**<?xml version="1.0" encoding="UTF-8" ?>**

 *<!--*

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 *-->*

 *<!--*

 *Description: This document contains Solr 3.1 schema definition to*

 *be used with Solr integration currently build into Nutch. See*

 *https://issues.apache.org/jira/browse/NUTCH-442*

 *https://issues.apache.org/jira/browse/NUTCH-699*

 *https://issues.apache.org/jira/browse/NUTCH-994*

 *https://issues.apache.org/jira/browse/NUTCH-997*

 *https://issues.apache.org/jira/browse/NUTCH-1058*

 *and*

 *http://svn.apache.org/viewvc/lucene/dev/branches/branch\_3x/solr/*

 *example/solr/conf/schema.xml?view=markup*

 *for more info.*

 *-->*

<schema name="nutch" version="1.5">

 <types>

 <fieldType name="text" class="solr.TextField" positionIncrementGap="100" autoGeneratePhraseQueries="true">

 <analyzer type="index">

 <tokenizer class="solr.WhitespaceTokenizerFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt" enablePositionIncrements="true" />

 <filter class="solr.WordDelimiterFilterFactory" generateWordParts="1" generateNumberParts="1" catenateWords="1" catenateNumbers="1" catenateAll="0" splitOnCaseChange="1"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 <filter class="solr.KeywordMarkerFilterFactory" protected="protwords.txt"/>

 <filter class="solr.RemoveDuplicatesTokenFilterFactory" />

 <filter class="solr.SnowballPorterFilterFactory" language="English" />

 </analyzer>

 <analyzer type="query">

 <tokenizer class="solr.WhitespaceTokenizerFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt" enablePositionIncrements="true" />

 <filter class="solr.SynonymFilterFactory" synonyms="synonyms.txt" ignoreCase="true" expand="true"/>

 <filter class="solr.WordDelimiterFilterFactory" generateWordParts="1" generateNumberParts="1" catenateWords="0" catenateNumbers="0" catenateAll="0" splitOnCaseChange="1"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 <filter class="solr.KeywordMarkerFilterFactory" protected="protwords.txt"/>

 <filter class="solr.RemoveDuplicatesTokenFilterFactory" />

 <filter class="solr.SnowballPorterFilterFactory" language="English" />

 </analyzer>

 </fieldType>

 <fieldType name="string" class="solr.StrField" sortMissingLast="true"

 omitNorms="true"/>

 <fieldType name="long" class="solr.TrieLongField" precisionStep="0"

 omitNorms="true" positionIncrementGap="0"/>

 <fieldType name="int" class="solr.TrieIntField" precisionStep="0" omitNorms="true" positionIncrementGap="0"/>

 <fieldType name="float" class="solr.TrieFloatField" precisionStep="0"

 omitNorms="true" positionIncrementGap="0"/>

 *<!-- boolean type: "true" or "false" -->*

 <fieldType name="boolean" class="solr.BoolField" sortMissingLast="true" omitNorms="true"/>

 *<!--Binary data type. The data should be sent/retrieved in as Base64 encoded Strings -->*

 <fieldtype name="binary" class="solr.BinaryField"/>

 <fieldType name="double" class="solr.TrieDoubleField" precisionStep="0" omitNorms="true" positionIncrementGap="0"/>

 <fieldType name="tint" class="solr.TrieIntField" precisionStep="8" omitNorms="true" positionIncrementGap="0"/>

 <fieldType name="tfloat" class="solr.TrieFloatField" precisionStep="8" omitNorms="true" positionIncrementGap="0"/>

 <fieldType name="tlong" class="solr.TrieLongField" precisionStep="8" omitNorms="true" positionIncrementGap="0"/>

 <fieldType name="tdouble" class="solr.TrieDoubleField" precisionStep="8" omitNorms="true" positionIncrementGap="0"/>

 <fieldType name="tdate" class="solr.TrieDateField" omitNorms="true" precisionStep="6" positionIncrementGap="0"/>

 *<!-- A general unstemmed text field - good if one does not know the language of the field -->*

