

JIRiSS - an Eclipse plug-in for Source Code Exploration

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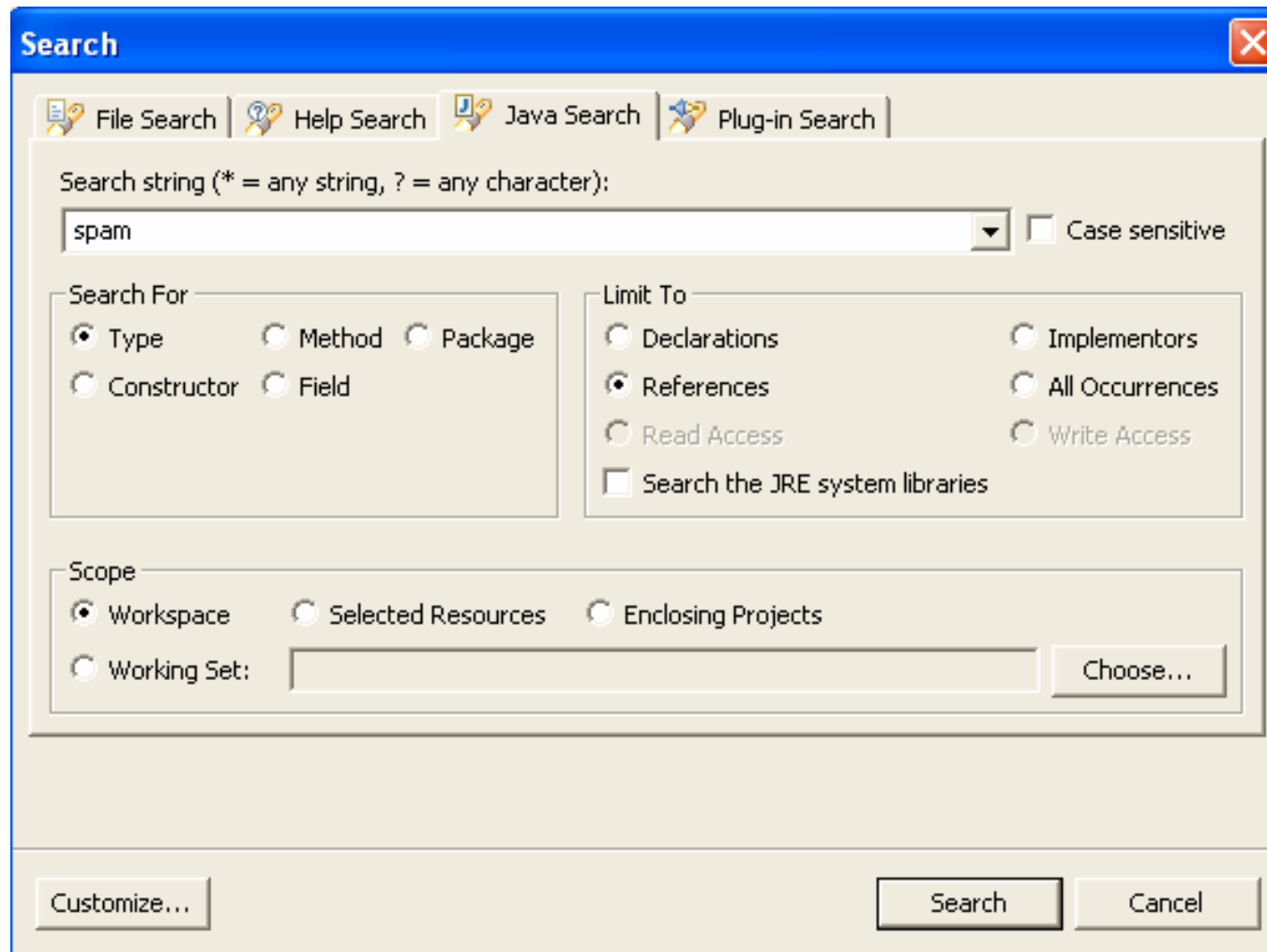
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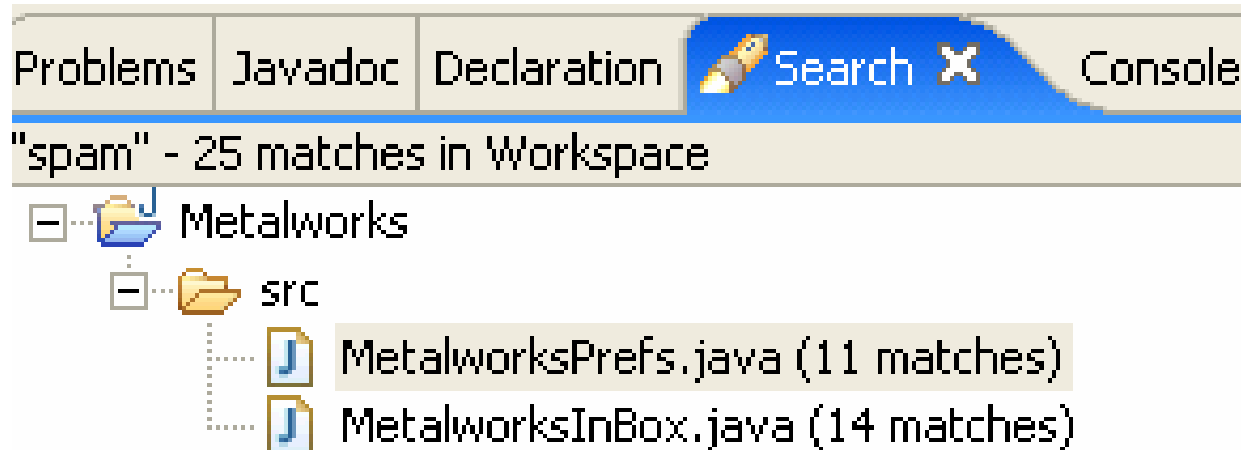
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“File Search” in Eclipse



