

# Experiment One

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Participant id:

Participant first, last name:

NAGA KEERTHI GUMMADI

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

- I feel like the efficiency of the search depends on the keywords selected.
- If any ~~ent~~ special characters like '+' are used, the search results are entirely different than the other case & irrelevant.



# 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:

Sharing, viewing, exploring MIME application mapping keys to values.

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	Ajencia Marketing - Marketing Automation	3	Description is relevant to the task.
2	MaKumba	3	
3	RDF Model Browser	2	
4	iBPM - openCMS module	1	The description is totally irrelevant.

5	Hisee	2	
6	SISweb	3	Many API calls are related to the 'MIME' keyword
7	Plowsee	2	
8	MILK Long -age	2	
9	DreamView -er	3	
10	MET Amorphous; DB to RDF transformation	1	Description does not match at all.

# 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:

Library supporting vector transformation using linear transformations & translations.

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	All API's used matches with the keywords. <code>java.awt.geom.AffineTransform</code> XXXX
2	KEna	3	It is obvious from the description, but lot of changes are still to be made in the project. Description mostly matches.
3	TReporting Grid	2	
4	The Jazilla Project	2	

5	Geoserver	3	Most of the API's used matches the keywords & also the description is relevant.
6	Java Cardio Pulmonary Simulations	1	The description is irrelevant.
7	Automatic Firearms Wrapper	1	Description is totally irrelevant.
8	The Jump Pilot Project	2	
9	open SVG viewer	2	
10	SF3 Iswing: 2D fighting game	2	some API's match the keywords.

# 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 based GUI system for communication.

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	Arcat	3	Description is not likely relevant.
2	winplcutils	2	
3	Algebra database	1	It's entirely a different one.
4	wisexemote	4	

5	Tomographic Imaging System GUI	1	API's do not match with the keywords at all.
6	TinyOS	4	This is an OS for embedded sensor networks.
7	J GRS	1	This is a library which handles standard GLL, GGA, RMC, GSA & GSV sentences. Not at all related to voice based system.
8	JComed	1	It is a Swing Framework to support <sup>all aspects</sup> of GUI development. Not much related to voice based system.
9	Nepali voice synthesis	3	This is a voice synthesis project.
10	System Management Console	1	It is a Java based GUI console to edit system configuration files. Not at all related

to voice based system.



(P.T.O)

## 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  $(\text{unscaledValue} \times 10^{-\text{scale}})$ .

### 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

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:

Application to create, open, manipulate zip 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	BeoZip	4	This application backs up data into zip files & also provides additional utilities for reading & writing zip files.
2	Spencer	1	This is an indexing application which is not at all relevant to the task given.
3	Web for Docs	1	Description is totally irrelevant.
4	Archtea	3	This is a web application to search zip files. It is relevant to some part of the task given though it is not suited for the whole given task.

5	TNT Mocha Backup	2	This is a backup utility that uses zip files for data storage.
6	Aleca Backup	1	Not relevant to the task given.
7	jiz	3	This is an archiver for zip files.
8	ZipSearch Tool	3	This is a s/w to search in zip files for files & content. some part of the task is achieved.
9	ZipBackup With Zip	2	This is an application for backing up oftenly some selected files & folders & then zip them.
10	JPPropsEdit 1		Application to manage Java properties files which can be saved as XML. not relevant to the task given.

(P.T.O)

## Task

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

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:

Tooltips library implementation

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	TPowerGraph	1	Not relevant to the task.
2	Shrimp suite	2	
3	T.H.O presentation Library.	4	
4	Java GNU scientific Library	1	Irrelevant to the task.

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## Experiment Two

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Participant id:

Participant first, last name:

NAGA KEERTHI GUMMADI

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

- I felt that the first experiment which was done retrieved more accurate results than the second experiment.
- In this experiment, most of the results are irrelevant to the respective tasks.



# 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 create, Edit 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	Jivon web HTML presentation Technology	4	Most of The API's & description matches with the keywords & the description of the text.
2	streaming XML-DOM event processing	2	Description does not match with the task needed.
3	BeanDOM	1	This is a package that provides access to a tree of Java Bean objects via the DOM interface.
4	DISKDOM	2	This is an implementation of Java DOM specification.

5	FCE protocol Reference Java code	1	Description of this Project is totally irrelevant from the description of the given task.
6	Shanixml Parser	3	This is a fast Xml/Html DOM non Validating parser written in Java.
7	Javast	1	This is a Java API for creating abstract syntax tree from the given Java source code.
8	Swon	4	Swon is a suite of Java-based tools for working with XML.
9	dom4j	1	This is not relevant to the task given.
10	JDOTs, Java Dynamic Object Tree Software	4	This is a framework to create a dynamic tree of Java objects.

