. It is not a tooltip manager library.
7	Legatus Lib	1	<ul style="list-style-type: none"> Legatus • Legatus is a networked game. • Not relevant to a tooltip manager library.
8	Flora-2	1	<ul style="list-style-type: none"> • Flora-2 is a logic-based object-oriented language for building knowledge-intensive applications. • Not a tooltip manager library.
9	Masgot- GUI	1	<ul style="list-style-type: none"> • Masgot-GUI is a platform-independent application for two-channel microarray spot quality control. • Not relevant at all.
10	javavis	1	<ul style="list-style-type: none"> • A computer vision library in Java. • Not relevant...

Experiment One

Participant first, last name:

Joseph Grasser

Block: **Yellow**

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

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

Most of the results returned were good results.
All the results dealt with graphically managing
table data. The applications that scored really high
had 2 criteria. { Needed to show data graphically
{ Needed to dynamically change size.


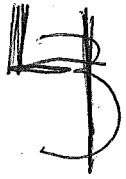


It is important to note that only a
couple of the applications didn't cut musters

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	VisualPostgres		Any application that shows or saves data will use a database. This class has api that interact with databases
2	JSq/Tool		Has capability to view + edit database tables + swing based. Does it have resizable scrollbars
3	Vela, Developers tool for Oracle		has a ^{graphical} front end for dealing with databases
4	JPBA		Application does not show database information in tables. It is form based, so there will not be many ways to modify stuff

5	Lustre Monitoring Tool	2	Form based like last application Uses the table api from java swing package.
6	SPBC:	4	uses many api calls to table. Also has api calls the deal directly with resizing cells in table
7	Javastatsoft	3	Makes use of table apis, but does not have the ability to modify cells. Can Dynamically changes size of table.
8	Spocket Swing Pocket	3	has a graphical table api, can update cells. But this table does not dynamically change much.
9	JDBC Tester	3	Supports graphical ^{table} api. Can't dynamically change the size of the table. Can
10	Nexist	3	Add remove rows from the database, Modify data, The The table does not dynamically modify itself.

Experiment One

Participant first, last name: NATRAJ, SUBRAMANIAN

Block: Yellow

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

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

The projects chosen for this task as modules for the framework are mostly irrelevant. There are a couple that can relate to database connectivity aspect of the task, and even fewer when it actually comes to allocating and pooling resources. However, for something like this, there are no projects from the selected ones that relate to security and authentication at all.

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	Edit DB	2	Mostly irrelevant because API calls from this project seem don't seem to contribute to the original task except for some security authentication. As stated, the project is more meant for understanding database structure
2	SisIYA	3	MOSTLY RELEVANT. Seems to contribute to both resource pooling as well as database connectivity aspects of the original task. Furthermore, sisIYA is meant as a system monitoring tool.
3	CUG user management	1	Completely Mostly irrelevant. User management api → has little to do with transactional support.
4	Excel JDBC Driver	3	Mostly relevant. Used to parse and load XML, csv, Excel files. Slightly relevant to database connectivity. Also contains certain aspects of resource pooling and security and authentication.

5	Schweasel command line sql shell	3.	Mostly relevant. Used for updating as well as modifying relational databases that support jdbc. Not much related to database connectivity however
6	p6spy	4.	Highly relevant, because it combines aspects of connectivity as well as modification without any change to the app. Furthermore, it keeps a log of all JDBC transactions.
7	ImseVimse	1.	Completely irrelevant. Contributes nothing to the task.
8	Database Populator	4 . 2.	Mostly irrelevant, but contributes to testing purposes.
9	GS Base	3.	Mostly relevant. Contains classes that might be useful for resource pooling and other basic system and application related tasks
10	Total Recall	1.	Completely irrelevant. Nothing related to the task at all.