Results for “File Search”



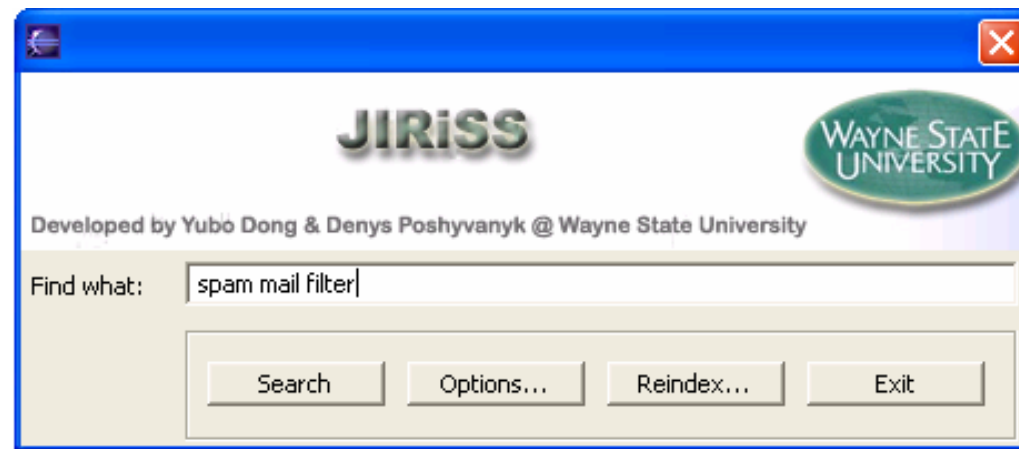
Our Inspiration

The Google logo is displayed in its signature multi-colored font: 'G' in blue, 'o' in red, 'o' in yellow, 'g' in blue, 'l' in green, and 'e' in red. A small 'TM' trademark symbol is positioned to the upper right of the 'e'.