# 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 application 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	epoline?? PHOENIX	4	This is a system to support the process of handling intellectual property-related documents.
2	HRDAG - Analyzer	1	Not at all related to the task given.
3	JXMLEdit	1	This is an XML parser. No API's are relevant to the keywords.
4	JafuLite	4	This is a framework for desktop applications.
5	JBonorus	4	It is a game written in Java.

6	Alegon Framework	4	It is a Java application framework to support fast application development.
7	Java Application Framework/ GUI Editor	1	Description not related to the task.
8	Atabane DTD to Bean	2	This generates JavaBeans from a specified DTD file.
9	TComeo	4	It is a framework to support all aspects of GUI development.
10	BitZip	4	This is a compression tool.

# 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:

character sequences pattern matching and replacing application

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	Webatol Doors	1	Entirely different from the given task.
2	Malesco	4	This is an ontology matching system.
3	Fsgrep	2	This is an application which allows to search for all files in a directory structure for lines matching a given pattern.
4	Pattern Recognition & Analysis Project	4	This is used in color recognition & character recognition project.

5	AiKernel	1	Irrelevant from the given task.
6	TailBlazer	3	It allows you to monitor log files as they are written and supports pattern-matching.
7	Yeasts Identifi- -cation	4	It is an application for searching for unique DNA sequence.
8	Super-light To CORM pipeline	1	Totally irrelevant
9	Math Eclipse Plugin	2	This is a Java Computer Algebra system. Helps in pattern matching.
10	LiLi	1	Totally irrelevant



# Experiment Three

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Participant id:

Participant first, last name:

NAGA KEERTHI GUMMADI

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



# 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:

Applications using glyph Painting facilities for reuse.

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	PROMI	1	This a platform for reuse of ontologies.
2	omseek	1	This is a search engine library which enables you to easily add advanced indexing & search facilities to your applications.
3	Momoko	1	It is a framework for developing network-aware applications.
4	Xapian	1	Irrelevant to the task description.

5	Flame Processing Language	1	This is an XML Language based on the Flame Technology.
6	CORAS Risk Assessment platform	1	Not related to the task.
7	Market Analysis System	1	This is a system for analysis of financial markets using technical analysis.
8	Sandboxpx	2	This is a collection of GPL Java classes for creating painting applications & applets.
9	MySmpower	1	The description is irrelevant to the task given.
10	Double Type	3	This is a type designer that builds TrueType font files. The description is little relevant to the task given.

# 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 supporting data transfers 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	Clipboard share	3	This is a cross-platform clipboard sharing tool and the data placed on the clipboard on any machine is broadcast to other machines & placed on their clipboards as well.
2	Jc virtual machine	1	This is a Java virtual machine implementation; which is totally different from the given task.
3	zplet! A Z-Machine for Java	1	zplet is an interpreter for programs using the Z-Machine virtual machine.
4	zplet: BLOBB fork of a Z-Machine in Java	1	This is an interpreter and it doesn't match with the description of the <del>task</del> given. task

5	Java MDI application framework	2	This is a framework for creating MDI applications which supports clipboard access.
6	(GPS Based) photo Logger	1	Irrelevant to the given task.
7	FONC	1	FONC allows active & passive FTP transfers via normal port connections.
8	Jato: a Simple JIT-only Virtual machine	1	Jato is a Java virtual machine implementation with a JIT compiler.
9	Patapata	1	This is an experiment which is totally irrelevant to the task given.
10	Java Profiling Tool.	1	Not relevant.

# 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 for a Java source file.

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	Javast	3	Javast is a Java API for creating an Abstract Syntax Tree of java source code.
2	ASTcenter	2	This is a framework for supporting the shift from Text-centric to AST-centric programming.
3	ast parser	2	This is a library for parsing files and building AST based on context free (CF) grammar.
4	Tree editor for Java	1	This is an eclipse plugin that allows to view & modify Java source code as a tree.

5	TreeForm Syntax tree Drawing software.	1	This is a Linguistic Syntax/Semantics tree drawing editor.
6	Binary Notes	1	Irrelevant from the task given.
7	BinML Library	2	It is a Java library which <del>converts</del> takes binary file formats as input & while parsing, it builds an abstract File tree.
8	OpenASN.1	1	This is a toolkit for the Abstract Syntax notation.
9	Java voice XML Editor	1	This is a voice XML editor which is entirely different from the task given.
10	AST Reproducer	2	This is a plugin for the Eclipse IDE. It generates the code that creates an AST node. Here, the input is

the AST node whereas in the  
given task, the output is  
the Abstract Syntax tree.



(P.T.O)

## 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:

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

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 library*

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>Simple XPath Parser API</i>	<i>3</i>	<i>This is a library consisting of parser for xpath-expressions &amp; a set of classes used to represent their structure.</i>
2	<i>XML documents from XPath &amp; its data</i>	<i>1</i>	<i>Description is not relevant to the task given.</i>
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