package com.twitter.home\_mixer.product.scored\_tweets.feature\_hydrator

import com.twitter.home\_mixer.param.HomeMixerInjectionNames.RealGraphFeatureRepository

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

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

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

import com.twitter.product\_mixer.core.functional\_component.feature\_hydrator.QueryFeatureHydrator

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

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

import com.twitter.servo.repository.Repository

import com.twitter.timelines.real\_graph.{thriftscala => rg}

import com.twitter.stitch.Stitch

import com.twitter.timelines.model.UserId

import com.twitter.timelines.real\_graph.v1.thriftscala.RealGraphEdgeFeatures

import com.twitter.user\_session\_store.{thriftscala => uss}

import javax.inject.Inject

import javax.inject.Named

import javax.inject.Singleton

object RealGraphFeatures extends Feature[PipelineQuery, Option[Map[UserId, RealGraphEdgeFeatures]]]

@Singleton

class RealGraphQueryFeatureHydrator @Inject() (

@Named(RealGraphFeatureRepository) repository: Repository[Long, Option[uss.UserSession]])

extends QueryFeatureHydrator[PipelineQuery] {

override val identifier: FeatureHydratorIdentifier =

FeatureHydratorIdentifier("RealGraphFeatures")

override val features: Set[Feature[\_, \_]] = Set(RealGraphFeatures)

override def hydrate(query: PipelineQuery): Stitch[FeatureMap] = {

Stitch.callFuture {

repository(query.getRequiredUserId).map { userSession =>

val realGraphFeaturesMap = userSession.flatMap { userSession =>

userSession.realGraphFeatures.collect {

case rg.RealGraphFeatures.V1(realGraphFeatures) =>

val edgeFeatures = realGraphFeatures.edgeFeatures ++ realGraphFeatures.oonEdgeFeatures

edgeFeatures.map { edge => edge.destId -> edge }.toMap

}

}

FeatureMapBuilder().add(RealGraphFeatures, realGraphFeaturesMap).build()

}

}

}

}