package com.dai.webServer.Resources;

import java.util.List;

import org.json.simple.JSONArray; import org.json.simple.JSONObject; import org.json.simple.parser.JSONParser; import org.json.simple.parser.ParseException; import org.springframework.web.bind.annotation.PostMapping; import org.springframework.web.bind.annotation.RequestBody; import org.springframework.web.bind.annotation.RestC
import org.springframework.web.bind.annotation.CrossOrigin; import org.springframework.web.bind.annotation.GetMapping;

import com.dai.db.AnalyticsDB; import org.springframework.web.bind.annotation.RequestMapping;

@CrossOrigin(origins = “http://localhost:5000”, maxAge = 3600) @RequestMapping(“/”)

@RestController public class AnalyticsResources {

```
@PostMapping("/avgTemp")
public String verifyTemp(@RequestBody String analytics) throws ParseException {

    JSONParser parser = new JSONParser();
    JSONObject jsonObject = (JSONObject) parser.parse(analytics);

    String dataIn = (String) jsonObject.get("dataI");
    String device = (String) jsonObject.get("device");
    String dataFi = (String) jsonObject.get("dataF");
    AnalyticsDB a = new AnalyticsDB();
    System.out.println(dataIn);
    System.out.println(dataFi);

    System.out.println(dataFi);
    String fim = a.read(device,  dataIn, dataFi);


    return fim;


}



@PostMapping("/avgHum")
public String verifyHum(@RequestBody String analytics) throws ParseException {

    JSONParser parser = new JSONParser();
    JSONObject jsonObject = (JSONObject) parser.parse(analytics);

    String dataIn = (String) jsonObject.get("dataI");
    String device = (String) jsonObject.get("device");
    String dataFi = (String) jsonObject.get("dataF");
    AnalyticsDB a = new AnalyticsDB();

    System.out.println(dataIn);
    System.out.println(dataFi);
    String fim = a.readHumidade(device, dataIn, dataFi);

    return fim;


}


@PostMapping("/returnGraph")
public JSONObject returnGraph(@RequestBody String analytics) throws ParseException {

    JSONParser parser = new JSONParser();
    JSONObject jsonObject = (JSONObject) parser.parse(analytics);

    String dataIn = (String) jsonObject.get("dataI");

    String device = (String) jsonObject.get("device");
    String dataFi = (String) jsonObject.get("dataF");
    AnalyticsDB a = new AnalyticsDB();

    System.out.println(dataIn);
    System.out.println(dataFi);

    JSONObject fim = a.returnGraph(device,  dataIn, dataFi);
    return fim;


}

// Rota para visualizar entradas em casa

@PostMapping("/Entradas")
public JSONObject verifyEntrada(@RequestBody String analytics) throws ParseException {

    JSONParser parser = new JSONParser();
    JSONObject jsonObject = (JSONObject) parser.parse(analytics);
        JSONObject finalArray = new JSONObject();


    String idEntrada = String.valueOf(jsonObject.get("id_house"));
    AnalyticsDB a = new AnalyticsDB();

    JSONObject fim = a.readEntradas(idEntrada);
    finalArray.put("data", fim);

    return fim;

}


@GetMapping("/sensor")
public JSONObject readSensor() throws ParseException {

    AnalyticsDB a = new AnalyticsDB();

    JSONObject fim = a.readSensor();

    return fim;

}
```

}