package com.twitter.search.common.search;

import java.io.IOException;

import org.apache.lucene.search.Collector;

/\*\*

\* Lucene Collectors throw CollectionTerminatedException to perform early termination.

\* We don't believe that throwing Exceptions to control execution flow is ideal, so we are adding

\* this class to be a base of all Twitter Collectors.

\*

\* {@link com.twitter.search.common.search.TwitterIndexSearcher} uses the {@link #isTerminated()}

\* method to perform early termination, instead of relying on CollectionTerminatedException.

\*/

public abstract class TwitterCollector implements Collector {

/\*\*

\* Subclasses should return true if they want to perform early termination.

\* This method is called every hit and should not be expensive.

\*/

public abstract boolean isTerminated() throws IOException;

/\*\*

\* Lucene API only has a method that's called before searching a segment setNextReader().

\* This hook is called after finishing searching a segment.

\* @param lastSearchedDocID is the last docid searched before termination,

\* or NO\_MORE\_DOCS if there was no early termination. This doc need not be a hit,

\* and should not be collected here.

\*/

public abstract void finishSegment(int lastSearchedDocID) throws IOException;

}