Experiment One

Participant first, last name: TATHAGATA, DASGUPTA

Block: Yellow

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

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

1. The interface is absolutely non-intuitive and gives ~~not~~ hardly any relevant information
2. Code snippets of relevance ~~and~~ (like naiku displayed in google search results) should be better

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** (c)

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 (The interface did not match APIs for individual applications)	4	13 - matches
2	STP	2.	Both app - 2 matches of these only 1 is ^{is} relevant as the other matches is java.util which has 109 occurrences in 71 files in psychopath and its use is fairly generic not specific to the problem
3	DAME	2.	Both app 3 matches java.Math and java.util are common use of the other packages is not significant
4	Wreck Surveyor	3.	3 API reference of most relevance, meaning these are used for specialized operation in DOM structure of psychopath

5	Scenery Manager	3	Relevant API call match is 6 Significant part of the code seems relevant
6	Gnumlax mapping framework	3	Relevant API call match - 4
7			
8			
9			
10			

Experiment One

Participant first, last name: *Priyanka Dawani*

Block: **Yellow**

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

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

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	Black Jack For Java	2(most irrelevant)	It uses both the application uses APIs such as java.awt, java.beans etc. But the main function of AFET is Pattern matching that needs APIs such as java.util.regex.Pattern, Matcher or Pattern.compile which are very basic
2	Sedent Web	1(compl irrelevant)	The application shows how good we Team Players etc. APIs used by both application are again Java.io, Java.lang. No pattern matching operations are not performed
3	Medea Sniper Java Ogame Simulator	1	The application doesn't provide perform any matching operation on a character seq. This application is a webbased game which make high use of Java.awt, idl Swing
4	Medea Sniper	3	The application matches the URL in order to download media file. It uses a PatternMatcher, Stack and Java.io.File. i.e. Pattern matching operation is performed though it does not use util.regex

5	Speak Right Framework.	1	Both applications uses basic APIs. Speak Right Framework does not make use of APIs such as <code>java.util.regex</code>	
6	Topco! Event driven IPC for Java	1	API used are simple <code>java.io</code> <code>java.lang</code> . Again no pattern matching / replacement operation are not performed.	
7	eJb Voyager	1	No pattern matching and replacement operations are performed. @ API used by both applications are <code>java.awt</code> & <code>java.beans</code> which are basic and does not perform	
8	HEAD-HTML Editor Applet DreamWorks.	2	It performs the cut/copy paste. But it does not provide pattern matching operation and replacement operation provided by APET. Does not uses <code>java.util.regex.Pattern</code> & <code>java.util.regex.Matcher</code> . In general pattern &	yes
9	Nap	Highly irrelevant	It just have simple command line utility that displays countdown. It uses simple API for <code>java.io</code> to ^{buffer} input streams, <code>BufferedReader</code> , <code>Writer</code> but does not perform any pattern matching operations	yes
10	Like Crop	3	Both the application uses <code>AbstractPattern</code> , <code>Pattern</code> & <code>Matcher</code> . Also it uses <code>java.util.regex</code> . Both of the application performs the pattern matching operation. No replacement operation is performed.	

Experiment One

Participant first, last name: SANA, MUQIM

Block: Yellow

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

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

I found the first ⁴ ~~few~~ projects to be highly relevant to the given application. The no. of API call matching was quite high and from the description it seemed to be quite relevant for the purpose. However the later project even with lots of API calls matches, it is difficult to suggest if they were relevant since the description is not enough to suggest the actual use of these APIs.

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	JSynoptic Agroapical sheet editor	3	Both applications uses API Sun: font and other Shape / transform APIs. The description of applications in both cases the input is plotted by the user
2	JOpen Chart Toolkit	3	Support foreign languages. Mostly relevant API calls are in both applications
3	Jago	3 4	Jago can support writing simulation, hence it creates visual presentation of text, also uses API to support foreign chars.
4	Waba for Dos	3	Although there is quite an overlap between APIs of call which seem relevant, it is not clear, what for what purpose these APIs are used

5	Image library of Java	2	There are some Not clear if in the same context, but lots of API call needed.
6	Java Cardio-Pulmonary Simulation	1	Not relevant for the purpose of creating test 2 forms
7	Debrief	2	Some relevant API that concerns with text layout
8	LAMINA	2	Diff Application as usage.
9	Sander Look & feel	3 2	API can be used for some general API for functionality
10	Vitepad	1	Not so relevant in context of the source application

Experiment Three

Participant first, last name: LAKSHMI KALIBOUNDER

Block: Green

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

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

The description by itself was ~~at~~ clear to
say if the mentioned job (record & replay) can
be ~~done~~ performed.

