```
import java.sql.Timestamp;
import org.jetbrains.annotations.NotNull;
import org.jetbrains.annotations.Nullable;
import org.json.JSONObject;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
import org.springframework.core.env.Environment;
import org.springframework.stereotype.Service;
import com.davon.siemens.exception.MessageProcessCheckedException;
import okhttp3.MediaType;
import okhttp3.OkHttpClient;
import okhttp3.RequestBody;
@Service
private static final Logger LOGGER = LoggerFactory.getLogger(
         UtsQueryService.class);
   * # @param siteId
   * @param utsProductNumber
    * @param importDate
```

```
public Timestamp generateManufactureDateFromUTS(Integer siteId,
        String utsProductNumber, String lotNumber, Timestamp expireDate,
   String manufactureDate = getManufactureDateOfLotFromUTS(siteId,
        String resStr = searchMaterialUTS(siteId, utsProductNumber);
            throw new MessageProcessCheckedException(utsProductNumber
            JSONObject jsonResult = new JSONObject(resStr);
                if (JSONObject.NULL.equals(raf0mru1)
                    final Object rafOmruBirimi = urunList.getJSONObject(0)
                            utsProductNumber, expireDate, rafOmruBirimi,
private Timestamp calculateManufactureDateUsingImportDate(
        Timestamp importDate) {
```

```
cal.setTime(importDate);
   resultTimeStamp = new Timestamp(cal.getTime().getTime());
private Timestamp calculateManufactureDateUsingExpireDate(
       Object rafOmruBirimi1, Object rafOmru1)
        throws MessageProcessCheckedException {
   String rafOmruBirimi;
   if (!JSONObject.NULL.equals(rafOmruBirimi1)) {
        final String msg = utsProductNumber
    if (!JSONObject.NULL.equals(rafOmrul)) {
        final String msg = utsProductNumber + " rafOmru cannot be empty.";
   return calculateResultTimeStamp(utsProductNumber, expireDate,
private Timestamp calculateResultTimeStamp(String utsProductNumber,
```

```
return resultTimeStamp;
    final String utsQueryUrl = "/rest/tibbiCihaz/urunSorqula";
@Nullable
public String sendUTSRestQueryRequest(int siteId, String requestBody,
        String utsQueryUrl) {
   String utsToken = env.getProperty("site" + siteId + ".uts token");
    if (utsUrl != null && !"".equals(utsUrl) && utsToken != null && !""
       OkHttpClient client = new OkHttpClient().newBuilder().build();
       RequestBody body = RequestBody.create(mediaType, requestBody);
```

```
try (Response response = client.newCall(request).execute()) {
private String getManufactureDateOfLotFromUTS(int siteId,
        String utsProductNumber, String lotNumber) {
           utsProductNumber);
    final String utsQueryUrl = "/rest/ayrintiliTekilUrun/sorgula";
           utsQueryUrl);
        throw new IllegalStateException ("Request to UTS server returned: "
        JSONObject jsonDetailedProductResult = new JSONObject(
                resStrProduct);
            if (detailedProductList.length() > 1) {
                LOGGER.error(String.format(
                        .getJSONObject(0).get("uretimTarihiString");
                if (!JSONObject.NULL.equals(manufactureDate)) {
                            .toString();
                    manufactureDateFormat += " 00:00:00";
                    return manufactureDateFormat;
```