package com.twitter.search.core.earlybird.index.column;

import java.io.IOException;

import java.util.concurrent.ConcurrentHashMap;

import com.twitter.search.common.schema.base.Schema;

import com.twitter.search.core.earlybird.index.DocIDToTweetIDMapper;

public class UnoptimizedDocValuesManager extends DocValuesManager {

public UnoptimizedDocValuesManager(Schema schema, int segmentSize) {

super(schema, segmentSize);

}

private UnoptimizedDocValuesManager(

Schema schema,

int segmentSize,

ConcurrentHashMap<String, ColumnStrideFieldIndex> columnStrideFields) {

super(schema, segmentSize, columnStrideFields);

}

@Override

protected ColumnStrideFieldIndex newByteCSF(String field) {

return new ColumnStrideByteIndex(field, segmentSize);

}

@Override

protected ColumnStrideFieldIndex newIntCSF(String field) {

return new ColumnStrideIntIndex(field, segmentSize);

}

@Override

protected ColumnStrideFieldIndex newLongCSF(String field) {

return new ColumnStrideLongIndex(field, segmentSize);

}

@Override

protected ColumnStrideFieldIndex newMultiIntCSF(String field, int numIntsPerField) {

return new ColumnStrideMultiIntIndex(field, segmentSize, numIntsPerField);

}

@Override

public DocValuesManager optimize(DocIDToTweetIDMapper originalTweetIdMapper,

DocIDToTweetIDMapper optimizedTweetIdMapper) throws IOException {

return new OptimizedDocValuesManager(this, originalTweetIdMapper, optimizedTweetIdMapper);

}

@Override

public FlushHandler getFlushHandler() {

return new UnoptimizedFlushHandler(this);

}

public static class UnoptimizedFlushHandler extends FlushHandler {

public UnoptimizedFlushHandler(Schema schema) {

super(schema);

}

private UnoptimizedFlushHandler(DocValuesManager docValuesManager) {

super(docValuesManager);

}

@Override

protected DocValuesManager createDocValuesManager(

Schema schema,

int maxSegmentSize,

ConcurrentHashMap<String, ColumnStrideFieldIndex> columnStrideFields) {

return new UnoptimizedDocValuesManager(schema, maxSegmentSize, columnStrideFields);

}

}

}