

# Experiment Two

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Participant id:

Participant first, last name: CHERYL FERNANDES.

Block: Magenta

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

- 1) Applications for ~~Ambiguous~~ features such as 'Security permissions' 'replacing subsequence of the input sequence' is much harder to find than their single word features eg: 'synthesizers', 'parsers'.
- 2) It's easier to find code related to specific technologies, eg: ~~for parser~~ parsing HTML to DOM, MIDI file recognition as opposed to 'handling security permissions in a database' 'Replacing every subsequence'.



# 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 parser traversal modification.

| 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              | JTidy                                    | 3  | <del>we might</del> Contains code for a DOM-parser.  |
| 2              | Its Nat, Natural Ajax Java Web Framework | 4  | Contains code to navigate through a DOM tree, to perform functions like: get text, get length. |
| 3              | Jivan Web HTML Presentation Technology.  | 4  | Provides DOM tree of HTML document. Allows us to access HTML & write dynamic data.             |
| 4              | DOMUnit                                  | 2  | Parses XML not HTML into DOM   |

|    |                                  |     |  |
|----|----------------------------------|-----|--|
| 5  | RDOM                             | 1   | Parses Oracle form to Read-Only DOM.   |
| 6  | Shanixml<br>Parser               | 4   | It is a:<br>i) HTML to DOM parser<br>a) can parse invalid XML files                                |
| 7  | CyberNeko<br>HTML<br>Parser.     | 3   | Can parse HTML documents   |
| 8  | Java<br>monila<br>HTML<br>Parser | 3 2 | Parses the <del>data</del> HTML<br>data. We can use <del>some</del><br>few remotely relevant code. |
| 9  | Vericha<br>HTML<br>parser.       | 2 2 | parses the HTML code.<br>Not sure if it converts<br>it to DOM.                                     |
| 10 | JXML<br>Editor                   | 2 1 | Its an XML editor.<br><del>Not an</del> Irrelevant link<br>However it uses a DOM parser            |

# 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:

java beans bound index property change

| 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              | LGOL User Group.                       | 4   | makes use of Index Property changed event.  |
| 2              | Java Application Framework/ GUI Editor | 3   | makes use of library Property Editor & Property Descriptor in java beans & Indexed Property Descriptor. |
| 3              | epoline ??<br>PHOENIX                  | 4   | makes use of Index Property Change Event in java bean.  |
| 4              | Jethro                                 | 3   | Makes uses of Index Property Change Event for Metadata Reader - java & FileTools - java.                |
| 5              |  |   |   |

|    |                                     |                |  |
|----|-------------------------------------|----------------|--|
| 5. | Jafu Lite                           | <del>2</del> 2 | Uses Index Property Change Events for Custom Date Dialog.                |
| 6  | Skunk DAV WebDAV Client             | <del>2</del> 3 | Uses Property changed Event for the Text Editor.                         |
| 7  | Fscape                              | 3              | Uses Tracks bound index property for form elements                       |
| 8  | XNAP Commons - Java Utility Library | 3              | Tracks property change in the Action & Resource Test.                    |
| 9  |                                     | 2              | Keeps track of the change in Panel using Indexed Property Changed Event. |
| 10 | News - Fighter                      | 2.             | Uses the Indexed Property Descriptor.                                    |

# 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:

pattern matching text replace repeat search.

| 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              | eOLF<br>opensource<br>project                               | 1  | Not relevant to search.<br>No <del>package</del> relevant packages used. |
| 2              | ontea   | 3  | Searching through documents using pattern-based approaches.              |
| 3              | <del>Info Student</del><br>Info-<br>Studenten-<br>Probleme. | 2  | matches the string for a Date Format.                                    |
| 4              | waba<br>for<br>Dos.   | 2  | matches the string for a Date Format.                                    |

|    |                           |                |  |
|----|---------------------------|----------------|--|
| 5  | Aikernel                  | 2              | Uses some sort of pattern matching although totally irrelevant.        |
| 6  | TailBlazer                | 3              | Supports pattern matching, filtering & notification.                   |
| 7  | Teaseme JVM               | 2              | Performs a search <del>but</del> for Date Format Symbols.              |
| 8  | Cryptic muse              | 2              | Performs search <del>and</del> via characters in a word not text file. |
| 9  | Adaptive Planning Express | <del>2</del> 3 | Used to It is used to compile a <del>get</del> pattern found.          |
| 10 | Malacco                   | 2              | Used to match a string.  |



