

Experiment Two

Participant id: *justin.m.gates*

Participant first, last name: *Justin Gates*

Block: **Magenta**

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

No new comments since last activity. It went about the same.

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: *HTML DOM tree, create, traverse, 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>ICE Protocol Reference Jam Code</i>	<i>4</i>	<i>Has a large number of examples using a DOM tree to find HTML Docs. More examples involve HTML attributes than traversing the tree.</i>
2	<i>Jivan web HTML Presentation Technology</i>	<i>4</i>	<i>Includes a DOM Tree as well as HTML editing of dynamic data. It can be directly used with little editing.</i>
3	<i>Disk DOM</i>	<i>X 3</i>	<i>Contains an innovation that can be used to create large DOM trees. It might be useful although not explicit in the req'ments.</i>
4	<i>computation tree</i>	<i>1</i>	<i>poor, short description and no files</i>

5	Tree Editor for Java	1	Is on a Java code tree; Plus, no files.
6	XML/ XSLT Web Traverse	1	This app only parses web dirs to transv xml to xslt.
7	Streaming XML - DOM event processing	2	Includes some DOM techniques but is meant to be a middle ground approach btw SAX & DOM. Plus it is not for parsing HTML, but XML.
8	Bagkit Tag Print	1	No files, although it is for a DOM serialization library.
9	Bean LDOM	2	It's simply a Java Bean package that has a DOM interfaces. Might still be a good example, though.
10	JPostIt	1	Entirely irrelevant. For managing PostIt notes across multiple machines.

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:

JavaBeans, bound indexed property, text display

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	epoline?? PHOENIX	3	It only has indexed property change event APIs. Also has other APIs for displaying text.
2	Java Lite	3	Contains the same APIs as Project #1. Could still be useful in the way they are called.
3	Java Property Explorer	1	No files. Besides, it's only a graphical component.
4	Internal Chat (Int Chat)	2	Only has the same indexed property change event seen before. Nothing else is relevant.
5			

	JLameo	2	Is most relevant for highly functional GUI development, which is beyond our needs. Has an interesting interesting get Property Type API. that
6	Jpropeller	1	No files. Nothing to do w Java Beans anyway.
7	Swing property binding	1	No files. Has property binding, but can't be used.
8	JSoccor-Lab	2	It's all java swing, but has more functional text APIs. Would be useful for the GUI.
9	BSGZ:P	2 2	Same IndexedPropertyChangeEvent API as before. Has a lot of GUI APIs, but more than we need.
10	Java Application Framework / GUI Editor	4	Deals directly with the IndexedPropertyDescriptor API and building GUIs. Again, the GUI seems more highly functional than we need.

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: *Find and Replace, pattern matching character ^{strings} sequences, input text files*

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>Greotag dub</i>	<i>X 3</i>	<i>There are no API's that seem relevant. None of the key words are even even in the description. Has a Matcher API, but nothing more.</i>
2	<i>Demonator jFileCrypt</i>	<i>X 2</i>	<i>It has Same Matcher API. But nothing else relevant.</i>
3	<i>Bomberman JA (Just Another on Java)</i>	<i>2</i>	<i>Has one API call, getTextLength. This could be useful, but it is all that's provided.</i>
4	<i>JCameo</i>	<i>B 2</i>	<i>Has the same getTextLength API in a few examples. But is still not what we need.</i>

5	Light-Weight Visual Components Library	2	More examples of <code>getTextLength</code> , but nothing more matches anything from our search.
6	MindTree Insight	2 1	Has a <code>matchString</code> function, but it is all for the <code>SimpleDateFormat</code> . This is not really what we need.
7	Dementor	1	More simple date format API calls, which is not what we're looking for.
8	Get Fgrep	4	Finally a string matching appl. Although it is for directories does not do replacing. It is on Source Forge and files are not identified.
9	Idon Framework	1	Just more <code>SimpleDateFormat</code> . Nothing relevant.
10	DeepArc	1	No relevant API calls, even though many APIs are listed.

Experiment One

Participant id: *justin.m.gates*

Participant first, last name: *Justin Gates*

Block: **Magenta**

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

Searches seemed hit or miss, either relevant hits would be apparent immediately or all 10 would be mostly ~~at~~ irrelevant.

It's always frustrating to have a great description but then no source code!

Was glad to see that some hits were initial framework types. This helps to not 'reinvent wheels'.

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 encoded, search Key value pairs, large data set*

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 Doc	2	Has 5 files to do w/ MIME, but nothing else. Plus, the project is only a 'Proof of Concept' release.
2	Resource Bundle Helper	1 (one)	Only a description that links to SourceForge. No files were present on SourceForge, but the description was relevant.
3	FreeMetrics	3 1	Has a large set of search/filter functions. However, no source code in SourceForge.
4	XProps	1	Matched on Key/value pairs, but no files in SourceForge.

5	Global- Environ- ment	2	Provides globally shared key/value pairs. However, doesn't look like source code is accessible.
6	Extended Root Tree	2	Has some search functions, but is only useable as a foundation to build more spere specific functions.
7	xBus	2	Has 2 files and MIME encoding. Nothing else applies to the search.
8	J2EE For All	3	Provides a high-level J2EE framework w many MIME files examples. Good foundation.
9	Scenery Manager	2	Has 1 file for MIME Type. Otherwise, nothing else relevant. Could help with sharing/viewing.
10	teamwork	2	More MIME Type examples, but nothing else relevant. The app. des doesn't have the functionalities we're searching for.

