package com.twitter.home\_mixer.product.for\_you

import com.twitter.home\_mixer.functional\_component.candidate\_source.EarlybirdCandidateSource

import com.twitter.home\_mixer.functional\_component.decorator.urt.builder.HomeFeedbackActionInfoBuilder

import com.twitter.home\_mixer.functional\_component.filter.DropMaxCandidatesFilter

import com.twitter.home\_mixer.functional\_component.filter.PreviouslyServedTweetPreviewsFilter

import com.twitter.home\_mixer.functional\_component.gate.TimelinesPersistenceStoreLastInjectionGate

import com.twitter.home\_mixer.model.HomeFeatures.AuthorEnabledPreviewsFeature

import com.twitter.home\_mixer.model.HomeFeatures.IsHydratedFeature

import com.twitter.home\_mixer.model.HomeFeatures.PersistenceEntriesFeature

import com.twitter.home\_mixer.product.for\_you.feature\_hydrator.AuthorEnabledPreviewsFeatureHydrator

import com.twitter.home\_mixer.product.for\_you.feature\_hydrator.TweetPreviewTweetypieCandidateFeatureHydrator

import com.twitter.home\_mixer.product.for\_you.filter.TweetPreviewTextFilter

import com.twitter.home\_mixer.product.for\_you.model.ForYouQuery

import com.twitter.home\_mixer.product.for\_you.param.ForYouParam.EnableTweetPreviewsCandidatePipelineParam

import com.twitter.home\_mixer.product.for\_you.param.ForYouParam.TweetPreviewsMaxCandidatesParam

import com.twitter.home\_mixer.product.for\_you.param.ForYouParam.TweetPreviewsMinInjectionIntervalParam

import com.twitter.home\_mixer.product.for\_you.query\_transformer.TweetPreviewsQueryTransformer

import com.twitter.home\_mixer.product.for\_you.response\_transformer.TweetPreviewResponseFeatureTransformer

import com.twitter.home\_mixer.service.HomeMixerAlertConfig

import com.twitter.product\_mixer.component\_library.decorator.urt.UrtItemCandidateDecorator

import com.twitter.product\_mixer.component\_library.decorator.urt.builder.contextual\_ref.ContextualTweetRefBuilder

import com.twitter.product\_mixer.component\_library.decorator.urt.builder.item.tweet.TweetCandidateUrtItemBuilder

import com.twitter.product\_mixer.component\_library.decorator.urt.builder.metadata.ClientEventInfoBuilder

import com.twitter.product\_mixer.component\_library.feature\_hydrator.query.social\_graph.PreviewCreatorsFeature

import com.twitter.product\_mixer.component\_library.filter.FeatureFilter

import com.twitter.product\_mixer.component\_library.gate.NonEmptySeqFeatureGate

import com.twitter.product\_mixer.component\_library.model.candidate.TweetCandidate

import com.twitter.product\_mixer.core.functional\_component.candidate\_source.CandidateSourceWithExtractedFeatures

import com.twitter.product\_mixer.core.functional\_component.common.alert.Alert

import com.twitter.product\_mixer.core.functional\_component.decorator.CandidateDecorator

import com.twitter.product\_mixer.core.functional\_component.feature\_hydrator.BaseCandidateFeatureHydrator

import com.twitter.product\_mixer.core.functional\_component.filter.Filter

import com.twitter.product\_mixer.core.functional\_component.gate.Gate

import com.twitter.product\_mixer.core.functional\_component.transformer.CandidateFeatureTransformer

import com.twitter.product\_mixer.core.functional\_component.transformer.CandidatePipelineQueryTransformer

import com.twitter.product\_mixer.core.functional\_component.transformer.CandidatePipelineResultsTransformer

import com.twitter.product\_mixer.core.model.common.identifier.CandidatePipelineIdentifier

import com.twitter.product\_mixer.core.model.common.identifier.FilterIdentifier

import com.twitter.product\_mixer.core.model.marshalling.response.rtf.safety\_level.TimelineHomeTweetPreviewHydrationSafetyLevel

import com.twitter.product\_mixer.core.model.marshalling.response.urt.contextual\_ref.TweetHydrationContext

import com.twitter.product\_mixer.core.pipeline.PipelineQuery

import com.twitter.product\_mixer.core.pipeline.candidate.CandidatePipelineConfig

