package com.twitter.search.earlybird\_root.common;

import javax.annotation.Nullable;

import com.google.common.base.Preconditions;

import com.twitter.search.earlybird.thrift.EarlybirdResponse;

/\*\*

\* A class that wraps an EarlybirdResponse and a flag that determines if a request was sent to a

\* service.

\*/

public final class EarlybirdServiceResponse {

public static enum ServiceState {

// The service was called (or will be called).

SERVICE\_CALLED(true),

// The service is not available (turned off by a decider, for example).

SERVICE\_NOT\_AVAILABLE(false),

// The client did not request results from this service.

SERVICE\_NOT\_REQUESTED(false),

// The service is available and the client wants results from this service, but the service

// was not called (because we got enough results from other services, for example).

SERVICE\_NOT\_CALLED(false);

private final boolean serviceWasCalled;

private ServiceState(boolean serviceWasCalled) {

this.serviceWasCalled = serviceWasCalled;

}

public boolean serviceWasCalled() {

return serviceWasCalled;

}

public boolean serviceWasRequested() {

return this != SERVICE\_NOT\_REQUESTED;

}

}

private final EarlybirdResponse earlybirdResponse;

private final ServiceState serviceState;

private EarlybirdServiceResponse(@Nullable EarlybirdResponse earlybirdResponse,

ServiceState serviceState) {

this.earlybirdResponse = earlybirdResponse;

this.serviceState = serviceState;

if (!serviceState.serviceWasCalled()) {

Preconditions.checkArgument(earlybirdResponse == null);

}

}

/\*\*

\* Creates a new EarlybirdServiceResponse instance, indicating that the service was not called.

\*

\* @param serviceState The state of the service.

\* @return a new EarlybirdServiceResponse instance, indicating that the service was not called.

\*/

public static EarlybirdServiceResponse serviceNotCalled(ServiceState serviceState) {

Preconditions.checkArgument(!serviceState.serviceWasCalled());

return new EarlybirdServiceResponse(null, serviceState);

}

/\*\*

\* Creates a new EarlybirdServiceResponse instance that wraps the given earlybird response.

\*

\* @param earlybirdResponse The EarlybirdResponse instance returned by the service.

\* @return a new EarlybirdServiceResponse instance that wraps the given earlybird response.

\*/

public static EarlybirdServiceResponse serviceCalled(EarlybirdResponse earlybirdResponse) {

return new EarlybirdServiceResponse(earlybirdResponse, ServiceState.SERVICE\_CALLED);

}

/\*\* Returns the wrapped earlybird response. \*/

@Nullable

public EarlybirdResponse getResponse() {

return earlybirdResponse;

}

/\*\* Returns the state of the service. \*/

public ServiceState getServiceState() {

return serviceState;

}

}