

# Experiment Three

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Participant id: hsubra2@uic.edu

Participant first, last name: HARIHARAN SUBRAMANIAN

Block: Yellow

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

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# 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 painting to create visual presentation*

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>The Jazilla Project</i>	<i>2</i>	<i>not much relevance to search</i>
2	<i>DrawSWF</i>	<i>3</i>	
3	<i>TekMath</i>	<i>4</i>	
4	<i>Image restoration and inpainting</i>	<i>4</i>	

5	Bio Geo Tools : Biogeography Tools	4	
6	Hippopotam Java Presentation Layer	4	
7	Sandbox Pix	2	
8	SWT Swing	4	No relevance to search
9	McBilliards	4	No relevance to search
10	ThinLet	4	No relevance to search

# 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: *lightweight virtual machine*  
*data transfer using 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	Waba for DOS	2	
2	The Aegis VM Project	2	
3	ZPlet : A-2 Machine for Java	3	
4	CH Java Virtual Machine	4	

5	JSecure Tunneling	4	
6	JClipShare	3	this application is used to transfer the clipboard to other PC through the network
7	JClipShare ZNet: BLOB fork of a Z-machine	4	
8	JPlus	4	
9	HttpTest	2	it is a data transfer time measurement tool.
10	Java Profiling Tool	4	

# 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: *parse java source create 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	<i>classgen</i>	<i>3</i>	<i>Number of relevant API calls</i>
2	<i>Javast</i>	<i>3</i>	<i>matches the search criteria</i>
3	<i>ROBIN</i>	<i>2</i>	
4	<i>Java Trait Language</i>	<i>1</i>	

5	Joost STX processor	1	
6	MicroParser- Java XML parser	4	
7	struktor	4	
8	VTD-XML: -et	1	
9	NiceXSL	4	
10	Javachecker	4	



# 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: *Creating tables with scrollbars*

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>epoline??</i> <i>PHOENIX</i>	<i>3</i>	<i>use a number of classes like JTable, JScrollBar and JScrollPane</i>
2	<i>XNap</i> <i>commons -</i> <i>Java utility</i> <i>library</i>	<i>2</i>	<i>a few API calls related to tables and scrollbars</i>
3	<i>Greentag</i>	<i>2</i>	<i>a few code snippets can be reused</i>
4	<i>jetleap</i>	<i>2</i>	<i>not entirely relevant</i>

5	ducane Groupware	2	
6	PHtools	2	
7	Jawa Universal Distributed Game Engine	2	
8	Athena Flashcard Manager	1	no reusable code for project
9	Jameleon	1	no reusable code for project
10	wlfixp	2	Some code snippets can be reused

# 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 specify what keywords you used in your query: *compiling evaluating xpath expressions*

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	Micro XQuery Engine	3	APIs related to XPath used
2	XML docs from xpath and its data	3	
3	PsychoPath	3	APIs related to XPath used
4	Clover ETL	2	

5	jEpi	3	
6	Compass	2	
7	XML-Prefilter	2	
8	Objex	2	
9	DeepArc	2	
10	Wsmoltj	2	

# Experiment One

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Participant id: hsubra2@uic.edu, UIN: 664400516

Participant first, last name: HARIHARAN SUBRAMANIAN

Block: Yellow

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# 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: *retrieving blog genome datasets MIME datasets MIME blog genome sequence key value pairs*

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	CSBTool	2	more to do with generating cryptographic key-pairs than an application for MIME datasets
2	Java MIME Magic Library	2	
3	Stentel: An RCP based Password Manager	4	
4	BLODAP	3	facility to explore genomic data sets, handling large genomic data sets

5	Groundwork Foundation	2	Most of the main features of this project are related to web services.
6	Mime-Dir and vCard Java API	3	This application provides a directory information based on vcard for electronic business. Using MIMEContent-type
7	DLog4J	2	This application is a multi-database blog software.
8	Java Kiss	2	not many relevant APIs
9	blog4som	3	This is a multi-user, multi-blog package. Some APIs can be reused.
10	WikiD Strong Authentication System	4	



