

Experiment Two

Participant id: Varun. Kaushal

Participant first, last name: Varun Kaushal

Block: **Green**

Please direct your browser to http://www.xemplar.org/search/index_adv.jsp

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

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:

DOM tree , HTML parser

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Jivan Web HTML Presentation Technology	3-4	parses HTML into DOM tree. ability to dynamically modify base document after DOM generation.
2	Jtidy	3-4	parses HTML with capability to parse into DOM structures.
3	Its Nat, Natural AJAX Framework	2	mostly irrelevant. contains some HTML parsing capability.
4	Barracuda MVC Presentation Framework	2	Contains DOM templating. not too much structure to HTML interaction.

5	HTML Parser	2-3	provides simple HTML transformations into many formats. parsing capability can be useful.
6	DOM Unit	2	uses DOM parser to XML
7	Marks Human Rights Bulletin System	4	is related to HTML parsing.
8	Shani XML Parser	2 mg	parses XML, DOM HTML, provides no good conversion but more tag interfaces
9	HTML Strip	2	HTML tag cleaner, mostly useless, tag identification could be useful.
10	X to XML	2	translates anything into XML. might be useful as as a conversion tool.

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:

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	J Bean VAM	3	create Beans through visual GUI.
2	Impless Bean	2-3	Java Bean Generator
3	Simple EJB Generator	2-3	Java Bean Generator
4	Beans personal financial manager	4	Javarelated to the bound feature of many beans
5			

	Jana Database Beans	4	Database Access through Beans.
6	JSP Bean	2	web based bean creation through forms
7	JSP Bean/Init	2	create new Beans for JSP JSP representation
8	Bean Validator	2	validation framework, could use bounding on beans
9	Jox	4	convert XML to beans
10	Indy J	4	beans used for internet protocols and communication.

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:

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

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)
1			
2			
3			
4			

5			
6			
7			
8			
9			
10			

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: sound generator, synthesizer

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3 (mostly relevant), 2 (most irrelevant), 1 (compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Java Sound Resources	3	contains many calls to sound byte recording / recognition / playback.
2	Beats by Design	3	auto playing drum program with AI, can be modified to generate notes.
3	Synth Lab Sound Synthesis	3	GUI based multi-sound generator / output, can be ported for basic synthesis.
4	DISSCO	1 3	music composition and synthesis program.

5	SoundQ	2	sound effect playback, handles sound output, useful for speaker interaction/sound buffer communication.
6	Acoustic Memory	1	memory game with sound, unrelated.
7	MyDi - Piano Tutor	2	notes can be generated using basic sounds from piano keys.
8	Chord 4.0	4	formatting music sheets for guitar.
9	Micro Emulator	4	Browser applet applications.
10	Jamasynth	2	can be used to make an entire audio system. sound generation still not usable.

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 specify what keywords you used in your query: JVM monitor, performance 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	JAMon API	2	Scalable performance monitor for web pages, database accesses and time consumption.
2	Nyx Real time Network Monitor	2	Realtime network monitoring utility
3	IP Monitor	1	ip address monitor. fairly basic.
4	Mobi Mon Mobile System Monitoring	2	general system status monitor ported for mobile phones

5	Mars Network Monitor	1	Network monitoring tool
6	basher	2	thread based performance testing tool
7	TransJVM	2	compiler assistance classes on top of existing JVM.
8	Assembler JVM	2	custom compiler for assembler classes
9	Jelative JVM	2	custom JVM using Device Configurations
10	JTimeIt	2	performance and time monitoring for run tests and classes

Experiment Three

Participant id: Varun, Kaushal

Participant first, last name: Varun Kaushal

Block: **Green**

Please direct your browser to http://www.xemplar.org/search/index_new.jsp

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

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:

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

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:

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	TreeDL	3	translates Trees to descriptive languages.
2	Open ASN.1	2	development kit for AS notation.
3	class gen	3	creates AST from class structures
4	Model4Lang	2	converts converts AST to framework model.

