

# Experiment Three

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Participant id: nathan.j. Kinnee

Participant first, last name: Nathan Kinnee

Block: Yellow

Please direct your browser to [http://www.xemplar.org/search/index\\_adv.jsp](http://www.xemplar.org/search/index_adv.jsp)

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

It should display the search terms on the results page.

Also, perhaps more columns: rank for each result,  
# of downloads from SF.net,  
download file size?



# Task

Find applications that use glyph painting facilities to enable users to deal with a range of viewing options. The goal is to reuse found applications to create visual presentation of texts and fonts, some of which are foreign.

## Results

Please specify what keywords you used in your query: *glyph display fonts*

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Waba for Dos	2	One class for Fonts, does not appear useful
2	Transcoding	1	No files
3	Brahmi - Indic Input Methods	2	Displays a foreign font
4	Double Type	4	Builds fonts

5	JFont Tools	2	Seems to mostly work with existing fonts
6	TTFEdit	4	Font + vector-based glyph editor
7	Sardak Look and Feel	4	GUL Creator
8	J2ME Micro Font	4	
9	A Bitmap Font Creator	2	Don't know enough about glyphs to know if bitmap fonts are useful or not
10	McBilliards	4	

# Task

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

## Results

Please specify what keywords you used in your query: *virtual machine clipboard*

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	C# Java Virtual Machine	1	Not in Java
2	The Java Virtual Machine	<del>1</del> 1	Did not get source files
3	Nexopen	2	Implements a VM
4	Clipboard share	3	Has clipboard sharing that could be applied to a JVM

5	SBN Virtual Machine	1	Not Java
6	Compiler and Virtual Machine for PLG	1	Not Java
7	Robust Java Virtual Machine	<del>1</del> 1	No files
8	Ewe Virtual Machine	2	Designed for mobile devices
9	<del>UML</del> UML Virtual Machine	2	Designed to "run" UML diagrams
10	<del>Virtual Machine</del> PJOS	2	May have clipboard available

# Task

Parse a Java source file and output the abstract syntax tree (AST). Allow the user to traverse and modify the AST with a graphical interface.

## Results

Please specify what keywords you used in your query: *abstract syntax tree*

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	MAYA in Java	4	Graphics software
2	Tree Editor for Java	4	Meets all req's
3	AST Reproduce	3	
4	FAST SDK	<del>4</del> 4	For flowcharts

5	Syndiff	2	Parses java source for differences
6	Code Sounding	4	Creates sounds
7	Javast	2	Outputs in text, not GUI
8	ASTCentric	2	Creates ASTs directly
9	TreeForm Syntax Tree Drawing Software	4	For linguistic trees
10	TreeDL	2	



# Task

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

## Results

Please specify what keywords you used in your query: data grid scroll

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 Light Grid Control	4	
2	Scroll Rack	4	
3	Jeppers	4	
4	IoguiGrid AJAX data grid Control	3	

5	Instrument Element	3	
6	Java Ocean Grid	3	
7	DDGP Grid Platform	2	
8	Mixed Media Grid	2	
9	jMap Editor	4	
10	Integrasoft Grid Fabric	4	

# Task

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Implement a library for checking XPath expressions. The checker should support compiling XPath expressions, evaluating XPath expressions in the context of the specified XML document and returning the results as the specified type.

## Results

Please specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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## Experiment Two

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Participant id: Nathan, J. Kinnee

Participant first, last name: Nathan Kinnee

Block: Yellow

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

Login name: xemplar

Password: exemplar2009

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

During this exercise, I mostly stopped downloading the source files because it took too long to download and then navigate through. I aimed to do more searches and a higher-level evaluation of the results. I definitely missed the report within Exemplar that displays the matching API methods/calls. I found better results in this experiment than in the previous one, but I think that's to be expected based on the topics being searched for.



# Task

Create an application that loads and parses HTML documents and creates a DOM tree. The application should traverse the tree, retrieving the values of the HTML attributes and elements en route. In addition, the application should enable users to create and modify HTML documents by changing the DOM tree directly.

## Results

Please specify what keywords you used in your query: *parse Html dom modify*

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	<i>Shani xml parser</i>	<i>3</i>	<i>Can't find any info about modifying HTML documents</i>
2	<i>JTidy</i>	<i>4</i>	<i>Appears to meet all the criteria I was looking for</i>
3	<i>Jsel</i>	<i>2</i>	<i>Could not find coherent description of app. Source was hard to navigate.</i>
4	<i>HTML Parser</i>	<i>4</i>	<i>Meets all criteria</i>

5	Jolene	4	Meets all criteria
6	Domlet4j	?	Appears to be duplicate of #5
7	Cyber Neko HTML Parser	3	Most criteria
8	Java HTML Parser	3	Most criteria
9	Jivan Web HTML presentation Technology	4	All criteria
10	The Hg HTML Generation Library	3	Most criteria

# Task

Find an application that uses JavaBeans which uses the bound indexed property to determine property change in this application bean. The application should display some text in its GUI.