# 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:

library synthesizer send receive midi events

| 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   | Even though a MIDI processor, it can generate and can receive midi <del>two</del> events & interpret them. |
| 2              | Midi Quick Fix | 3 4   | Allows editing of a MIDI event and makes it easier to set the volume & pan values.                         |
| 3              | JDX 7          | 4   | editor / controller program for a synthesizer.   |
| 4              | Tritonus       | 4   | Implementation of the JAVA Sound API   |

|    |                             |   |   |
|----|-----------------------------|---|---|
| 5  | PJL<br>midi-<br>Parser      | 3 | Parser for MIDI files and<br>triggers a call back handler<br>in response to events in the<br>MIDI file. |
| 6  | Tux-<br>Guitar              | 4 | <del>uses MIDI so</del> Is a type of<br>a synthesizer for a guitar.                                     |
| 7  | Fluid<br>GVT                | 4 | Synthesizer based on<br>MIDI events   |
| 8  | Saiph                       | 4 |   |
| 9  | MyPi -<br>Piano<br>Tutor    | 4 | Needs a MIDI-keyboard.  |
| 10 | Java<br>Sound<br>Resources. | 4 | <del>More</del> Resources for<br>Java Sound API developers.   |

# 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:

*create database validation*

| 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>XML260T</i>                   | <i>2</i>   | <i>Includes package for validation</i>                   |
| 2              | <i>Form Validation Framework</i> | <i>2</i>   | <i>Form validation</i>                                   |
| 3              | <i>Form View Taglib</i>          | <i>2</i>   | <i><del>Form va</del> management of JSP files.</i>       |
| 4              | <i>Database Test Suite</i>       | <i>2</i>   | <i>Simulates heavy user loads for OLTP.</i>              |

|    |  |    |  |
|----|--|----|--|
| 5  | LJOS :-<br>Java &<br>database<br>integration     | 21 | Uses database as a<br>common storage.<br>No relevance to search.               |
| 6  | Java<br>validation<br>Library                    | 3  | Classes to validate data.  |
| 7  | Validation<br>Framework                          | 2  | Validation of. Creates<br>reusable validators for the<br>result of validation. |
| 8  | Zapatee.<br>Framework                            | 2  | Import old data or<br>enter new data into a<br>database.                       |
| 9  | Jivon<br>web HTML<br>Presentation<br>Technology. | 1  | Not  |
| 10 | Jazilla<br>Project.                              | 4  |  |

# Experiment Three

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Participant id:

Participant first, last name: CHERYL FERNANDES

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

- 1) Difficult to enter text via the search tool bar.
- 2) Good repository when used with specifics eg: HTML,  
~~for~~ XPath, XML
- 3) Not many glyph applications.



# 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 viewer. representation of glyphs.

| 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              | Double Type.  | 3  | Provides glyph design by combining existing glyphs & modules. |
| 2              | Stolor Grid   | 1  |   |
| 3              | Mumaw         | 1  |   |
| 4              | Code Painter  | 3  | Built on mon-ionic glyphs                                     |

|    |                                  |   |   |
|----|----------------------------------|---|---|
| 5  | TTFEdit                          | 3 | Allow vector-based <del>glyphs</del><br>glyphs. |
| 6  | Humboldt<br>WMS<br>Viewer        | 1 |   |
| 7  | Tarag                            | 2 | Supports Unicode<br>glyphs.                     |
| 8  | Obj - JAVA<br>Version of<br>JAVA | 1 |   |
| 9  | JavaML                           | 1 |   |
| 10 | Op Cion<br>Font<br>Viewer        | 1 | <del>Used</del> Used for True Type<br>Fonts.    |



# 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:

data transfer clipboard virtual machine.

| 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              | PastePop        | 4  |  |
| 2              | Clipboard Share | 4  |  |
| 3              | Clipboard to DB | 4  | Supports data transfers                                  |
| 4              | Scip Share      | 4  |  |

|    |   |    |  |
|----|---|----|--|
| 5  | Hotspot: a<br>Simple<br>JIT-only<br>virtual<br>machine. | 2  | It's a JIT- virtual<br>machine.                                    |
| 6  | Another<br>Open<br>JavaCard<br>V. M/c.                  | 2  | It uses a virtual machine<br>but not a data transfer<br>mechanism. |
| 7  | Virtual<br>machine<br>manager.                          | 2  | Good to learn about<br>implementation of the<br>virtual machine    |
| 8  | Waba<br>virtual<br>machine                              | 3. | Implementation of VM<br>for portable computers                     |
| 9  | Je<br>virtual<br>machine                                | 2  | VM that converts files<br>into C.                                  |
| 10 | JAR<br>JAVA<br>operating<br>system.                     | 2  | Interprets Java bytecode   |