 <fieldType name="textgen" class="solr.TextField" positionIncrementGap="100">

 <analyzer type="index">

 <tokenizer class="solr.WhitespaceTokenizerFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt" enablePositionIncrements="true" />

 <filter class="solr.WordDelimiterFilterFactory" generateWordParts="1" generateNumberParts="1" catenateWords="1" catenateNumbers="1" catenateAll="0" splitOnCaseChange="0"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 </analyzer>

 <analyzer type="query">

 <tokenizer class="solr.WhitespaceTokenizerFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt" enablePositionIncrements="true" />

 <filter class="solr.SynonymFilterFactory" synonyms="synonyms.txt" ignoreCase="true" expand="true"/>

 <filter class="solr.WordDelimiterFilterFactory" generateWordParts="1" generateNumberParts="1" catenateWords="0" catenateNumbers="0" catenateAll="0" splitOnCaseChange="0"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 </analyzer>

 </fieldType>

 <fieldType name="random" class="solr.RandomSortField" indexed="true" />

 <fieldType name="date" class="solr.TrieDateField" precisionStep="0"

 omitNorms="true" positionIncrementGap="0"/>

<fieldType name="fullText" class="solr.TextField" positionIncrementGap="100" autoGeneratePhraseQueries="true">

 <analyzer type="index">

 <tokenizer class="solr.WhitespaceTokenizerFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt" enablePositionIncrements="true" />

 <filter class="solr.WordDelimiterFilterFactory" generateWordParts="1" generateNumberParts="1" catenateWords="1" catenateNumbers="1" catenateAll="0" splitOnCaseChange="1"/>

 <charFilter class="solr.MappingCharFilterFactory" mapping="mapping-FoldToASCII.txt"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 <filter class="solr.KeywordMarkerFilterFactory" protected="protwords.txt"/>

 <filter class="solr.RemoveDuplicatesTokenFilterFactory" />

 <filter class="solr.SnowballPorterFilterFactory" language="English" />

 </analyzer>

 <analyzer type="query">

 <tokenizer class="solr.WhitespaceTokenizerFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt" enablePositionIncrements="true" />

 <filter class="solr.SynonymFilterFactory" synonyms="synonyms.txt" ignoreCase="true" expand="true"/>

 <filter class="solr.WordDelimiterFilterFactory" generateWordParts="1" generateNumberParts="1" catenateWords="0" catenateNumbers="0" catenateAll="0" splitOnCaseChange="1"/>

 <charFilter class="solr.MappingCharFilterFactory" mapping="mapping-FoldToASCII.txt" />

 <filter class="solr.LowerCaseFilterFactory"/>

 <filter class="solr.KeywordMarkerFilterFactory" protected="protwords.txt"/>

 <filter class="solr.RemoveDuplicatesTokenFilterFactory" />

 <filter class="solr.SnowballPorterFilterFactory" language="English" />

 </analyzer>

 </fieldType>

 *<!-- For Spellcheck -->*

 <fieldType name="textSpell" class="solr.TextField" positionIncrementGap="100">

 <analyzer type="index">

 <tokenizer class="solr.StandardTokenizerFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt" enablePositionIncrements="true" />

 <filter class="solr.LowerCaseFilterFactory"/>

 <filter class="solr.RemoveDuplicatesTokenFilterFactory"/>

 </analyzer>

 <analyzer type="query">

 <tokenizer class="solr.StandardTokenizerFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt" enablePositionIncrements="true" />

 <filter class="solr.SynonymFilterFactory" synonyms="synonyms.txt" ignoreCase="true" expand="true"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 <filter class="solr.RemoveDuplicatesTokenFilterFactory"/>

