

Experiment Two

Participant id: 10326946 , ryan.c.sponseller


Participant first, last name: Ryan Sponseller

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 

- Exploring each package can be very tedious and time-consuming to find relevant code
- Forgot proper filters in the beginning of test
- Results were returned that did not include code or had been downloaded
- Seemed to have better luck finding packages with similar requirements at a high-level, had problems fulfilling requirements at a low level

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 dom tree modify traverse

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	swg8.xml	2	XML Parser as opposed to HTML. Does not create DOM tree.
2	forgetHTML	1	Description is relevant, but unusable as source code is unavailable and has never been downloaded.
3	ClearParse Open Edition	2	General parsing engine, does not have HTML or DOM specifics
4	Feather C++ HTML Parser		

Forgot
Java
as
filter,
top 5
results
on
back

1	Shamir XMLParser	4	Includes a number of different parser libraries and API calls. Very good description that covers HTML and DOM
2	Jivan Web HTML Presentation Technology	4	Good collection of dom and parser classes, along with document classes to handle file creation and modification.
3	aCodeGen	1	fair description, but does not contain files or been downloaded
4	Oracle Statspack Report Analyzer	2	File/Folder structure difficult to analyze, fair description, and include parser classes
5	direxport	2	Traverser info but did not have strong ties to document management and the DOM
6	BeamDOM	2	DOM traversal info but limited opportunities for other areas

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 indexed property GUI ~~project~~ ~~ch~~

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	Property Mapper	3	A number of property change files. Does Does include GUI, but not sure if GUI functionality is closely related.
2	Navel JavaBean Introspection Tools	2	Includes some property change code, but does not help much without GUI or close relation to problem.
3	Eclipse Property File GUI Editor Plugin	1	Not related to task, although it does contain "GUI" and "Property"
4	Melon Library	1	Very large package, difficult to identify applicable code snippets. Description is irrelevant to specific need.
5			

	Render Input Formats as SVG trees	1	Hard to find details on property change.
6	QSAR	1	Files not listed / never been downloaded
7	Dynamic Configuration Tool	1	Large number of embedded jar files made exploration difficult
8	Archived Layout	1	Related mostly to XML parsing, did not see relation to ^{bound} indexed property
9	Swing Property Binding	1	Files not listed but description has stronger relation compared to other results.
10	jpropeller	1	Files not listed but description has stronger relation compared to higher results

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 file iterate replace

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 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:

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 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)
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Task

Implement a library for managing concurrent access to hash maps (i.e., the hash maps data structures should be simultaneously accessible by multiple client threads). The concurrent hash table map or table should support regular operations such as clear, contains, put, remove, replace, size, etc.

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

Load and execute Java threads from a folder containing classes. Load each class and execute it in its own thread. Keep information about the number of threads and how long to completion. Keep a pool of available threads to accommodate user inputted class names.

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

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:

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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Experiment Three

Participant id: 10326946 , ryan.c.sponseller

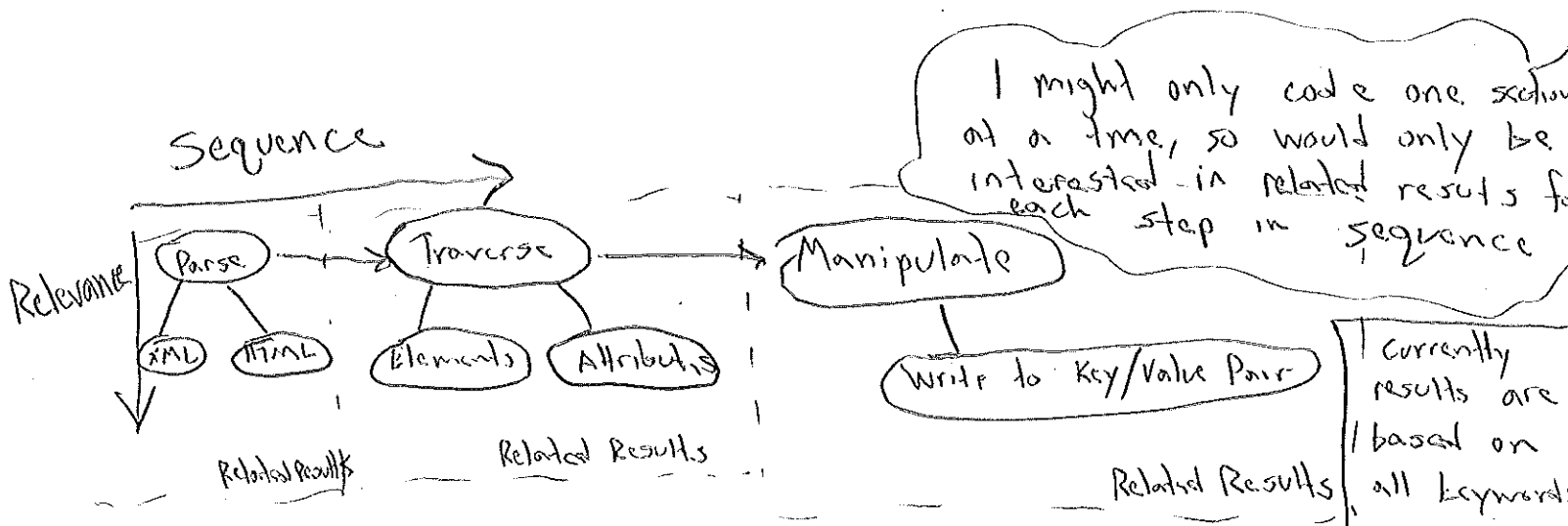
Participant first, last name: Ryan Sponseller

