package com.twitter.product\_mixer.core.pipeline

/\*\*

\* PipelineCursor represents any product-specific cursor model. Typically the PipelineCursor will be

\* a de-serialized base 64 thrift struct from initial request.

\*/

trait PipelineCursor

/\*\*

\* HasPipelineCursor indicates that a [[PipelineQuery]] has a cursor

\*/

trait HasPipelineCursor[+Cursor <: PipelineCursor] {

def pipelineCursor: Option[Cursor]

/\*\*

\* If the cursor is not present, this typically means that we are on the first page

\*/

def isFirstPage: Boolean = pipelineCursor.isEmpty

}

/\*\*

\* UrtPipelineCursor represents a URT product-specific cursor model. Typically the UrtPipelineCursor

\* will be a de-serialized base 64 thrift struct from initial request.

\*/

trait UrtPipelineCursor extends PipelineCursor {

/\*\* See [[UrtCursorBuilder]] for background on building initialSortIndex \*/

def initialSortIndex: Long

}

object UrtPipelineCursor {

def getCursorInitialSortIndex(query: PipelineQuery with HasPipelineCursor[\_]): Option[Long] = {

query.pipelineCursor match {

case Some(cursor: UrtPipelineCursor) => Some(cursor.initialSortIndex)

case \_ => None

}

}

}