 </analyzer>

 </fieldType>

 *<!-- lowercases the entire field value, keeping it as a single token. -->*

 <fieldType name="lowercase" class="solr.TextField" positionIncrementGap="100">

 <analyzer>

 <tokenizer class="solr.KeywordTokenizerFactory"/>

 <filter class="solr.LowerCaseFilterFactory" />

 </analyzer>

 </fieldType>

 <fieldType name="url" class="solr.TextField"

 positionIncrementGap="100">

 <analyzer>

 <tokenizer class="solr.StandardTokenizerFactory"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 <filter class="solr.WordDelimiterFilterFactory"

 generateWordParts="1" generateNumberParts="1"/>

 </analyzer>

 </fieldType>

 *<!-- Field Defination Suggesting single words -->*

 <fieldType class="solr.TextField" name="text\_auto" positionIncrementGap="100">

 <analyzer>

 <tokenizer class="solr.WhitespaceTokenizerFactory"/>

 <filter class="solr.WordDelimiterFilterFactory" generateWordParts="1" generateNumberParts="1" catenateWords="1" catenateNumbers="1" catenateAll="0" splitOnCaseChange="1"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 </analyzer>

 </fieldType>

 *<!-- Field Defination Suggesting phrase -->*

*<!--*

 *<fieldType class="solr.TextField" name="text\_auto">*

 *<analyzer>*

 *<tokenizer class="solr.KeywordTokenizerFactory"/>*

 *<filter class="solr.LowerCaseFilterFactory"/>*

 *</analyzer>*

 *</fieldType>*

*-->*

<fieldType name="autocomplete" class="solr.TextField" positionIncrementGap="100">

 <analyzer>

 <tokenizer class="solr.StandardTokenizerFactory"/>

 <filter class="solr.LowerCaseFilterFactory"/>

 <filter class="solr.StopFilterFactory" ignoreCase="true" words="stopwords.txt"/>

 <filter class="solr.ShingleFilterFactory" maxShingleSize="2" outputUnigrams="false"/>

 <filter class="solr.RemoveDuplicatesTokenFilterFactory"/>

 </analyzer>

</fieldType>

 </types>

 <fields>

 <field name="id" type="string" stored="true" indexed="true" required="true" multiValued="false" />

 *<!-- Spellcheck field -->*

 <field name="spell" type="textSpell" indexed="true" stored="false" required="false" multiValued="true" />

 *<!-- For Sorting purpose -->*

 <field name="titleSort" type="lowercase" indexed="true" stored="false" required="false" multiValued="true"/>

 *<!-- core fields -->*

 <field name="segment" type="string" stored="true" indexed="false"/>

 <field name="digest" type="string" stored="true" indexed="false"/>

 <field name="boost" type="float" stored="true" indexed="false"/>

 *<!-- fields for index-basic plugin -->*

 <field name="host" type="url" stored="false" indexed="true"/>

 <field name="site" type="string" stored="true" indexed="true"/>

 <field name="url" type="url" stored="true" indexed="true"/>

 <field name="content" type="text" stored="true" indexed="true"/>

 <field name="title" type="text" stored="true" indexed="true"/>

*<!-- <field name="metatag.title" type="text" stored="true" indexed="true" multiValued="true"/> -->*

 <field name="cache" type="string" stored="true" indexed="false"/>

 <field name="tstamp" type="date" stored="true" indexed="true"/>

 <field name="\_version\_" type="long" indexed="true" stored="true"/>

 *<!-- fields for index-anchor plugin -->*

 <field name="anchor" type="string" stored="true" indexed="true"

 multiValued="true"/>

 *<!-- Field for auto suggestion -->*

 <field name="name\_autocomplete" type="text\_auto" indexed="true" stored="true" multiValued="false" />

 <field name="ac-terms" type="autocomplete" indexed="true" stored="false" multiValued="true" omitNorms="true" omitTermFreqAndPositions="false" />

 *<!-- fields for index-more plugin -->*

 <field name="type" type="string" stored="true" indexed="true"

 multiValued="true"/>

 <field name="contentLength" type="long" stored="true"

 indexed="false"/>

 <field name="lastModified" type="date" stored="true"

 indexed="false"/>

 <field name="date" type="date" stored="true" indexed="true"/>

 *<!-- fields for languageidentifier plugin -->*

 <field name="lang" type="string" stored="true" indexed="true"/>

*<!-- KS -->*

<field name="metatag.description" type="text" stored="true" indexed="true"/>

<field name="description" type="text" stored="true" indexed="true"/>

<field name="metatag.keywords" type="text" stored="true" indexed="true"/>

<field name="keywords" type="text" stored="true" indexed="true"/>

 *<!-- fields for subcollection plugin -->*

 <field name="subcollection" type="string" stored="true"

 indexed="true" multiValued="true"/>

 *<!-- fields for feed plugin (tag is also used by microformats-reltag)-->*

 <field name="author" type="string" stored="true" indexed="true"/>

 <field name="tag" type="string" stored="true" indexed="true" multiValued="true"/>

