package com.twitter.home\_mixer.model

import com.twitter.escherbird.{thriftscala => esb}

import com.twitter.search.common.features.{thriftscala => sc}

import com.twitter.tweetypie.{thriftscala => tp}

object ContentFeatures {

val Empty: ContentFeatures = ContentFeatures(

0.toShort,

false,

0.toShort,

0.toShort,

None,

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)

def fromThrift(ebFeatures: sc.ThriftTweetFeatures): ContentFeatures =

ContentFeatures(

length = ebFeatures.tweetLength.getOrElse(0).toShort,

hasQuestion = ebFeatures.hasQuestion.getOrElse(false),

numCaps = ebFeatures.numCaps.getOrElse(0).toShort,

numWhiteSpaces = ebFeatures.numWhitespaces.getOrElse(0).toShort,

numNewlines = ebFeatures.numNewlines,

videoDurationMs = ebFeatures.videoDurationMs,

bitRate = ebFeatures.bitRate,

aspectRatioNum = ebFeatures.aspectRatioNum,

aspectRatioDen = ebFeatures.aspectRatioDen,

widths = ebFeatures.widths.map(\_.map(\_.toShort)),

heights = ebFeatures.heights.map(\_.map(\_.toShort)),

resizeMethods = ebFeatures.resizeMethods.map(\_.map(\_.toShort)),

numMediaTags = ebFeatures.numMediaTags.map(\_.toShort),

mediaTagScreenNames = ebFeatures.mediaTagScreenNames,

emojiTokens = ebFeatures.emojiTokens.map(\_.toSet),

emoticonTokens = ebFeatures.emoticonTokens.map(\_.toSet),

faceAreas = ebFeatures.faceAreas,

dominantColorRed = ebFeatures.dominantColorRed,

dominantColorBlue = ebFeatures.dominantColorBlue,

dominantColorGreen = ebFeatures.dominantColorGreen,

numColors = ebFeatures.numColors.map(\_.toShort),

stickerIds = ebFeatures.stickerIds,

mediaOriginProviders = ebFeatures.mediaOriginProviders,

isManaged = ebFeatures.isManaged,

is360 = ebFeatures.is360,

viewCount = ebFeatures.viewCount,

isMonetizable = ebFeatures.isMonetizable,

isEmbeddable = ebFeatures.isEmbeddable,

hasSelectedPreviewImage = ebFeatures.hasSelectedPreviewImage,

hasTitle = ebFeatures.hasTitle,

hasDescription = ebFeatures.hasDescription,

hasVisitSiteCallToAction = ebFeatures.hasVisitSiteCallToAction,

hasAppInstallCallToAction = ebFeatures.hasAppInstallCallToAction,

hasWatchNowCallToAction = ebFeatures.hasWatchNowCallToAction,

dominantColorPercentage = ebFeatures.dominantColorPercentage,

posUnigrams = ebFeatures.posUnigrams.map(\_.toSet),

posBigrams = ebFeatures.posBigrams.map(\_.toSet),

semanticCoreAnnotations = ebFeatures.semanticCoreAnnotations,

tokens = ebFeatures.textTokens.map(\_.toSeq),

conversationControl = ebFeatures.conversationControl,

// media and selfThreadMetadata not carried by ThriftTweetFeatures

media = None,

selfThreadMetadata = None

)

}

case class ContentFeatures(

length: Short,

hasQuestion: Boolean,

numCaps: Short,

numWhiteSpaces: Short,

numNewlines: Option[Short],

videoDurationMs: Option[Int],

bitRate: Option[Int],

aspectRatioNum: Option[Short],

aspectRatioDen: Option[Short],

widths: Option[Seq[Short]],

heights: Option[Seq[Short]],

resizeMethods: Option[Seq[Short]],

numMediaTags: Option[Short],

mediaTagScreenNames: Option[Seq[String]],

emojiTokens: Option[Set[String]],

emoticonTokens: Option[Set[String]],

faceAreas: Option[Seq[Int]],

dominantColorRed: Option[Short],

dominantColorBlue: Option[Short],

dominantColorGreen: Option[Short],

numColors: Option[Short],

stickerIds: Option[Seq[Long]],

mediaOriginProviders: Option[Seq[String]],

isManaged: Option[Boolean],

is360: Option[Boolean],

viewCount: Option[Long],

isMonetizable: Option[Boolean],

isEmbeddable: Option[Boolean],

hasSelectedPreviewImage: Option[Boolean],

hasTitle: Option[Boolean],

hasDescription: Option[Boolean],

hasVisitSiteCallToAction: Option[Boolean],

hasAppInstallCallToAction: Option[Boolean],

hasWatchNowCallToAction: Option[Boolean],

media: Option[Seq[tp.MediaEntity]],

dominantColorPercentage: Option[Double],

posUnigrams: Option[Set[String]],

posBigrams: Option[Set[String]],

semanticCoreAnnotations: Option[Seq[esb.TweetEntityAnnotation]],

selfThreadMetadata: Option[tp.SelfThreadMetadata],

tokens: Option[Seq[String]],

conversationControl: Option[tp.ConversationControl],

)