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	Txitonus	2	there was some API related to sound. hence this application may be used for MIDI files
2	JBR - Java Stereo Equalizer	3	can read the sound. But dont seem to have any API to support playback.
3	Alis Recording Tool	3	clearly has API to record sound but does not seem to have any API to play back.
4	Alk Java	4	has API to play back

5	Java Speech interface library	3	can use this application for recording as API seem to help in recording
6	Java SD snowglobe simulation	2	does not enable recording from user. allows playback.
7	SOP filter	3	says that sound can be played back but does not say anything about recording
8	The modular music writer.	4	used for recording & playback
9	J-Poker TM	3	allows playback but says nothing about recording
10	LAOE	4	can be used for recording & replay.

Experiment Three

Participant first, last name: James Rhein

Block: Green

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

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

This search engine was pretty off in finding applications that are similar. They might use similar API calls, but were very different in functionality.

THE NEW YORK PUBLIC LIBRARY
ASTOR LENOX TILDEN FOUNDATION
155 E. 42ND STREET
NEW YORK 17, N.Y.

31

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 BB	DB Fit	2	Deals with Tests on Data bases irrelevant besides Both deal with Data bases
2	Active Record Java	1	Active Record not relevant to Sqlshell, has nothing to do with Sql
3	AJAX JSP Tag Library	1	a library for Javascript + xml not relevant to creating a shell that deals with SQL
4	Google Web Tool-Kit	1	For OLAP Views and reports NOT relevant to SQLshell

5	Easy Web Application Builder	1	creates web applications using XML, which has not much to do with creating a SQL shell
6	Turtle Sport	1	communicates with fitness products, though it probably uses databases, it is not relevant to SQL shell
7	Java web Applications Framework	1	helps you to create web applications, maybe can use this to create SQL shell, but not related
8	DAOMede	1	uses code generators not related to SQL shell
9	DB Tamer	1	migrates a Database schema and data to a different Database. Not related to SQL shell
10	Azuki Framework	1	Framework to reduce costs of deployment of software systems. Un related to SQL shell

Experiment Three

Participant first, last name:

Sam Cole

Block: **Green**

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

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

This experiment proves that even when keywords such as "Java" are matched, we can get results ~~that~~ whose functionality is not even remotely related to what we are trying to accomplish.

Again, this could be improved by allowing users to select a general results category from a list.

MUDABlue seems to be the best of the three engines by far.

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	RText	1	Text editor. Probably only returned because it's written in Java.
2	Metis - the Open Source Runescape Client	1	A client for the game Runescape. Again, probably returned because it's written in Java.
3	Master VietPad	1	Vietnamese text editor. Enough said.
4	Master Combat Control Program	1	This is a combat simulator. Written in Java.

5	Java Digital Album Infrastructure	1	A Java photo browsing tool written in Java. Does not even remotely do what we want it to.
6	Portecle	2	This is a security/ management encryption application. Some feature might be useful, such as exporting keystores, but overall not what we're looking for.
7	Neural Network Toolkit	4	This is a toolkit for modeling neural networks in the brain. Probably returned because it's written in Java or because of the word 'networks'.
8	Ganz??a	1	Cryptanalysis tool for classical type ciphers. Not the type of application we are looking for.
9	Logi Test	2 3	Tests web based apps. Includes some features we're looking for, like real-time monitoring. maybe May not actually monitor JVM, though.
10	ChatX - A LAN Chat	4	Chat ^{client} program <u>written in Java.</u>