 <field name="feed" type="string" stored="true" indexed="true"/>

 <field name="publishedDate" type="date" stored="true"

 indexed="true"/>

 <field name="updatedDate" type="date" stored="true"

 indexed="true"/>

 *<!-- fields for creativecommons plugin -->*

 <field name="cc" type="string" stored="true" indexed="true"

 multiValued="true"/>

*<!-- This field has been added to implement the default search configuration -->*

 <field name="text" type="fullText" indexed="true" stored="false" required="false" multiValued="true" />

*<!-- For Extract Handler -->*

 *<!-- copyField commands copy one field to another at the time a document*

 *is added to the index. It's used either to index the same field differently,*

 *or to add multiple fields to the same field for easier/faster searching. -->*

 <copyField source="anchor" dest="text"/>

 <copyField source="title" dest="text"/>

 <copyField source="content" dest="text"/>

*<!-- <copyField source="description" dest="text"/>-->*

*<!-- <copyField source="keywords" dest="text"/> -->*

 *<!-- For Spell Check -->*

 <copyField source="anchor" dest="spell"/>

 <copyField source="title" dest="spell"/>

*<!-- <copyField source="content" dest="spell"/> commented on 26112015 -->*

 <copyField source="keywords" dest="spell"/>

 <copyField source="description" dest="spell"/>

 *<!-- Copy Field for auto suggestion -->*

 <copyField source="title" dest="name\_autocomplete" />

 <copyField source="title" dest="ac-terms"/>

 *<!-- For Sorting purpose -->*

 *<!-- Dynamic field definitions. If a field name is not found, dynamicFields*

 *will be used if the name matches any of the patterns.*

 *RESTRICTION: the glob-like pattern in the name attribute must have*

 *a "\*" only at the start or the end.*

 *EXAMPLE: name="\*\_i" will match any field ending in \_i (like myid\_i, z\_i)*

 *Longer patterns will be matched first. if equal size patterns*

 *both match, the first appearing in the schema will be used. -->*

 <dynamicField name="\*\_i" type="int" indexed="true" stored="true"/>

 <dynamicField name="\*\_s" type="string" indexed="true" stored="true"/>

 <dynamicField name="\*\_l" type="long" indexed="true" stored="true"/>

 <dynamicField name="\*\_t" type="text" indexed="true" stored="true"/>

 <dynamicField name="\*\_b" type="boolean" indexed="true" stored="true"/>

 <dynamicField name="\*\_f" type="float" indexed="true" stored="true"/>

 <dynamicField name="\*\_d" type="double" indexed="true" stored="true"/>

 <dynamicField name="\*\_dt" type="date" indexed="true" stored="true"/>

 *<!-- some trie-coded dynamic fields for faster range queries -->*

 <dynamicField name="\*\_ti" type="tint" indexed="true" stored="true"/>

 <dynamicField name="\*\_tl" type="tlong" indexed="true" stored="true"/>

 <dynamicField name="\*\_tf" type="tfloat" indexed="true" stored="true"/>

 <dynamicField name="\*\_td" type="tdouble" indexed="true" stored="true"/>

 <dynamicField name="\*\_tdt" type="tdate" indexed="true" stored="true"/>

 <dynamicField name="attr\_\*" type="textgen" indexed="true" stored="true" multiValued="true"/>

 <dynamicField name="random\_\*" type="random" />

 </fields>

 <uniqueKey>id</uniqueKey>

 <defaultSearchField>text</defaultSearchField>

 <solrQueryParser defaultOperator="OR"/>

 <similarity class="org.apache.lucene.search.similarities.DefaultSimilarity"/>

</schema>