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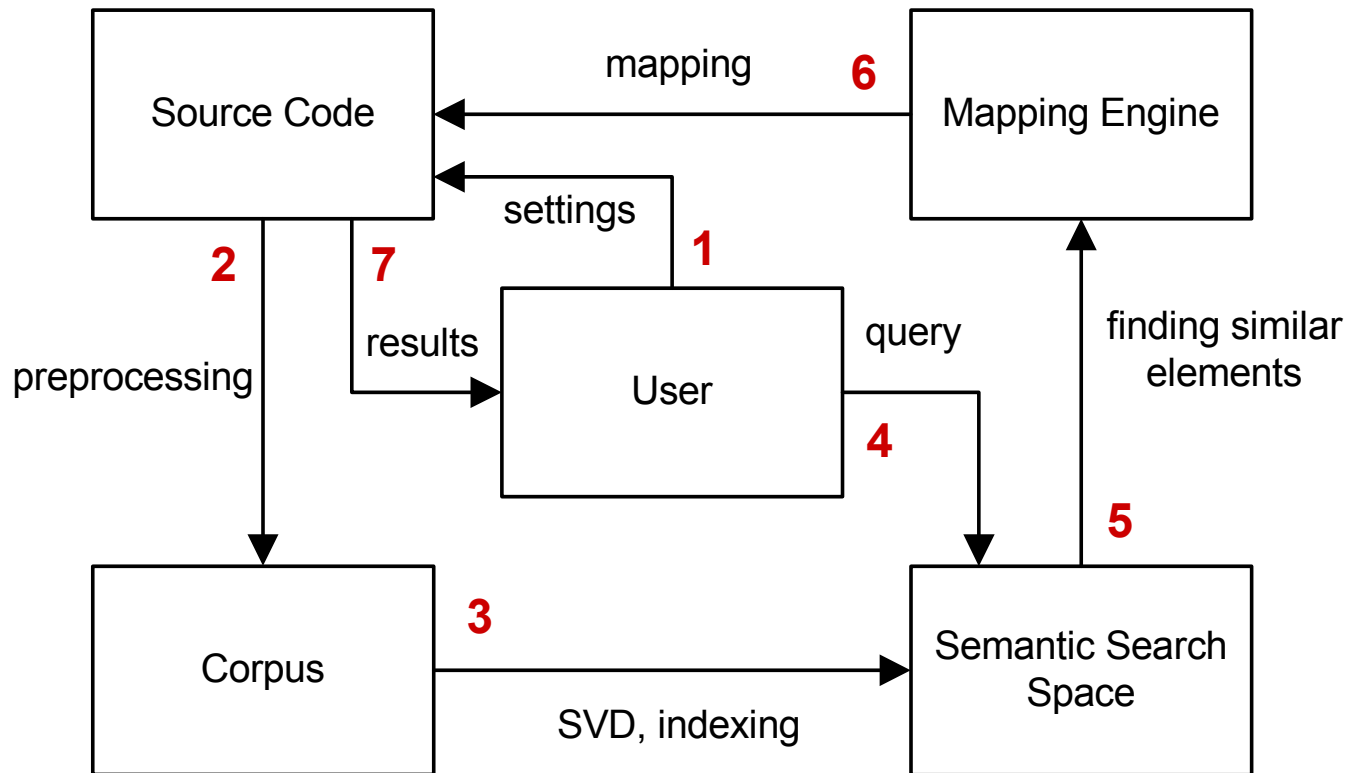


- “Google-like” queries
- Ranked results
- Various granularity of results (i.e., classes, methods, etc.)
- Select piece of source code and run as a query
- Use software vocabulary to generate queries

Information Retrieval based Software Searching for Java

- Fragment-based search
- Software vocabulary
- Options to customize indexing process
- Scope of the search

Searching with JIRiSS



Conclusions

- Pros
 - Simple and flexible to use
 - Returns ranked results – advantage over grep
- Cons
 - Misses some data elements (granularity)
 - Depends on the quality of comments and identifiers (grep has the same problem)
 - Scalability