Experiment One

Participant first, last name: Nick Shaskewich

Block: Yellow

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

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

To decide on relevancy I would consider:

1. How similar to the project's objectives sound. In terms of what these 2 codes set out to do. How much overlap is there
2. How much overlap is there in relevant API calls (not API calls that I think anyone might use)
3. How big is the other project? ~~it's not~~
~~eye ball the size to be~~ If the
$$\frac{\text{amt of API calls in Both Apps}}{\text{amt of API calls in the other App}} < \frac{1}{2}$$

then I figure the other App is big or at the very least full of lots of API calls and maybe I don't want to look through all the source code.

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-wise script-Interpreter	2	I don't entirely know what an Abstract Syntax Tree is but I'm pretty sure an interpreter is not what I want back. That, and the shared API calls are very common calls like arrayCopy().
2	Remote Tea	3	It looks like these 2 share many relevant-sounding API calls: Ir_parser package and the compiler package
3	Demand Side Management Simulator	2	The two programs have totally different objectives. They do share some API calls but the API calls are things like ArrayEnumeration which seem common to most programs.
4	Nice XSL	3	The objectives seem similar enough and the shared API calls come from relevant sounding packages

5	Dynagraph for Grappa	3	The Dynagraph program lets a user graphically edit graphs which is an ability classgen wants to have.
6	MODOC	2	Uses similar packages but the objectives seem pretty different. I'd have to look at the sourcecode and to see if any functions are reusable
7	Java Checker	3	It seems like many of the subroutines of Java checker would be used to build the AST.
8	MicroParser - Java XML parser	2 3	Important API calls are shared between the two. Parsing is probably some subroutine of classgen so functions from MicroParser are probably useful
9	MOON	4	The projects objectives seem too different. But also it looks/sounds like Moon is a very large complicated project and so I wouldn't want to look through all that sourcecode
10	Open Architecture Ware	2	I'm not sure what the projects objectives are, though it does seem to share relevant things API calls

Experiment Three

Participant first, last name:

ASHOK RAJ NAGARAJAN

Block: **Green**

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

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

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: **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	jDMSideshow	2	Does Doesn't have any common API. Only the adjustment related APIs can be used.
2	Dartc Maps	4	These API helps in reading images and hence the color. Used to generate map that can be used to generate required transformation.
3	hansa	4	Only relevant thing is it is written in Java.
4	Photolith	3	Can use the transformation related APIs to generate the require CIE XYZ color space with quite a number of additional.

5	Quality Assurance Middleware	1	NO common APIs available here.
6	Handwritten Number Recognition	2	Can we image processing APIs to work on the range of the color.
7	Tide	1	Completely irrelevant to the requirements.
8	Variation	2	Can use the API calls related to the scanning of images
9	JMSN	1	Doesn't have anything in common to the requirement.
10	Smooth Metal Look and Feel.	1	Completely irrelevant. to the search.

Experiment Three

Participant first, last name: Greg Jarzab

Block: Green

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

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

It seems like simply looking through the java documentation would be just as useful as using this search engine.

It would be helpful if the results allowed me to see the specific code that made reference to the given APIs.

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**

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	Sf3 JSwing 2D fighting Game	3	Contains Code that which utilizes javax.swing.ToolTipManager This might be useful
2	IG BM	3	References to java.swing.ToolTipManager.
3	Debriet	3	Same as above.
4	JoST	2	Makes use of tooltips but nothing doesn't look helpful.

5	Char-Gen	4	Makes extensive use of javax.swing: ToolTip Manager.
6	Java Blogging Libraries	3	Same as above.
7	Legatus	3	Same as above
8	FIORA-2	1	No references to ToolTip Manager
9	MASQOT -GUI	2	References to javax.swing: JToolTip
10	JavaVis	3	Many references to javax.swing: ToolTip Manager

Experiment Three

Participant first, last name: Viktor, Potok

Block: **Green**

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

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

Ran out of time
Good use of tabs to view source code, overall a pleasant experience.

