package com.twitter.timelineranker.core

import com.twitter.timelines.model.UserId

/\*\*

\* Follow graph details of a given user. Includes users followed, but also followed users in various

\* states of mute.

\*

\* @param userId ID of a given user.

\* @param followedUserIds IDs of users who the given user follows.

\* @param mutuallyFollowingUserIds A subset of followedUserIds where followed users follow back the given user.

\* @param mutedUserIds A subset of followedUserIds that the given user has muted.

\* @param retweetsMutedUserIds A subset of followedUserIds whose retweets are muted by the given user.

\*/

case class FollowGraphData(

userId: UserId,

followedUserIds: Seq[UserId],

mutuallyFollowingUserIds: Set[UserId],

mutedUserIds: Set[UserId],

retweetsMutedUserIds: Set[UserId]) {

val filteredFollowedUserIds: Seq[UserId] = followedUserIds.filterNot(mutedUserIds)

val allUserIds: Seq[UserId] = filteredFollowedUserIds :+ userId

val inNetworkUserIds: Seq[UserId] = followedUserIds :+ userId

}

object FollowGraphData {

val Empty: FollowGraphData = FollowGraphData(

0L,

Seq.empty[UserId],

Set.empty[UserId],

Set.empty[UserId],

Set.empty[UserId]

)

}