package com.twitter.unified\_user\_actions.adapter.social\_graph\_event

import com.twitter.socialgraph.thriftscala.LogEventContext

import com.twitter.socialgraph.thriftscala.SrcTargetRequest

import com.twitter.socialgraph.thriftscala.WriteEvent

import com.twitter.socialgraph.thriftscala.WriteRequestResult

import com.twitter.unified\_user\_actions.adapter.common.AdapterUtils

import com.twitter.unified\_user\_actions.thriftscala.ActionType

import com.twitter.unified\_user\_actions.thriftscala.EventMetadata

import com.twitter.unified\_user\_actions.thriftscala.Item

import com.twitter.unified\_user\_actions.thriftscala.ProfileInfo

import com.twitter.unified\_user\_actions.thriftscala.SourceLineage

import com.twitter.unified\_user\_actions.thriftscala.UnifiedUserAction

import com.twitter.unified\_user\_actions.thriftscala.UserIdentifier

trait BaseSocialGraphWriteEvent[T] {

def uuaActionType: ActionType

def getSrcTargetRequest(

e: WriteEvent

): Seq[SrcTargetRequest] = getSubType(e) match {

case Some(subType: Seq[T]) =>

getWriteRequestResultFromSubType(subType).collect {

case r if r.validationError.isEmpty => r.request

}

case \_ => Nil

}

def getSubType(e: WriteEvent): Option[Seq[T]]

def getWriteRequestResultFromSubType(subType: Seq[T]): Seq[WriteRequestResult]

def toUnifiedUserAction(

writeEvent: WriteEvent,

uuaAction: BaseSocialGraphWriteEvent[\_]

): Seq[UnifiedUserAction] =

uuaAction.getSrcTargetRequest(writeEvent).map { srcTargetRequest =>

UnifiedUserAction(

userIdentifier = UserIdentifier(userId = writeEvent.context.loggedInUserId),

item = getSocialGraphItem(srcTargetRequest),

actionType = uuaAction.uuaActionType,

eventMetadata = getEventMetadata(writeEvent.context)

)

}

def getSocialGraphItem(socialGraphSrcTargetRequest: SrcTargetRequest): Item = {

Item.ProfileInfo(

ProfileInfo(

actionProfileId = socialGraphSrcTargetRequest.target

)

)

}

def getEventMetadata(context: LogEventContext): EventMetadata = {

EventMetadata(

sourceTimestampMs = context.timestamp,

receivedTimestampMs = AdapterUtils.currentTimestampMs,

sourceLineage = SourceLineage.ServerSocialGraphEvents,

)

}

}