5	Java Abstract modeler	2	frame applet to visualize objects, might have good conversion for AST.
6	Maple Tree	4	graphical representation of biological genes. are related
7	Language Syntax Diagram Library	2	Syntax diagram generation of Java classes
8	Core ASM	1	generation of Abstract State Machines. unrelated
9	XML Graphical Java Tree	1	Graphical display of XML tree. unrelated.
10	Abstract Var Interface Toolkit	4	generates abstraction layers in any application

Task

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

Results

Please specify what keywords you used in your query: table sheets, excel sheets

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 Sheet	3	allows excel spreadsheets to display realtime in web frames.
2	My JTable	3 4	Java frame table extension to look like spreadsheets
3	Clean sheets	3 4	spreadsheet GUI application that stands alone.
4	ZK Spreadsheet	3	spreadsheet component which can be imbedded into web applications.

5	Jtime Tracker	2	provides time stats in spreadsheet style format
6	Bean Sheet	3	Java bean spreadsheet, can be joined with other applications
7	JWorksheet	2	time tracker in spreadsheet format. formatting could be useful.
8	Jxls	2	export data to excel
9	Jworkbook	2	export data to generic spreadsheet format
10	Tiny Sam	4	outputs tables and trees to multiple formats. correlated.

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 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	<i>Xpath over XML Schema</i>	<i>3-4</i>	<i>evaluates XPATH expressions over XML definitions. is Can be modified to also fully evaluate all XPath expressions.</i>
2	<i>Psyco Path</i>	<i>3-4</i>	<i>Full XPath expression parser & processor.</i>
3	<i>worken. xpath</i>	<i>2-3</i>	<i>Xpath to DOM4J recognition. parsing of XPath is useful</i>
4	<i>Base X</i>	<i>2-3</i>	<i>XML database with XPath support. Structures are useful if broken down to base points.</i>

5	Mini-xpath processor for J2Me	3	homemade xpath processor made for use with mobile devices, useful implementations.
6	Xpath Executor	3-4	parses / breaks down Xpath expressions with full understanding
7	Spex	3	process and evaluate Xpath queries & statements.
8	jaxen	3	Xpath engine capable of reading expressions against XML objects
9	Phoenix information extraction	2	xml engine which also supports xpath expressions.
10	xmlgen	2	capable of parsing/processing xpath expressions.

Task

Implement a simple drag and drop manager. The manager should specify when and how a drag gesture may occur and implement a set of handlers that shall be invoked in order to cause processing of the user's navigational gestures. The manager should also define and implement drag and drop protocol notifications. The drag and drop manager shall permit only one drag and drop operation at a time and shall reject any further drag and drop requests until the extant operation is complete.

Results

Please specify what keywords you used in your query: mouse gestures, drag & drop GUI

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	Mouse Gestures	3	mouse movement recognition software. listeners for mouse can trigger keyboard and menu commands
2	IDEA Mouse Gestures	3	IDE version of mouse gestures. capable of monitoring and listening for common mouse movements
3	Swing Gestures	3	Swing extension allowing recognition of mouse gestures.

4	Drag and Drop install development system	2	Create executable files. ### Done through Drag & D Reature which can be stripped out for external use
5	Jplex- Java GUI for mplex	2	java base gui for audio and video. files
6	Wi. Ser Widget Server	2	Server side framework that allows many types of GUI applications, SWING, AJAX,...
7	AJ Hot Draw	2	graphics framework, only specialize in 2-D
8	Jude	1	data mangement development. on related to Mouse gestures
9	J3D Work bench	### 2	visualization, design, authoring tool.
10	Easy Layout, Manager for Java	2	basic grid based layout designer.