# 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 parser modify user interface.*

| 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>ast parser</i>                | <i>4</i>   | <i>uses command-line instead of GUI.</i>                 |
| 2              | <i>Free Tree Editor for Java</i> | <i>4</i>   |  |
| 3              | <i>Javast</i>                    | <i>3</i>   | <i>converts codes to AST only.</i>                       |
| 4              | <i>ASTcentric</i>                | <i>4</i>   |  |

|    |  |      |  |
|----|--|------|--|
| 5  | AST<br>Reproduce.                              | \$ 2 | Its a plugin; input is<br>an example AST <del>node</del> node. |
| 6  | JXML<br>Editor                                 | 1    |  |
| 7  | Tree Form<br>Syntax<br>Tree<br>Drawing<br>s/w. | 2    |  |
| 8  | Grammar<br><del>browser</del><br>Browser       | 1    |  |
| 9  | Jaxe   | 1    |  |
| 10 | Abstract -<br>User<br>Interface<br>Toolkit     | 1    |  |

# 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 management scroll bars column row specific ,

| 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              | Entity Table                             | 4  |  |
| 2              | Filter & Sortable Table:<br>Java Utility | 3  |  |
| 3              | Web Glandula                             | 3  |  |
| 4              | Box it                                   | 1  |  |

|    |   |                |  |
|----|---|----------------|--|
| 5  | Test<br>Table<br>Formatter                | 4              |  |
| 6  | web<br>Reporting                          | 2              |  |
| 7  | Compare<br>DB Tables<br>with Any<br>Data  | <del>2</del> 2 |  |
| 8  | java.sql.<br>ResultSet<br>DOM<br>Wrapper. | 2              |  |
| 9  | Imatrix<br>Views                          | 2              |  |
| 10 | SQLMinus                                  | 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:

| 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 Document Validator               | 4  |  |
| 2              | xpath Explorer                       | 3  |  |
| 3              | XML documents from XPath & its data. | 3  |  |
| 4              | XML Validator                        | 3  |  |

|    |  |   |  |
|----|--|---|--|
| 5  | XML<br>Unit  | 1 |  |
| 6  | cli xml  | 1 |  |
| 7  | Apex XML   | 4 |  |
| 8  | Digital<br>Archive of<br>XML<br>Validators                 | 1 |  |
| 9  | <del>Phoenix</del><br>Phoenix<br>Information<br>Extraction | 2 |  |
| 10 | Light Spoke<br>Dbx:<br>DBXML<br>Server.                    | 2 |  |



# 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:

atomic drag and drop functions.

| 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              | Drag & drop install dev sys. | 4  |  |
| 2              | PDF Forms Designer           | 3  |  |
| 3              | Stabilization of sound       | 1  |  |

|    |                            |                |  |
|----|----------------------------|----------------|--|
| 4  | MM file<br>utility         | 3              |  |
| 5  | Java<br>Resource<br>Finder | <del>2</del> 3 |  |
| 6  | pollo                      | 3              |  |
| 7  | SyneDocs                   | 4              |  |
| 8  | peratures                  | 3              |  |
| 9  | mp3dj                      | 2              |  |
| 10 |                            |                |  |

# 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 status monitor tracker system tray.

| 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              | Build monitor          | 2  |  |
| 2              | hudson Tracker         | 2  |  |
| 3              | red hot power notifier | 2  |  |
| 4              | vMonitor               | 2  |  |

|    |  |   |  |
|----|--|---|--|
| 5  | Broad<br><del>band</del> band<br>usage<br>monitor. | 3 |  |
| 6  | Cruise<br>monitor                                  | 3 |  |
| 7  | Blue Oxygen<br>Kukunyu                             | 3 |  |
| 8  | ChessWord<br>Tray<br>monitor                       |   |  |
| 9  | Khole-<br>green                                    |   |  |
| 10 | ccTrayIcon   |   |  |

# Task

Implement a library that allows representing and manipulating glyphs as 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:

*glyph Editor*

| 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              | <i>Double Type</i>       | <i>3</i>   | <i>Combines existing glyphs &amp; modules.</i>           |
| 2              | <i>Mex PREMIS Editor</i> | <i>1</i>   | <i>Doesnt use glyphs at all</i>                          |
| 3              | <i>JE Editor</i>         | <i>1</i>   | <i>programming editor</i>                                |

|    |  |   |                         |
|----|--|---|-------------------------|
| 4  | Eclipse<br>LDAP<br>Browser &<br>Editor.      |   | doesn't support glyphs  |
| 5  | Ack! Mvul<br>Visual<br>Area<br>Editor        |   | doesn't support glyphs. |
| 6  | Eternity II<br>Editor                        |   | doesn't support glyphs  |
| 7  | Rinzo<br>XML<br>Editor                       |   | doesn't support glyphs  |
| 8  | Richness,<br>Fitness<br>WYSIWYG<br>Editor    | I | " "                     |
| 9  | Storch<br>XBlast<br>Level<br>Editor          |   | " "                     |
| 10 | velocity.<br>editor<br>plugin for<br>Eclipse |   | " "                     |

# Experiment One

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Participant id:

Participant first, last name: CHERYL, FERNANDES.