# Task

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

## Results

Please specify what keywords you used in your query: *affine transformation using 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	The Jazilla Project	4	a number of APIs related to Affine Transformation have been used some of which can be reused
2	Atomic Forums Wrapper	<del>4</del> 3	a few code snippets related to scaling and shearing have been used.
3	Java Cardio Pulmonary Simulations	3	Some relevant API calls have been used in this project that are related to affine transformation between vector spaces.
4	The Jump Pilot Project	4	a number of relevant code snippets and API calls including Affine Transformation plugins.

5	WSML2 Reasoner	2	Have used transformation algorithm
6	GeoServer	3	
7	jGridShift	3	related to transformation of geographical coordinate
8	HTML Parser	2	
9	Sf3Jswing: 2D fighting game	2	
10	Groove	2	Graph and model transformations

# 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:

universal sound and voice system 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	Tritonus	3	a few relevant API calls are used
2	Fluid GUI	3	uses MIDI and SoundFont specifications.
3	GPA	2	
4	Code Sounding	3	Java APIs to play sound and MIDI records.

5	Nepali Voice Synthesis	3	
6	Equip	4	
7	Voice messages Manager	4	
8	Bombman JA	3	
9	EXYMEN	4	
10	RPitch	4	

# Experiment Two

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Participant id: hsubra2@uic.edu

Participant first, last name: HARIHARAN SUBRAMANIAN

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

the search tool in sourceforge mostly searches for project titles that closely match the query strings. One of the tasks related to janbeant returned mostly irrelevant results from sourceforge.



# 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 document create Dom tree*

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Jivan Web HTML Presentation Technology	4	The application contains many code snippets that can be reused and matches the search query
2	TeXConverter	2	parses Latex input and represents the document in other formats
3	ShaniXml Parser	3	can be used to parse xml / HTML DOM.
4	Domlet 4j	4	This is a toolkit which provides a DOM of HTML documents. code snippets can be reused.

5	jolene	4	This is also a toolkit which converts HTML documents to Dom .
6	Jaxe	2	not many relevant features that can be reused
7	aCodeGen	2	
8	java.sql. ResultSet Dom Wrapper	2	only few remotely relevant code
9	Simple XML Mailer	2	
10	Oracle Statspack Report Analyzer	1	No relevance



# 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: *determine property change in java beans using bound indexed property*

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	Naval Java Bean Introspection Tools	2	
2	Application Property Scanner	1	
3	proper Edit I18N Property Editor	1	
4	baraza	1	
5			

5	Dynamic Configuration Toolkit	1	
6	j2eeApp check	1	
7	Configora	1	
8	Mundo4J- 118N Property Editor	1	
9	Eclipse Property File GUI Editor plugin	1	
10	Shark- Java preprocessor	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: *regex pattern matching iteration*  
*subsequence replacement*

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>jregex: automat. based regex api for Java</i>	<i>3</i>	<i>a number of relevant code snippets and API calls.</i>
2	<i>ontea</i>	<i>3</i>	<i>code relevant to pattern matching can be viewed</i>
3	<i>Recursive Search and Replace</i>	<i>4</i>	<i>the application matches the search query. a number of relevant code snippets present.</i>
4	<i>Pattern Sandbox</i>	<i>3</i>	<i>can be used for pattern matching</i>

5	GraphSpicy MPL	3	can be used for pattern matching
6	GXPARSE:	2	
7	xml-ezparse	2	contains XML parsing API and pattern matching
8	ELite	2	
9	Search Desktop	2	
10	Aikernel	2	