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	JBANANA	3	Makes use of Java Beans. Selects the best View Interface which can easily display text in its GUI.
2	edenLib	3	Also makes use of Java Beans along with advanced GUI handling.
3	Process Execution Engine	2	No GUI support : doesn't seem to use JavaBeans
4	Eximlib Java Libraries	4	One again lacks GUI ^{and} but doesn't use java beans technology thus lacks to utilize the bound indexed property.

5	iMeMex Data space Management System	3	java beans and swing support is integrated
6	Java Web Parts	3	Swing GUI and java beans is utilized
7	JDBC Importer	3	Has GUI support and is based on the java-beans technology
8	Code Code Generator	3	One again has GUI interface and uses java beans
9	Information Card Java	2	Has swing but not reliant on java beans
10	MSPC Modules	2	Has swing but not based on java beans

Experiment Three

Participant first, last name: LEONEL PEREZ

Block: **Green**

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

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

Mostly returned unrelated applications

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(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	JaBaCAts C-A Tools.	3	Tools can simplify applications like CertForge
2	OPIN-VA	3	Signature validation.
3	KeePass for J2ME	2	This is a password manager application.
4	A dictionary for mobile phones	1	this is an offline Dictionary no relevance to SSL.

5	AllinOne	1	Not related to SSL.
6	J2ME SNI-WoX Guide	1	Not related application functionality
7	PENcrypt	2	cryptography related but not in Networking
8	Soliloquy	2	
9	EAGE	4	
10	Utokenzeichen	4	Traffic related Not SSL.

Experiment Three

Participant first, last name:

Mustafa Shameem

Block: **Green**

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

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

The results were not
great with relevant
3 out of 10 being
accurate.

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	Jazilla Project	4 (highly relevant)	The app jazilla project is highly relevant, because the HTML has to be parsed and a DOM Tree is produced which is the task at hand.
2	Cyber Neko HTML Project	3 (mostly relevant)	The app does builds a DOM tree; but has no ability to modify the tree and change the HTML.
3	ICE Protocol Reference Java code	1 (compl irrelevant)	This provides content syndication through over the web making it completely irrelevant to parsing HTML.
4	Send Motherfucker Send	1 (compl irrelevant)	This does not have anything to do with the main task besides outputting XML files, and is a SMS app.

accidentally skipped 10) at end

5	XML: DB Initiative for XML Database	1 (compl irrelevant)	This provides a way to collaborate on XML databases specifications which is not task at hand.
6	DOM Unit	2 (DOM mostly irrelevant)	This is not relevant because the app is used for unit testing, which is not the task.
7	Sahits Workflow	1 (compl irrelevant)	This app is used for developing work flows with XML or database files, not at all relevant
8	TCBnet- P2P content push	1 (compl irrelevant)	irrelevant about P2P not DOM, XML, or HTML
9	Open math libraries	1 (compl irrelevant)	not relevant about importing math objects.
10	DOM Safe XML	3 (mostly relevant)	This parses the XML file and allows writing back to it using DOM but has no ability to do this for HTML

Experiment Three

Participant first, last name: SWAPNA KOLACHINA

Block: **Green**

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

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

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	RText	4	The APIs provided are highly relevant to the project title.
2	Metis - The OpenSource Runescape Client	4	It contains all the major APIs like xmi and It is a linux based application but contains APIs for windows platform
3	VietPad	2	Contains options like only few APIs that are related to the project title. Does not contain APIs that convert given text to Vietnamese language.
4	Master Combat Control Program	1	There are no relevant APIs for the project title.

5	Jawa Digital Album Infrastructure	9	Not all the APIs are relevant to the digital album infrastructure.
6	ChatX - A LAN chat	1	There are no APIs that hold Ami.
7	Portecle	4	Contains all the APIs that are related to this project.
8	Neural Network Toolkit	4	APIs are completely relevant.
9	Ganz??a	4	APIs required for this project title are absent.
10	LogiTest	4	APIs required for this project are available & relevant.

