package com.twitter.frigate.pushservice.util

import com.twitter.frigate.common.base.TweetAuthor

import com.twitter.frigate.pushservice.model.PushTypes.RawCandidate

import com.twitter.hermit.predicate.socialgraph.Edge

import com.twitter.hermit.predicate.socialgraph.RelationEdge

import com.twitter.socialgraph.thriftscala.RelationshipType

/\*\*

\* This class provides utility functions for relationshipEdge for each Candidate type.

\*/

object RelationshipUtil {

/\*\*

\* Form relationEdges

\* @param candidate PushCandidate

\* @param relationship relationshipTypes for different candidate types

\* @return relationEdges for different candidate types

\*/

private def formRelationEdgeWithTargetIdAndAuthorId(

candidate: RawCandidate,

relationship: List[RelationshipType with Product]

): List[RelationEdge] = {

candidate match {

case candidate: RawCandidate with TweetAuthor =>

candidate.authorId match {

case Some(authorId) =>

val edge = Edge(candidate.target.targetId, authorId)

for {

r <- relationship

} yield RelationEdge(edge, r)

case \_ => List.empty[RelationEdge]

}

case \_ => List.empty[RelationEdge]

}

}

/\*\*

\* Form all relationshipEdges for basicTweetRelationShips

\* @param candidate PushCandidate

\* @return List of relationEdges for basicTweetRelationShips

\*/

def getBasicTweetRelationships(candidate: RawCandidate): List[RelationEdge] = {

val relationship = List(

RelationshipType.DeviceFollowing,

RelationshipType.Blocking,

RelationshipType.BlockedBy,

RelationshipType.HideRecommendations,

RelationshipType.Muting)

formRelationEdgeWithTargetIdAndAuthorId(candidate, relationship)

}

/\*\*

\* Form all relationshipEdges for F1tweetsRelationships

\* @param candidate PushCandidate

\* @return List of relationEdges for F1tweetsRelationships

\*/

def getPreCandidateRelationshipsForInNetworkTweets(

candidate: RawCandidate

): List[RelationEdge] = {

val relationship = List(RelationshipType.Following)

getBasicTweetRelationships(candidate) ++ formRelationEdgeWithTargetIdAndAuthorId(

candidate,

relationship)

}

}