**Bold:** Enumerations; *Italic*: Interfaces; Underline: abstract classes

**Tree:**

* *lucene-core-7.3.0.jar*
  + Analysis
    - Analyzer
      * StopwordAnalyzerBase
        + StandardAnalyzer
        + StopAnalyzer
      * WhitespaceAnalyzer
      * SimpleAnalyzer
    - CharFilter
    - AttributeSource
      * TokenStream
        + Tokenizer

StandardTokenizer

CharTokenizer

WhitespaceTokenizer

LetterTokenizer

* + - * + TokenFilter

StandardFilter

LowerCaseFilter

FilteringTokenFilter

StopFilter

* + - CharArraySet
  + Document
    - Document
    - Field
      * **Field.Store**
      * DoublePoint
      * FloatPoint
      * IntPoint
      * LongPoint
      * StoredField
      * StringField
      * TextField
    - FieldType
  + Index
    - *IndexableField*
    - *IndexableFieldType*
    - **IndexOptions**
    - IndexWriter
    - LiveIndexWriterConfig
      * IndexWriterConfig
      * **IndexWriterConfig.OpenMode**
    - IndexReader
      * CompositeReader
        + BaseCompositeReader

DirectoryReader

StandardDirectoryReader

* + - Term
    - DocIdSetIterator
      * PostingsEnum
    - TermsEnum
    - Terms
    - Fields
      * FieldsProducer
  + Store
    - Directory
      * BaseDirectory
        + RAMDirectory
        + FSDirectory

MMapDirectory

NIOFSDirectory

SimpleFSDirectory

* + - IOContext
      * **IOContext.Context**
    - DataOutput
      * IndexOutput
    - DataInput
      * IndexInput
  + Search
    - IndexSearcher
    - TopDocs
    - ScoreDoc
    - Query
      * BooleanQuery
        + BooleanQuery.Builder
      * BoostQuery
      * MultiPhraseQuery
        + MultiPhraseQuery.Builder
      * PhraseQuery
        + PhraseQuery.Builder
      * TermQuery
      * MultiTermQuery
        + AutomatonQuery

PrefixQuery

WildcardQuery

TermRangeQuery

* + - * + FuzzyQuery
    - Explanation
    - BooleanClause
      * **BooleanClause.Occur**
    - Similarities
      * Independence
      * BasicModel
      * AfterEffect
      * Normalization
      * Distribution
      * Lambda
      * Similarity
        + SimilarityBase

Axiomatic

DFISimilarity

DFRSimilarity

IBSimilarity

LMSimilarity

*LMSimilarity.CollectionModel*

LMSimilarity.DefaultCollectionModel

LMSimilarity.LMStats

LMDirichletSimilarity

LMJelinekMercerSimilarity

* + - * + BM25Similarity
        + TFIDFSimilarity

ClassicSimilarity

* + - * + BooleanSimilarity
        + MultiSimilarity
        + PerFieldSimilarityWrapper
  + Util
    - AttributeSource
    - BytesRef
    - QueryBuilder
* *lucene-queryparser-7.3.0.jar*
  + Classic
    - QueryBuilder
      * QueryParserBase
        + QueryParser
  + Simple
    - QueryBuilder
      * SimpleQueryParser