# 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: *synthesizer midi transmitter receiver*

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>Sky Synthesizer</i>	<i>3</i>	<i>Somewhat relevant to search</i>
2	<i>RasmuDSP</i>	<i>3</i>	
3	<i>Fluid GUI</i>	<i>3</i>	<i>A gui based software synthesizer based on MIDI</i>
4	<i>JSynthLib</i>	<i>3</i>	

5	JD x 7	2	
6	harmonic synthesizer	2	
7	Transmitter locator	1	
8	LINUX MIDI SID SYNTHESIZER	2	
9	MIDI Rules	2	
10	Pitch Patch	1	

# Experiment Three

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Participant id: bradley . n. sokola

Participant first, last name: Brad Sokola

Block: **Green**

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# 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 font viewer

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	Opcion Font Viewer	2	Some general logic for dealing with fonts, but not much specific to the task.
2	Waba for Dos	1	Sounds like it's more of a communications utility (tcp-tp)
3	Font Viewer	2	Simple font related logic, but nothing related to glyph painting
4	The Tazilla Project	2	<del>Rendering logic</del> Rendering logic may have some potential for reuse, but not much else.

5	JPKI Font Chooser	<u>1</u>	
6	Draw SWF	<u>1</u>	
7	McBillions	<u>1</u>	
8	FontBox	<u>2</u>	Some font & glyph related code that may be re-usable.
9	RSS Viewer	<u>1</u>	
10	xml vi viewer	<u>1</u>	

# Task

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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:

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			
2			
3			
4			

5			
6			
7			
8			
9			
10			

# 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:

java abstract syntax tree generator

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	classgen	2	useful parser, not much else
2	MAYA in Java	2	Contains re-usable parsing logic
3	Code Sounding	1	unrelated ↳ generates music from source code
4	JavaST	3	useful for parsing Java to AST, but no GUI for traversal

5	Java Trait Language	2	some parsing may be able to be re-used
6	Struktur	1	
7	NiceXSL	1-2	very basic parsing
8	Dynagraph Sor Grappa	1	
9	VTD-XML	1	
10	Java Checker	<del>1</del> 2	some <del>xml</del> basic parsing

# 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:

Spread sheet

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	Bean Sheet	3-4	Looks very promising ; screenshots show dynam. rows, columns & scrollbar
2	JWorksheet	3	
3	Mp3dlings	2	<del>Not relevant</del> Very different, but could maybe re-purpose some of it
4	Free Query Bulk	1	

5	GPP General Purpose Proxy	1	
6	San netunk Bran	1	
7	SWT Suly	1	
8	jNotes	1	
9	Web Librarian	1	
10	AK Web Dyn Design	1	



# 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 specify what keywords you used in your query:

XPath expression

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	XML documents from XPath and it's data	4	Relevant XPath expression & processing classes
2	JBIncl	2	
3	Nuim BDI Agent Engine	1	
4	System J Translator	1	

5	Jivan Web HTML Presentation Technology	2	
6	PDDL4J	1	
7	Psycho Path	3-4	XPath process
8	xmlgen	2	minimal XPath related code
9	WSM4J	<u>1</u>	
10	JEP Java Math Expression Parser	1	

# 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 specify what keywords you used in your query:

power usage monitor

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Linux Monitor Server and JClient	2	<del>Linux</del> monitor (server, CPU, memory) may be able to adapt parts
2	CroftSalt Code Library	1	
3	<del>MultiTAP</del> MultiTAP	<del>1</del> 1	
4	<del>Key Frog</del> Key Frog	<del>2</del> 2	Some monitoring/usage logic may be usable, but keyboard monitoring is very different.

5	<del>Spring</del> Spring Dash board	<u>1</u>	
6	<del>sys</del> sys spread	<u>1</u>	
7	<del>Image</del> <del>Image</del> <del>Image</del> ER/Box	<u>1</u>	
8	WIKIP Strong Authentic Sys h	<u>1</u>	
9	Image restack and input	<u>1</u>	
10	Er Inspect	<u>1</u>	