Code Search Engine - Classes

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Classes:

1) FilterStructure: holds info/fields of how to filter search results
2) ResultsLog: has fields for how a query matched given the search filters, has related contributors
3) Contributor: have names, commit log, etc.
4) CommitLog: structure to hold commits from users
5) Commit Message: date, author, text

FilterStructure

by keyword
by textual query
by revision date
by commit message
by file name
by function definition criteria
by object usage
by variable
by author

1 Influences values of 1

ResultsLog

where keywords are found
where textual queries are found
Revision Dates
Commit Messages
File Names
functions definitions
object usages
variable names
author(s)
^ for each of the above, # of times found..

void PrintFields()

1

0..*

Contibutor

name
commit log

1   1

CommitLog

where code was changed
Commit Messages

1   0..*1

CommitMessage

Date
Author
Text