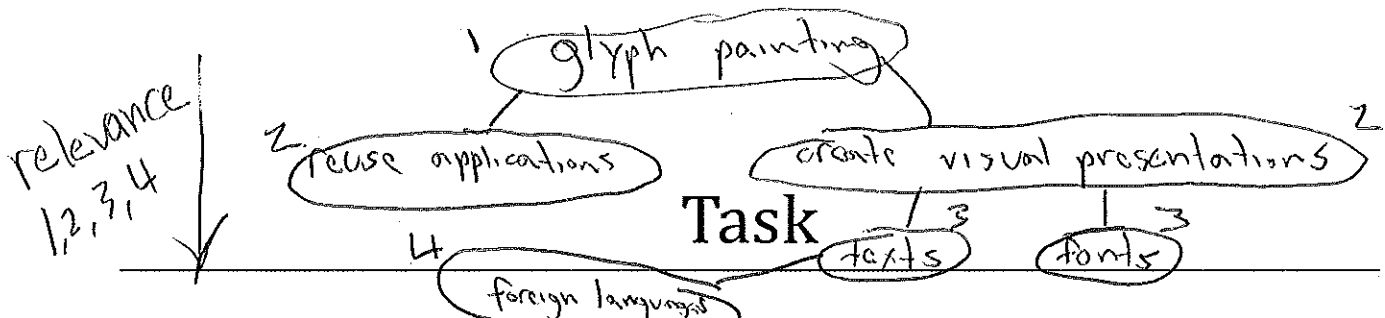
Block: Yellow

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

- Found it difficult to include all requirements into one search. Would normally break search into multiple focused searches.
- Why limit input to a simple text box, why not have a dynamic web/bubbles within a RIA interface





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.

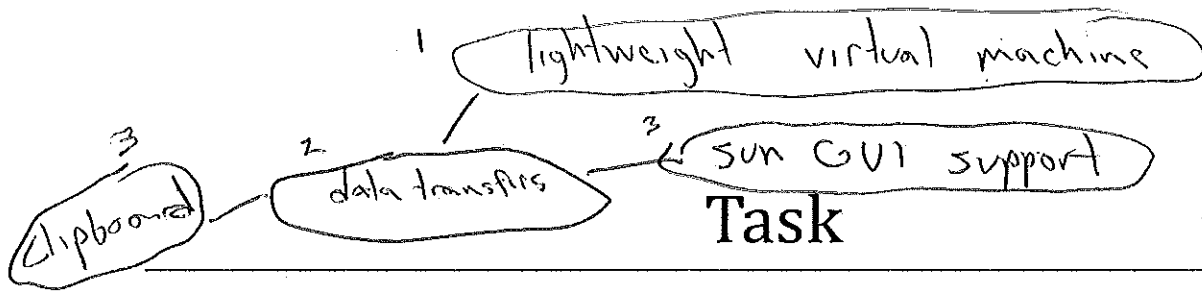
Results

Please specify what keywords you used in your query:

glyph reuse create presentation multiple languages

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	PPT Assist	1	Description was promising but no files were available for download
2	IKVM.Net	2	Very remote API calls could contain code snippets but application seems unrelated
3	Fit	2	Has information on multiple language support but is mostly irrelevant
4	Java Application Creation Kit	1	Close description but no files were available for download

5	upl	1	Description is unrelated and difficult to pinpoint applicable code snippets
6	Jivan Web HTML Presentation Technology	2	Does include StandardGlyphVector API call, description is not closely related.
7	VillAug Framework for Visual Languages	1	Description picks up on multiple languages, but is unrelated
8	Presentation Building	3	Description is promising but API calls are not displayed to analyze relevance
9	Zabaan	1	Unrelated description API calls not displayed
10	OpenICQ	1	Unrelated description API calls not displayed



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.