Experiment One

Participant id: Varun. Kaushal

Participant first, last name: Varun Kaushal

Block: Green

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

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: MIME encoding, decoding, hash tables

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	Mime type Detection Utility	2 3	Contains many calls to recognize and possibly manipulate MIME encoded files/data sets.
2	Java Mime Magic Library	3	Contains calls to identify MIME filetypes and data streams. Also uses hash features to store and retrieve data by key values.
3	MIM4J	4 3	Can parse MIME encoded message streams. Low level parser with reading capabilities. Can be modified to create outgoing streams.
4	Jfile	2	Simple MIME file type detector unsure of full read/write capability

5	MIME- Dir and vCard Java API	3	ability to expose and create MIME type files/directories
6	Jwebmail	1-2	mail client that happens to use MIME messages
7	Janitor	2 2	uses key encryption and MIME type authentication
8	Oracle J- utils	1	specific only oracle data blob parser. mostly proprietary.
9	postea	1-2	email web client with S/MIME support.
10	regular expression web replication	1-2	page parser that support the use of MIME typed streams.

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: *linear transformations*

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	JLinAlg	3	provides basic linear algebra operations that can be used to perform translations/transformations
2	Linalg	3	provides basic algebra/matrix operations that can be at adapted to perform necessary operations.
3	Jamato	2	Contains some MATLAB matrix map manipulation/functionality.
4	DC Raw4J	1	RAW image file converter

5	Linear Algebra Class Library	3	Library of useful operations which can be used to perform transformations
6	Java Linear Algebra Library	3	Library of useful operations which can be used to perform transformations
7	esmooth	1	models / transforms Finite State Machines
8	ngrace	1	design / concept organizer / transformer
9	Actuarial Lab	2	may contain useful / mathematic function calls.
10	byte bizarre	1	modify / transform style sheets.

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: Voice chat, MIDI Audio

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	Mooch	2-3 2-3	has chat features, all voice communication is done through streams. might be useful for network connections
2	Hec Meeting	2-3	dedicated voice client over network connections.
3	Radi 8 Communication	2 BB	designed as text based chat, voice support may be useful. network packet handling could be useful
4	Web Moderated Voice Chat	1 1	little sounds promising. no useable code at all

5	Mc2 Java Multi Cast Chat	3	usefull network code for direct connections along with audio streams.
6	VoIM- Jabber text and Voice IM client	2-3	standard chat, ability to send audio as closed messages, Useful as file transfer example.
7	Pro tux Digital Media Workstation	1	promising description. no usable content
8	Music and Audio Retreaval tools	3	ability to load/handle multiple audio types.
9	Audio Development System	3	provides audio recording and play back.
10	JPlayer	3	allows local playback of many audio types. Can be used in conjunction with other Software for recording.

Task

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

Results

Please specify what keywords you used in your query:

Big Decimal ~~manipulator~~ manipulator

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	Big Numbers	3	manipulates Big Decimal and provides all arithmetic functions
2	jExigo-Fixed Decimal Arithmetic	3	useful math functions for decimal numbers
3	Big Calculator	3	manip performs math functions on large numbers
4	Decimal Floating Point Library	2-3	atth can be modified to simulate Big Decimals

5	2Decimal Java	2	works with decimal numbers and packing.
6	Java Number Base Converter	1-2	if simulated decimals were need, this could be used to change change base. otherwise useless for normal math.
7			
8			
9			
10			

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 specify what keywords you used in your query: zip file, archive editor

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	Zip Code Finder	1	completely unrelated to zip files
2	Eclipse Zip Editor	2-3	proprietary plugin to modify/view archives, only for eclipse, may not be too useful on a general scale.
3	Zip ME	3	basic compression library. useful for for creating archives.
4	JarSpy- Archive Spying tool	2-3	allows viewing and some manipulation of many archive formats. including zip.

5	7-zip-Jbinding	2	Wrapper for existing archive library. mostly repetitive, few calls might be useful.
6	Jar Wizard a Java Archive Utility	2 3	GUI based archive manipulators several calls are useful. UI interface also useful.
7	JAER	1	the address event representation . unrelated.
8	Jarchive	3	Eclipse based archive tool Useful for many formats.
9	Easy Backup	2	Creates backups in zip format. File output might be useful, but mostly unrelated.
10	Jar plug	2 2-3	Eclipse plugin that allows archive modification. Can be ported to zip archives.