package com.twitter.follow\_recommendations.common.candidate\_sources.stp

import com.twitter.finagle.stats.Stat

import com.twitter.finagle.stats.StatsReceiver

import com.twitter.follow\_recommendations.common.models.HasRecentFollowedUserIds

import com.twitter.follow\_recommendations.common.models.STPGraph

import com.twitter.product\_mixer.core.model.marshalling.request.HasClientContext

import com.twitter.stitch.Stitch

import com.twitter.timelines.configapi.HasParams

import javax.inject.Inject

import javax.inject.Singleton

@Singleton

class STPGraphBuilder @Inject() (

stpFirstDegreeFetcher: STPFirstDegreeFetcher,

stpSecondDegreeFetcher: STPSecondDegreeFetcher,

statsReceiver: StatsReceiver) {

private val stats: StatsReceiver = statsReceiver.scope(this.getClass.getSimpleName)

private val firstDegreeStat: Stat = stats.stat("first\_degree\_edges")

private val secondDegreeStat: Stat = stats.stat("second\_degree\_edges")

def apply(

target: HasClientContext with HasParams with HasRecentFollowedUserIds

): Stitch[STPGraph] = stpFirstDegreeFetcher

.getFirstDegreeEdges(target).flatMap { firstDegreeEdges =>

firstDegreeStat.add(firstDegreeEdges.size)

stpSecondDegreeFetcher

.getSecondDegreeEdges(target, firstDegreeEdges).map { secondDegreeEdges =>

secondDegreeStat.add(firstDegreeEdges.size)

STPGraph(firstDegreeEdges.toList, secondDegreeEdges.toList)

}

}

}