Experiment Three

Participant first, last name: Yu Liu

Block: **Green**

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

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

It is good

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	Vox API Client	3	provide Web Service clients wrapper for the Vox bone API
2	javaPool	3	provide an object pooling or caching framework that can be easily incorporated into servlet engines.
3	YARFRAW	2	offers an unified data model in builder style to help developers to build and to read feeds.
4	Process Execution Engine	3	a Java execution engine for processes expressed in BP E L4WS-11 and related orchestration languages

5	Mylyn-Mantis Connector	2	Mantis Bug Tracker Repository Connector
6	mom4j	3	uses XML/HTTP as a transport protocol and comes with its own transactional message store
7	Navicore Java Libraries	3	a set of Open Source libs used by Navimatrix suite of products
8	Open xkms	2	a Xkms Server and a Client API to access to the Server via Web Service
9	Adaptive Cells J2EE	3	highly customizable EJB cells.
10	Java in memory JNDI context	3	configurable from xml and capable of storing any java object

Experiment Two

Participant first, last name: Min Shen.

Block: Magenta

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

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

While I was doing the search, what I did is like following.

- ~~1.~~ 1. Recognize all the required features in the task.
2. After getting the result, search ~~for~~ directly in the web page with the previously recognized features.
3. During the feature search, I would search with either the ~~name~~ of the feature, like "scroll bar" (because the class providing the functionality of a scrollbar would definitely have "scrollbar" in its name); or I would search ~~for~~ with some well-known package name, like "swing" for ~~the~~ the functionality of GUI.

Above is my way to do fine-grained feature search in the result page.

Task

① Create a GUI application that shows data in ② dynamically modifiable tables that have ③ scrollbars. These scrollbars can change their orientations in tables based on the number of rows and columns. ④

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	DB Fit	3	① Have GUI ② Show data in table ③ Does not have scrollbar
2	active record java	2	① Have GUI ② Does not show data in table. ③ Does not have scrollbar
3	Ajax JSP Tag Library	3	① Have GUI. ② Does not Show data in table ③ Does not have the scrollbar.
4	olap Navigator	3	① Have GUI. ② Show data in table. ③ Does not have scrollbar.

5	Easy Web Application Builder	3 3	① Have GUI. ② Does not Show data in table. ③ Does not have scrollbar.
6	Turtle Sport	4	① Have GUI ② Have dynamically modifiable table ③ Have scrollbar. ④ - Able to change the orientation.
7	Java Web Application Framework	3	① Have GUI. ② Does not have table ③ Have scrollbar.
8	DAO Medge	3	① Have GUI ② Does not have table. ③ Have scrollbar.
9	Db Tamer	2	① Have GUI ② Does not have table ③ Does not have scrollbar.
10	Azuki Framework	4	① Have GUI. ② Have dynamically modifiable table. ③ Have ScrollBar. ④ Able to change the orientation

Experiment Two

Participant first, last name: Obafemi Adebawale

Block: Magenta

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

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

It is good enough that the engine doesn't just analyze texts, but also structure.

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: **jlabs**

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	Spocket	2.	This project only stores passwords using a GUI. There are no performance monitoring functionalities.
2	JmsN	2.	Very strong GUI functionalities, but not a lot to do with power status data.
3	BmCalc	4.	It has a GUI with listeners that respond to user input. There are functionalities to act on, and respond based on the input received.
4	Galaxy3D	4.	Also has a strong GUI template, and has functionality for graphics.