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 vector spaces, 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 Carleton-Pulmonary SIMulations	4	Has many APIs for affine transformations. These could be used directly as-is.
2	The JUMP Pilot Project	3	Uses the same affine transfr API call many times. Code could be useable but not highly functional.
3	GeoServer	3 2	More affine transfr APIs, but not highly functional. App. has more to do in being an web service than anything else.
4	Open SVG Viewer	2	Has a large number of affine transfr examples, but it is for transfr optimizing the screen to be drawn on a Pocket PC.

5	jMapEditor	1	Only has one example of an affine transfr and it is irrelevant. It is only to get a scale instance.
6	Global Circle Lesson Builder	1	Has a few examples used in dragging and dropping. Nothing relevant to vector spaces.
7	Context Fabric	1 4	A good overall example of a library that includes transformations and translations. However, doesn't have many trans examples.
8	ToscanaJ	1	Only has rudimentary transfr examples. This is nothing to do with vectors.
9	Vyger Online RPG - a mmorpg with Java	2	Has good examples of rudimentary affine transfr (X & Y scales). But nothing else relevant.
10	TFEdit	4	uses a single API call for transformations, but is very relevant since it is dealing w vectors.

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 chat, record, MIDI records, 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	Rasmus DSP	4	Has high functionality for MIDI records and audio playback. Probably to detailed even.
2	RPitch	4	Generates MIDI audio from many source files. It is relevant for replaying individual sounds.
3	Home Media Librarian	1	Contains a great GUI for accessing & organizing the audio files, but doesn't contain source code.
4	Rendezvous	4	Has source code for audio conferencing. Includes GUI. Was a link directly to SourceForge, no file/API listing.

5			
6			
7			
8			
9			
10			

Experiment Three

Participant id: *justin.m.gates*

Participant first, last name: *Justin Gates*

Block: Magenta

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

Source Forge was Kind of random. First hits might not be relevant, but then the 5th or 6th hit will be exactly what I needed.

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:

foreign glyph painting

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	DoubleType	4	Is very relevant because it is a font editor. Is even able to combine existing glyphs. Because of editing ability, viewing options should be good.
2	Font yatey: yet Another Tile Editor	2	The App is a map editor for tile based games. However, the tile management might be used for glyph management as a viewing option.
3	Flare	4	It's foreign lang. software. It includes painting foreign fonts. Also, it has interaction with the fonts, so could be reused for presentation.
4	Image restoration and inpainting	2	Could have reusable presentation facilities, but it is overly complex. It is for images and not fonts.

5	Dyond	2	It's a collaborative network painting app. This would not be useful unless we want our app to pre present to multiple people of a network. Req' are not specific.
6	Paint J	3	Has basic image manipulation functions which could be used for presentation. It's simple which makes it easier to reuse.
7	Tetris-like game to learn foreign words	4/	Deals with presenting for font glyphs & sourced in plain text files, both English and foreign.
8	Mastery Cards	4 1	Works like flashcards to present any combination of text, even foreign. However, no files.
9	JMM	2 1	Too simple to have any of the presentation facilities we need. Also, it only deals w/ English → French. Just simple text.
10	voamholana	1	Does not use glyph painting. Only SAX parser and XSLT transform. These are not relevant.

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: *clipboard data transfer, virtual machine, sun GUI support*

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	PastePro	4	Transfers data via network using system clipboard. uses a GUI for this functionality.
2	Advanced Clipboard Manager (ACM)	2	Only deals w managing clipboard captures. Does not do transfers. Management of clipboard is it irrelevant.
3	Bistro	1	Bistro is a startup programming lang. This has nothing relevant for our app.
4	Clipboard Share	4	Clipboard data can be broadcasted to other machines. This is relevant, as it does not contain anything extra we don't need.

5	Java Research Runtime Environment	3	An excellent example of a virtual machine. However, it is still under development, so all parts might not be useful.
6	Internet C++ / Internet Virtual Machine	1	It's a C++ machine virtual machine. Not relevant. Only come up because "alternative to Java" is is in description.
7	Sharp Tools Spreadsheet	2	Only a small part of this app has to do with clipboard. Otherwise it's just a spreadsheet app.
8	TriActive Java Data Objects (TJOs)	1	Just an open source version of JDO. Nothing about data transfer or clipboard.
9	JQemu GUI	1	No source code files. Although it is a virtual machine.
10	JPerfAnal - Java Performance Analyzer	1	Doesn't have anything relevant. Come up because is it has an interactive GUI.

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 file into ^{AST} abstract syntax tree, GUI 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	ASTcentric	4	Does not include parsing, but has functionality for creating and editing a Java AST.
2	ast parser	1	Although an excellent description of exactly what we need, but no files to download.
3	Eclipse Property File GUI Editor Plugin	2	Is only a plugin. Has some examples of GUI interface, but only for property files.
4	Java Outline Editor (JOE)	1	Nothing to do with ASTs. May contain good GUI examples, but unlikely.

5	Eclipse I28N Properties File Editor	2	Another GUI editor for property files. Probably not anything we could use.
6	Tree Editor for Java	1	Perfect for creating a AST out of existing Java code. However, no files to download.
7	LALR Parser Generator	2 4 3	A parser app that generates ASTs, but not specifically from Java files. Would be good to use this app to create the parser for us.
8	Boolean Expression Editor for Java	2 1	Has some GUI examples, but not exactly for what we need. This is irrelevant.
9	TXE - the XML Editor	1	Is already a packaged parser from Oracle. There's nothing we can extract to use.
10	Gazelle Movie Editor	1	Absolutely nothing to do with the search except that it is a GUI editor. But it's nothing we can use.