package com.twitter.timelineranker.common

import com.twitter.servo.util.FutureArrow

import com.twitter.timelineranker.core.CandidateEnvelope

import com.twitter.timelines.model.TweetId

import com.twitter.util.Future

import scala.collection.mutable

/\*\*

\* Remove duplicate search results and order them reverse-chron.

\*/

object SearchResultDedupAndSortingTransform

extends FutureArrow[CandidateEnvelope, CandidateEnvelope] {

def apply(envelope: CandidateEnvelope): Future[CandidateEnvelope] = {

val seenTweetIds = mutable.Set.empty[TweetId]

val dedupedResults = envelope.searchResults

.filter(result => seenTweetIds.add(result.id))

.sortBy(\_.id)(Ordering[TweetId].reverse)

val transformedEnvelope = envelope.copy(searchResults = dedupedResults)

Future.value(transformedEnvelope)

}

}