## Results

Please specify what keywords you used in your query: bound indexed property javabeans

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3 (mostly relevant), 2 (most irrelevant), 1 (compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Property Mapper	4	Seems to meet all req's
2	Navel JavaBean Introspection Tools	3	Not clear if there is a GUI aspect
3	Swing property binding	1	No Files
4	jpropeller	<del>2</del> 1	Alternative to desired solution No files
5			

	Application Property server	1	No files
6	Jbarcode Bean Barcode	1	
7	jbeanmapper	1	
8	Java Property Objects	1	
9	Configora	1	
10	proper Edit I18N Property Editor	1	



# Task

Implement an application that performs pattern matching operations on a character sequences in the input text files. The application should support iterating through the found sequences that match the pattern. In addition, the application should support replacing every subsequence of the input sequence that matches the pattern with the given replacement string.

## Results

Please specify what keywords you used in your query: *text pattern match iterate*

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	ontea	4	
2	Graph Spider MPL	1	Looked promising; no files
3	JFun	3	Not clear whether it supports replacing
4	Tolk	2	File input, filtering, not clear what else

5	Pattern Sandbox	4	Appears to meet all req's
6	Info Studenten Probleme	4	" "
7	Silkworm	<del>100</del> 1	Text generator
8	Java Match Match Engine	2	Searches for objects; not clear whether that includes text strings
9	Flywheel	1	script engine
10	Double Leg	1	wrestling team stats?!

# 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 what keywords you used in your query: *midi transmit receive*

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 Messaging API for Nagios	1	No Files
2	MIDI Rules	4	Seems to meet all req's
3	Ringtone MIDI Tools	1	No Files
4	Blink	1	No Files

5	Clips	2	Creates MIDI Files
6	USB - VIRTJ	2	unclear features
7	MIDI Agent System	1	No Files
8	XML Generic Object Server	1	No Files
9	Java MIDI Concerto Suite	2	Unclear features
10	Sound Helix	1	No Files

# Task

Implement a library for handling security permissions in a database. The library should support creation of permissions, retrieval and checking permissions by clients, setting system-wide security permissions, retrieval of security permissions with the specified key, adding and removing providers and clients for various permissions.

## Results

Please specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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# Experiment One

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Participant id: *nathan.j. kinnee*

Participant first, last name: *Nathan Kinnee*

Block: **Yellow**

Please direct your browser to [http://www.xemplar.org/search/index\\_new.jsp](http://www.xemplar.org/search/index_new.jsp)

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



# Task

Create an application for sharing, viewing, and exploring large data sets that are encoded using MIME. The data sets may represent blogs or genome sequences. The data can be stored using key value pairs. The application should support retrieving data items by mapping keys to values.

## Results

Please specify what keywords you used in your query: data set mime map

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	iReport - Designer For Jasper Reports	2	(no filenames listed in exemplar results) Same as #2 ↓
2	Mime-dir and vCard Java API	2	No results page - so I did not have time to dig through all the source files
3	Granite Data services	4	
4	<del>Advanced Java Collections</del> Micro Nova YUZU	4	It is only a JSP tag library

5	Advanced Java Collections	<del>4</del> 3	Lots of map classes, operations No MIME
6	Bloodhound	2	Possibly applicable, but overall purpose of project was too different for me to consider at this point
7	JIBS	3	Image handling could be <del>app</del> adapted for this purpose
8	Java Layered Frameworks	3	Lots of map classes But no MIME
9	CS 286r	1	Uses neural nets
10	Street Map	1	Different kind of map



# Task

Implement a library to support an affine transformation between vector spaces (i.e., affine vector spaces) using linear transformations (rotation, scaling or shear) and translations (shift).

## Results

Please specify what keywords you used in your query: *vector linear transformation translation*

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Java Cardio Pulmonary Simulations	4	Medical app
2	GeoServer	<del>3</del> 2	Appears to only do a bit of a basic linear transformation
3	Open SVG Viewer	3	Looks interesting, but appears targeted to mobile devices
4	WSML2 Reasoner	4	Reasoning engine

5	HTML Parser	4	
6	TTF Edit	2	Looks like very basic transformation on icons
7	Global Circle Lesson Builder	4	
8	Linear AI	4	Quantum computing
9	Simple Vector Library	4	Great - but Pascal, not Java
10	Context fabric	4	Has very relevant + classes identified by the APIs

# Task

Develop a universal sound and voice system that allows users to talk, record audio, and play MIDI records. Users should be able to open source connections with each other and communicate. A GUI should enable users to save conversations and replay sounds.

## Results

Please specify what keywords you used in your query: audio play record midi

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Rasmus DSP	4	
2	Audio Development System	4	
3	Java Sound Player and Recorder	3	
4	MIDI Keyboard Coach	2	

5	MyDi Piano Tutor	4	
6	Java MIDI Player	4	
7	J Midi Tools	3	
8	RPitch	3	
9	Music and Audio Retrieval Tools	4	
10	Krnt Computer Recorder	4	

# Task

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Implement a library for representing and manipulating with BigDecimal numbers. A BigDecimal consists of an arbitrary precision integer unscaled value and a 32-bit integer scale. If zero or positive, the scale is the number of digits to the right of the decimal point. If negative, the unscaled value of the number is multiplied by ten to the power of the negation of the scale. The value of the number represented by the BigDecimal is therefore  $(\text{unscaledValue} \times 10^{-\text{scale}})$ .

## Results

Please specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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# Task

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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 specify what keywords you used in your query:

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)
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