5	Verbatim	3	Looks a lot more like text — GUI manipulations. Not a lot of graphics. Desktop app — nice
6	Scanlogs	3.	Has GUI functionalities. It also operates on input/output.
7	Contract System	4.	As a project management tool, it seems to have a lot of reporting functionality.
8	RipCalc	4.	Operates on source files, and outputs them to ripped files. Seems to have a lot of graphics using colors
9	Anal Analogy 4J	4.	Its use for analysing logging information makes it a perfect template.
10	Notenverwaltung	4 . 3	It has functionalities for analyzing input (scores) and display the average. The display is not done using Graphics, though.

Experiment Two

Participant first, last name: Walter Delevich

Block: Magenta

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

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

I don't think I quite understood the task, but
in general I felt this engine was better, who knows.

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 (completely irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Dictionary Maker	2	It is similar to affine confab, it uses sensors to detect speech and translate into a dictionary entry. but other than the gui and taking translated data and storing it, you would need considerably work to implement the task
2	Jewel Box	3	The description is poor but I think this program generates code presumably from input. It seems possible you could change the generation code to produce affine transformations
3	XOM	4	Has calls for affine transformations, in general this program seems irrelevant but a strong math functionality and the ability to store and access stored data make this a good hit
4	Bug Report Appender	3	Has no built in geom support, but does store data and sends it to tracking systems. adding the math wouldn't be too hard and perhaps the tracking system could be modified to detect similar transformations and reduce computation time.

5	Phosphor Peer to peer file sharing	3	Seems completely irrelevant, has geom functionality. The p2p part ignored, I assume it has some method for storing. This could be an alright program to adapt.
6	Geogeg	3	Seems great, has strong math functionality built in. Seems to have storage capability but the library functionality would probably have to be added.
7	Vassal	2	Seems to have functionality to store and lookup data, but hasn't the relevant math functionality
8	Custom Wizard	3	Seems like a great hit, supports mapping. Doesn't seem to have the functionality to create a library through
9	Free Guide	3	has the functionality to create a library and accept the input, but no math support.
10			

Experiment Two

Participant first, last name: Abner Cordon

Block: Magenta

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

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

⊗ This provide more API calls than
clancombined. But still it was hard to
find similarities.

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	4	
2	MicroParser- Java XML Parser	1	It is just a parser of XML.
3	JavaChecker	1	Nothing related to being a virtual machine. This program just checks code.
4	MOON	1	This program is a database manager of some sort, it is not a Virtual Machine.

5	TFN - PetriNet Simulator	1	I would give it a zero, b/c it does not have a description. But judging from APIs that both have, there is no correlation.
6	Computing with Units	2	Only similarity found where on their use of sun GUI packages.
7	Java Trait Language	1	Just incorporates traits into Java.
8	Struktur	1	Nothing about clipboard
9	Imagination tester	1	Math related project, also similar API calls are not that many.
10	Java Prolog Interopera- bility Engine	1	Math related with AI. Nothing about clipboard.

Experiment Two

Participant first, last name: RAMSI, KRISHNAN

Block: **Magenta**

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

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

Although search returned relevant matches, none of them were completely relevant.

Suggestion : Rank API calls, ignore less significant API calls to return better relevant search results.

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	JoSGL	3	Major API calls like bean calls, reflections are common to both.
2	Fourth dimension JDBC driver.	2	Although some API calls are common, this project is mostly obsolete & the last commit was about 8 years ago.
3	Loro-On sistema de programaci??n	2	Although some API calls calls are common, major API calls calls like beans, smx are exclusive to one project
4	Obj-Java version of Java	2	Very few common API calls.

5	Defectspy	2	* Major API calls like Reflections, RMI, jmx are exclusive to one project.
6	Variable Highlighter	2	* API calls like RMI, reflections, jmx are exclusive to one project
7	PLDoc	2	Domain, usage is completely irrelevant. Few API calls in common.
8	Translate ASI for ActionScript	2	Domain, usage is completely irrelevant. Few API calls in common.
9	JucaDB	2	Few API calls like Swing, math, util. ArrayList, util. Hashtable are common.
10	Zaval Java Resource Editor	2	Few API calls like javax.swing, sun.awt are common.