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| Package | Classes | Comments |
| Galagosearch.core.eval | Contains two evaluation methods   1. Single rank test 2. Rnak to rank comparision (statisiticals) | The methods compute serveral evaluation metrics for rank vs. judgement and rank vs. rank |
| Galagosearch.core.eval.stat | Statistical functions for evaluation | New metrics can be implemented here |
| Galago.core. index | The main indexing strategy is implemented in this package  Interface Classes   * IndexElement * QueryInterator   Important Classes   * PositionIndexReader * DocumentNameReader & DocumentLength | In order to perform n-gram indexing, the IndexElement is extended to multi-grams |
| Galagosearch.core.parse | Important Classes   * Document   + Contains document identifier, list of terms, plain text, Tags, metadata * TagTokenizer   + Extracts text from tokens * Tags   + Xml tags in document with attributes | The corresponding tag in the xml indicate question, answer zones |
| galagosearch.core.retrieval | Interface Classes  The interface classes implement the classes from retrieval.structured and retrieval.query   * Retrieval   + The transformquery method converts the query into the complete representation | To implement PRM, a new query is constructed along with some methods to count terms per zone |
| galagosearch.core.retrieval.structured | Module processes the structured query  Important Classes   * Extent * ExtentDisjunctionIterator * ExtentInsideIterator   + #inside operator is implemented. * FeatureFactory   + Implements all Galago operators * Structured Retrieval | The classes for PRM in semi-structured doc is implemented using existing Galago operators |
| galagosearch.core.retrieval.query | Useful Classes   * Node * SimpleQuery * StructuredQuery   + Evaluates each node of structured queries by first evaluating operator and then traversing the query tree * Traversal   + Interfaces the term by term iteration in query tree |  |
| galagosearch.core.retrieval.traversal | Useful Classes   * AddCombineTraversal * ImplicitFeatureTraversal |  |
| galagosearch.core.scoring | Useful Classes   * Implements several smoothing algorithms |  |