import com.twitter.search.earlybird.{thriftscala => eb}

import com.twitter.timelines.configapi.FSParam

import com.twitter.timelines.injection.scribe.InjectionScribeUtil

import com.twitter.timelineservice.model.rich.EntityIdType

import com.twitter.timelineservice.suggests.{thriftscala => st}

import javax.inject.Inject

import javax.inject.Singleton

@Singleton

class ForYouTweetPreviewsCandidatePipelineConfig @Inject() (

earlybirdCandidateSource: EarlybirdCandidateSource,

authorEnabledPreviewsFeatureHydrator: AuthorEnabledPreviewsFeatureHydrator,

tweetPreviewsQueryTransformer: TweetPreviewsQueryTransformer,

tweetPreviewTweetypieCandidateFeatureHydrator: TweetPreviewTweetypieCandidateFeatureHydrator,

homeFeedbackActionInfoBuilder: HomeFeedbackActionInfoBuilder)

extends CandidatePipelineConfig[

ForYouQuery,

eb.EarlybirdRequest,

eb.ThriftSearchResult,

TweetCandidate

] {

val identifier: CandidatePipelineIdentifier = CandidatePipelineIdentifier("ForYouTweetPreviews")

override val supportedClientParam: Option[FSParam[Boolean]] =

Some(EnableTweetPreviewsCandidatePipelineParam)

override val gates: Seq[Gate[ForYouQuery]] = {

Seq(

TimelinesPersistenceStoreLastInjectionGate(

TweetPreviewsMinInjectionIntervalParam,

PersistenceEntriesFeature,

EntityIdType.TweetPreview

),

NonEmptySeqFeatureGate(PreviewCreatorsFeature)

)

}

override val queryTransformer: CandidatePipelineQueryTransformer[

PipelineQuery,

eb.EarlybirdRequest

] = tweetPreviewsQueryTransformer

override val candidateSource: CandidateSourceWithExtractedFeatures[

eb.EarlybirdRequest,

eb.ThriftSearchResult

] = earlybirdCandidateSource

override val featuresFromCandidateSourceTransformers: Seq[

CandidateFeatureTransformer[eb.ThriftSearchResult]

] = Seq(TweetPreviewResponseFeatureTransformer)

override val resultTransformer: CandidatePipelineResultsTransformer[

eb.ThriftSearchResult,

TweetCandidate

] = { tweet => TweetCandidate(tweet.id) }

override val preFilterFeatureHydrationPhase1: Seq[

BaseCandidateFeatureHydrator[ForYouQuery, TweetCandidate, \_]

] = Seq(

authorEnabledPreviewsFeatureHydrator,

tweetPreviewTweetypieCandidateFeatureHydrator,

)

override val filters: Seq[

Filter[ForYouQuery, TweetCandidate]

] = Seq(

PreviouslyServedTweetPreviewsFilter,

FeatureFilter

.fromFeature(FilterIdentifier("TweetPreviewVisibilityFiltering"), IsHydratedFeature),

FeatureFilter

.fromFeature(FilterIdentifier("AuthorEnabledPreviews"), AuthorEnabledPreviewsFeature),

TweetPreviewTextFilter,

DropMaxCandidatesFilter(TweetPreviewsMaxCandidatesParam)

)

override val decorator: Option[CandidateDecorator[PipelineQuery, TweetCandidate]] = {

val component = InjectionScribeUtil.scribeComponent(st.SuggestType.TweetPreview).get

val clientEventInfoBuilder = ClientEventInfoBuilder[PipelineQuery, TweetCandidate](component)

val tweetItemBuilder = TweetCandidateUrtItemBuilder[PipelineQuery, TweetCandidate](

clientEventInfoBuilder = clientEventInfoBuilder,

contextualTweetRefBuilder = Some(

ContextualTweetRefBuilder(

TweetHydrationContext(

safetyLevelOverride = Some(TimelineHomeTweetPreviewHydrationSafetyLevel),

outerTweetContext = None

)

)

),

feedbackActionInfoBuilder = Some(homeFeedbackActionInfoBuilder),

)

Some(UrtItemCandidateDecorator(tweetItemBuilder))

}

override val alerts: Seq[Alert] = Seq(

HomeMixerAlertConfig.BusinessHours.defaultSuccessRateAlert(95))

}