

SaWsService.java DemandGenerationRequestBean.java CallImmolsWS.java DemoRequestBean.java

* SaWsService is the Surround Apps Web Service class that Maximo will call

```
package com.iaf.webservice;
```

```
import javax.ws.rs.*;
```

```
@Path("/")
```

```
public class SaWsService {
```

```
    static Logger log = Logger.getLogger(CallImmolsWS.class.getName());
```

```
    CallImmolsWS callImmolsWS = new CallImmolsWS();
```

```
    TokenAuth tokenAuth = new TokenAuth();
```

```
    @Path("stockVisibility")
```

```
    @POST
```

```
    @Produces(MediaType.APPLICATION_JSON)
```

```
    @Consumes(MediaType.APPLICATION_JSON)
```

```
    public String stockVisibility(InputStream incomingData) throws ParseException{
```

```
        if(tokenAuth.tokenStatus()){
```

```
            log.info("Authorized Request");
```

```
            StringBuilder stringBuilder = new StringBuilder();
```

```
            try{
```

```
                BufferedReader in = new BufferedReader(new InputStreamReader(incomingData));
```

```
                String line = null;
```

```
                while((line=in.readLine())!=null){
```

```
                    stringBuilder.append(line);
```

```
                }
```

```
            }catch(Exception e){
```

```
                log.error("Error Parsing: ");
```

```
            }
```

```
            log.info("JSON Data received from Maximo: " + stringBuilder.toString());
```

```
            JSONParser parser = new JSONParser();
```

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```
} catch (Exception e) {
    log.error("Error Parsing: ");
}

log.info("JSON Data received from Maximo: " + stringBuilder.toString());

JSONParser parser = new JSONParser();
JSONObject requestJSON = (JSONObject) parser.parse(stringBuilder.toString());
log.info("Parsed JSON Data received from Maximo: " + requestJSON);
//JSONArray responseJSONArray = callImmolsWS.callImmols(requestJSON);
//String jsonReponse = "[{\"item_cat\": \"Y\", \"gig_number\": \"100\", \"item_qty\": \"1\", \"unit_location\": \"CS\"}";
String jsonReponse = "[{\"item_cat\": \"Y\", \"gig_number\": 100, \"item_qty\": \"1\", \"unit_location\": \"CSD0\", \"";

//return responseJSONArray.toString();
return jsonReponse;
}
else{
    log.info("Unauthorized Request");
    return "Authorization Failure";
}
}
```