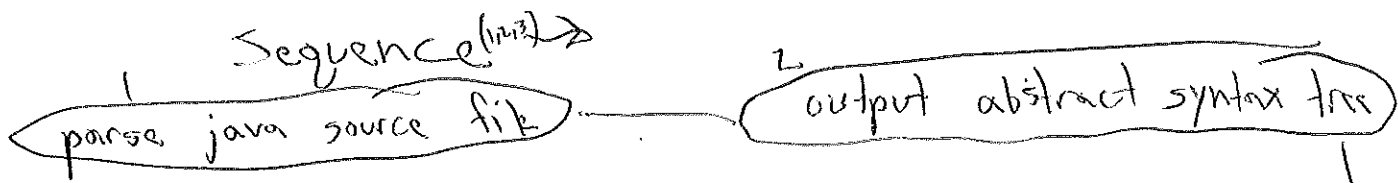
Results

Please specify what keywords you used in your query:

lightweight virtual machine data transfers 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	UQemuGUI	2	Description was promising but no files available for download.
2	Jeffpalm.jar	3	found a good number of VMManagement API calls but description is not relevant to my needs
3	Siofu: An open Source Context Simulation	2	Fair number of API calls but most are irrelevant, description is not relevant
4	Jasmine IDE	2	Fair number of VM related API calls

5	ZEMACS	2	Small number of Path Searching Virtual Machine API calls
6	JDEE	2	Small number of Path Searching Virtual Machine API calls
7	C# Java Virtual Machine	2	Contains VM code but API calls are not listed in search results
8	Flash Recruit Job Board/ Applicant Track	2	Small number of VMStatusChangeEvent API calls
9	Evvar Games	2	Small number of VMStatusChangeEvent API calls
10	jbilling	2	Small number of VM related API calls



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 output ast traverse modify 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	libgcw	1	Description it was highly relevant but no files available for download
2	Tree Editor for Java	1	Description includes all aspects except for GUI, no files available for download
3	Java File Parse	1	Fair description but no files available for download
4	JSEL	3	Includes a number of AST libraries and API calls

5	Java Programmer		Non related description and no available files to download
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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:

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 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:

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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Experiment One

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Block: **Yellow**

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

- Much easier to judge relevance when API calls are listed in search results
- Task 1 - Items with same relevance score can be returned in varying order
- ~~What~~ Could the line number reference invoke a collapsible look at the code snippet?
- UI explanation of relevance score


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:

retrieve large data sets map key value pairs MIME encode

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	Scenery Manager	3	Identity Hash Map API can be used to handle retrieve and store data. MIME type API used for encoding.
2	Resource Bundle Helper	1	No files listed for browsing within sourceforge. Exemplar does not provide list of API's used.
3	Granite Data Services	1 2	Uses Identity Hash Map and MIME type API's. Lower usage of Hash Map calls compared to Scenery Manager.
4	Commsy String Test Case for JUnit	1 2	Same explanation 

At times when searching for the same set of keywords, the ranking of the items can change. This occurs with items that have the same relevance score

5	OrangeFox.com Servlet Engine	3	Large number of Identity Hash Map and MIME type API's calls. Description does not seem relevant.
6	Bento Language	2	Fair number of API calls for Hash Map and MIME type.
7	Meta- quokka	2 2	Fair number of relevant API calls, encouraging description
8	Jolon Framework	3	Large number of Hash Map + MIME type calls.
9	Struts Test Case for JUnit	2	Poor description match with a fair number of relevant API calls
10	Hierarchical Map	2	Encouraging description API calls not returned

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 library rotation scaling shear shift

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	jGridShift	4	Application of the affine transformation with latitude + longitude shifts. SubGrid can possibly perform scaling. Does not list API calls in results.
2	Atomic Forums Wrapper	4	Scale, Shear, and Translation API calls are used from AffineTransformation Library.
3	Java Cardio Pulmonary Simulations	4	Scale, Shear, and Translation API calls are used, description is stronger when compared to PN #2.
4	JUMP Pilot Project	2	Smaller number of calls from AffineTransformation library.

5	Geo Server	2	Smaller number of API calls and a brief description although title is promising
6	ANJ1	3	Fair number of calls from Affine transformation library.
7	JReportingCard	3	Fair number of API calls. GUI tool description encourages relevance to vector spaces.
8	Shift-Right Open Repository	1	Did not find relevant API calls and the description seems irrelevant.
9	Kena	2	Small number of AffineTrans. API calls, description is relevant.
10	Super Image Resizer	3	conversionParameters and ImageConverter classes are relevant. List of API calls not listed.

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 play voice 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	Rasmus DSP	4	Large number of API calls Might be missing some work All very relevant
2	Voice Messages Manager	4	
3	Audio Development Manager	4	
4	Java Sound Player + Recorder	2	

5	RPitch	3	
6	MIDI Keyboard Coach	4	
7	Java MIDI Player		
8	JMidi Tools		
9	MyDi Piano Tutor		
10	Music and Audio Retrieval Tools		

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:

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 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:

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 feature that uses Secure Sockets Layer (SSL) with X509 certificates for authentication. It should signal when no more inbound network data will be sent to this application.

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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