Block: Magenta

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





# 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:

convert to MIME storing blogs genome sequences, key value pairs  
MIME

| 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              | Java MIME MAGIC LIBRARY.     | 4  | This project determines the MIME type of files/streams. hence we can reuse code snippets                 |
| 2              | MIME TYPE DETECTION UTILITY. | 4  | Confident we can reuse code snippets / API calls: since it detects file mime types.                      |
| 3              | jworkosgi                    | 1  | Completely irrelevant since it deploys j2ee applications into OSGI. Nothing is relevant to the keywords. |
| 4              | Groundwork Foundation        | 2  | We might be able to use ext code for integration of data running in a web-container.                     |

|    |   |                |   |
|----|---|----------------|---|
| 5  | MIME-Dir<br>and<br>VCard Java<br>API.             | <del>2</del> 1 | Nothing is related to the<br>key words.<br>Cannot reverse the code.   |
| 6  | dcm4che,<br>an DICOM<br>Implementation<br>in Java | 2              | The Java code used to<br>implement DICOM may be<br>used.  |
| 7  | wing3   | 1              | Nothing is related to the<br>key words. Completely irrelevant<br>unless you want to develop a<br>web-based application. |
| 8  | Generic<br>model<br>Organism<br>System database   | 3 <del>4</del> | The database used contains<br>information about genomes.<br>Hence, some code can be used.                               |
| 9  | *BVS  | 1              | Nothing in this is related to<br>the key words.   |
| 10 | Satellite<br>webApp.                              | <del>2</del> 1 | Nothing in this is related<br>to the key words.   |

# 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:

changes in vector affine spaces.

| 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              | XMage.                                  | \$ 4  | We can reuse code snippets from the library to display and manipulate vector graphics.   |
| 2              | JAVA<br>CARDIO Pulmonary<br>simulations | 4   | We can reuse the code to perform rotation, scaling and shearing, and translations  |
| 3              | Semantic<br>Web<br>Spaces.              | 2.  | <del>Even</del> Even though there is nothing in this project related to the key words, we might be able to use the code for coordinate primitive |
| 4              | Vector<br>Visuals                       | & 2   | we might be able to use the code into create the object-based API.   |

|    |                                       |   |   |
|----|---------------------------------------|---|---|
| 5  | Word Vector Tools.                    | 2 | Most of the code can't be used since it's used for word vector representations of text documents.   |
| 6  | JVCifftool                            | 4 | Keywords were found in description: affine model.<br><del>Allows</del> Can use most of the code since it's a 3D Euclidean interactive visualizer. |
| 7  | JAligner.                             | 4 | The code makes use of the affine gap penalty model.   |
| 8  | KGD                                   | 2 | Since this creates 2D vector animations, its code may be good for an initial start.   |
| 9  | VECTOR VISUAL 3D (W3D)                | 4 | We can reuse <del>the</del> code snippets since it deals with special relativity. Introduction to transformations. with illustrations.            |
| 10 | Vyger Online RPG - a mmorpg with Java | 4 | Uses Affine Transform library.  |

# 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:

Record audio play midi save conversations

| 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              | Rasmus DSP                     | 4m 3 2   | Its is a MIDI processor. Hence some files to route MIDI signal may be used. |
| 2              | modular music writer.          | 3  |   |
| 3              | My Di - Piano Tutor            | 2  | uses a midi-key board   |
| 4              | Music Audio & Retrieval Tools. | 3  | Searches music & audio recognizes format of audio and music.                |

|    |                                 |                   |   |
|----|---------------------------------|-------------------|---|
| 5  | Audio<br>Development<br>System. | <del>4</del><br>3 | A recording/playback<br>program. for audio & midi |
| 6  | Xenoge<br>Player                | 3                 | can plays music &<br>saves as a MIDI file         |
| 7  | krut<br>Computer<br>Recorder    | 4                 |   |
| 8  | Free TTS                        | 3                 | Speech Speech synthesis<br>program.               |
| 9  | RPitch                          | 2                 |   |
| 10 |                                 |                   |   |