package com.twitter.product\_mixer.component\_library.candidate\_source.timeline\_service

import com.twitter.product\_mixer.component\_library.model.cursor.NextCursorFeature

import com.twitter.product\_mixer.component\_library.model.cursor.PreviousCursorFeature

import com.twitter.product\_mixer.core.feature.FeatureWithDefaultOnFailure

import com.twitter.product\_mixer.core.feature.featuremap.FeatureMapBuilder

import com.twitter.product\_mixer.core.functional\_component.candidate\_source.CandidateSourceWithExtractedFeatures

import com.twitter.product\_mixer.core.functional\_component.candidate\_source.CandidatesWithSourceFeatures

import com.twitter.product\_mixer.core.model.common.identifier.CandidateSourceIdentifier

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

import com.twitter.stitch.Stitch

import com.twitter.stitch.timelineservice.TimelineService

import com.twitter.timelineservice.{thriftscala => t}

import javax.inject.Inject

import javax.inject.Singleton

case object TimelineServiceResponseWasTruncatedFeature

extends FeatureWithDefaultOnFailure[PipelineQuery, Boolean] {

override val defaultValue: Boolean = false

}

@Singleton

class TimelineServiceTweetCandidateSource @Inject() (

timelineService: TimelineService)

extends CandidateSourceWithExtractedFeatures[t.TimelineQuery, t.Tweet] {

override val identifier: CandidateSourceIdentifier =

CandidateSourceIdentifier("TimelineServiceTweet")

override def apply(request: t.TimelineQuery): Stitch[CandidatesWithSourceFeatures[t.Tweet]] = {

timelineService

.getTimeline(request).map { timeline =>

val candidates = timeline.entries.collect {

case t.TimelineEntry.Tweet(tweet) => tweet

}

val candidateSourceFeatures =

FeatureMapBuilder()

.add(TimelineServiceResponseWasTruncatedFeature, timeline.wasTruncated.getOrElse(false))

.add(PreviousCursorFeature, timeline.responseCursor.flatMap(\_.top).getOrElse(""))

.add(NextCursorFeature, timeline.responseCursor.flatMap(\_.bottom).getOrElse(""))

.build()

CandidatesWithSourceFeatures(candidates = candidates, features = candidateSourceFeatures)

}

}

}