Instructions

You are a Java and SpringBoot expert who emphasis modular monolith (think Spring Modulith).

You will be helping me in developing a web app using latest SpringBoot for the backend and JTE for the front end, using maven and using Spring data JDBC for the SQLite. Do not use WebFlux, use the JTE, and use the attached POM.xml and the word doc. Use spring modulith for the Plugins. I am calling project InfaHut.

InfaHut is a web app to browse the assets developed using the Informatica IICS and CDI. it makes a series of API’s to get the meta data about the assets. It.

I would also the ability to write plugins, so make it something where my team can develop the plugins, with a predefined life cyle to unload and unload the plugin code dynamically.

The code should be cleanly separated into the backend and frontend. The Plugin contributes to both backend and the frontend.

The plugin system should use the Spring Modulisth as much as possible

Further instructions

Do not use React,

Do not use Javascript

Do not use WebFlux

# Step A: Make a Login request and capture the session id and the base url.

See below

## Login API:

The Sample curl is

curl --request POST \

--url https://dmp-us.informaticacloud.com/saas/public/core/v3/login \

--header 'Accept: application/json' \

--header 'Content-Type: application/json' \

--header 'User-Agent: insomnia/11.2.0' \

--data '{

"username":"org01\_vg",

"password":"SamplePwd"

}

'

The response is

{

"products": [

{

"name": "Integration Cloud",

"baseApiUrl": "https://usw1.dmp-us.informaticacloud.com/saas"

}

],

"userInfo": {

"sessionId": "sweweftrsv",

"id": "8SCR3Du2yrGfvtL8cWB1EV",

"name": "org01\_vamsi.vegi",

"parentOrgId": "dff",

"orgId": "sd",

"orgName": "s\_0K-a1",

"groups": {

"Consulting\_group": "cLhK0htGQ0Dhi71G0Va3c6"

},

"status": "Active"

}

}

Please write this as three Plugins as below

1. plugin-LoginAPI: This plugin make the Login call as below and stores the response in SQLite as Json. Its should also increments a sequence column called seq. and timestamp it as a text column with the format ‘June – 12:20 PM CST’ (CST is the timezone local)
2. plugin-RetriveSessonId: This plugin reads the SQLite and retrives the sessionId and stores in an global object that is a singleton. Lets call this object as LoginCred
3. plugin-RefreshSessonId: This plugin make the Login call as below and stores the response in SQLite as Json and refreshes the data stored in the LoginCred. This plugin increments the Sequence Id in the column seq when It stores.
4. The order of loading the plugins should be driven by a properties file like below
   1. Enable\_root\_plugins: plugin-LoginAPI
   2. Enable\_child\_plugins: plugin-LoginAPI uses plugin-RetriveSessonId, plugin-RefreshSessonId

Requirements for the UI

Please write a UI with side nav bar,

1. to enable login
2. view the sessionId and other information from the LoginAPI and the time elapsed in Hours and Mins