package com.twitter.product\_mixer.component\_library.model.cursor

import com.twitter.product\_mixer.core.pipeline.PipelineCursor

import com.twitter.product\_mixer.core.pipeline.UrtPipelineCursor

import com.twitter.search.common.util.bloomfilter.AdaptiveLongIntBloomFilter

/\*\*

\* Cursor model that may be used when cursoring over a unordered candidate source. On each server

\* round-trip, the server will add the IDs of the candidates into a space efficient bloom filter.

\* Then on subsequent requests the client will return the cursor, and the bloom filter can be sent to

\* the downstream's bloom filter parameter in serialized form, or exclude candidates locally via a

\* filter on the candidate source pipeline.

\*

\* @param initialSortIndex See [[UrtPipelineCursor]]

\* @param longIntBloomFilter the bloom filter to use to dedup candidate from the candidate list

\*/

case class UrtUnorderedBloomFilterCursor(

override val initialSortIndex: Long,

// space-efficient and mutable variant of the BloomFilter class used for storing long integers.

longIntBloomFilter: AdaptiveLongIntBloomFilter)

extends UrtPipelineCursor

case class UnorderedBloomFilterCursor(

longIntBloomFilter: AdaptiveLongIntBloomFilter)

extends PipelineCursor