Assignment

Task 1: Signup and Login API (Only Backend)

Description

Your task is to implement Signup and login with JWT (Access and Refresh tokens)

- User can **signup** new account with personal login & password
- User can **login** with personal login & password, server returns response with Access token and Refresh token.
- **Refresh** token helps to get new pair Access token – User now should use valid Access token to access resources – When the Access token is expired, user can't use it anymore. Validity of Access Token is 120 seconds.
- **Delete user** API for delete user from system.
- Refresh token helps to get new pair Access token.
- Stored all relevant details in MongoDB.
- Basic System design principles should be considered in implementation such as same Email is not allowed twice for signup.
- Task should be implemented in Typescript.

Task 2: Fetch API and Create Webpages (Only Frontend)

Description

This assignment is designed to test frontend programming skills and whether you can grasp a new programming language. It needs to be implemented using Angular.

Milestone 1

Fetch the response from below URL and show the data in list format (refer table below).

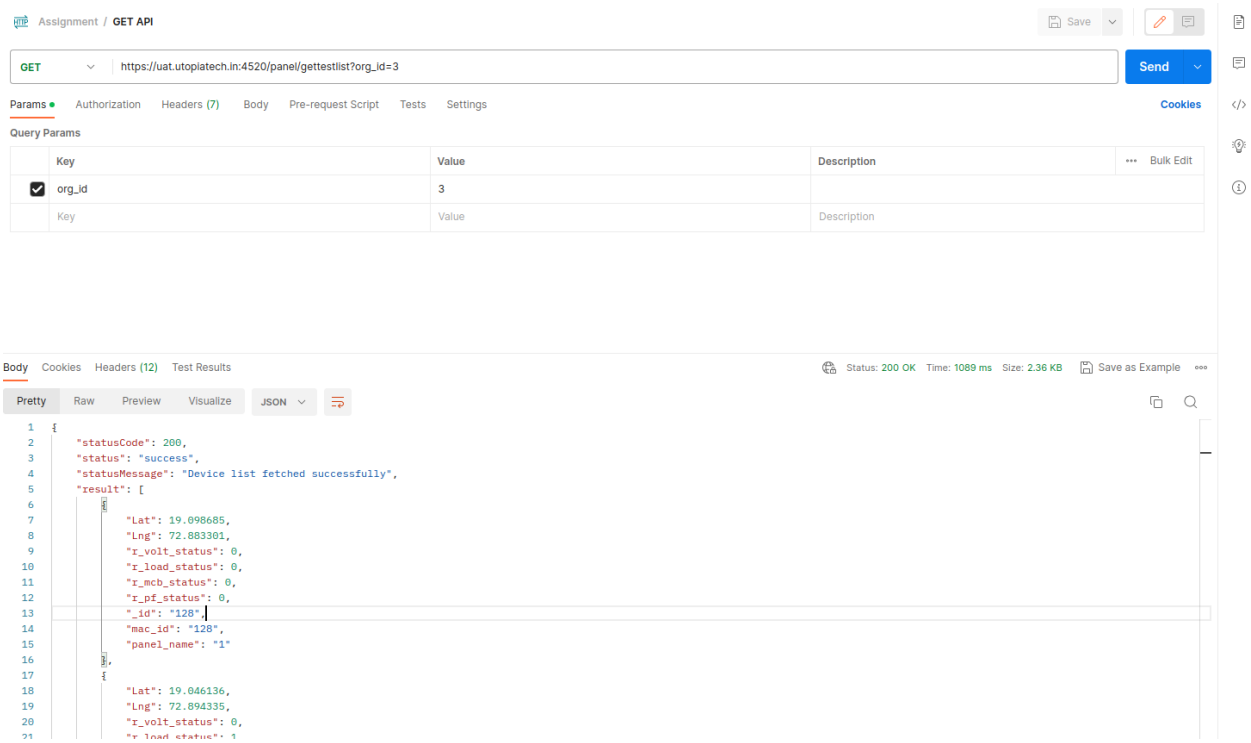
URL - https://uat.utopiatech.in:4520/panel/gettestlist?org_id=3
Request Type - get
Params - org_id = 3Response -


```
{
"statusCode":200,
 "status": "success",
"statusMessage": "Device list fetched successfully",
"result": [
  {
  "Lat": 19.098685,
   …
  }
]
}
```

Table Format:

Panel Name	Mac Id	Lat	Long	Location
17000006	ABCD	19.098685	72.883301	Location_Icon
17000007	PORS	19.767478	72.956438	Location_Icon

API Call from Postman



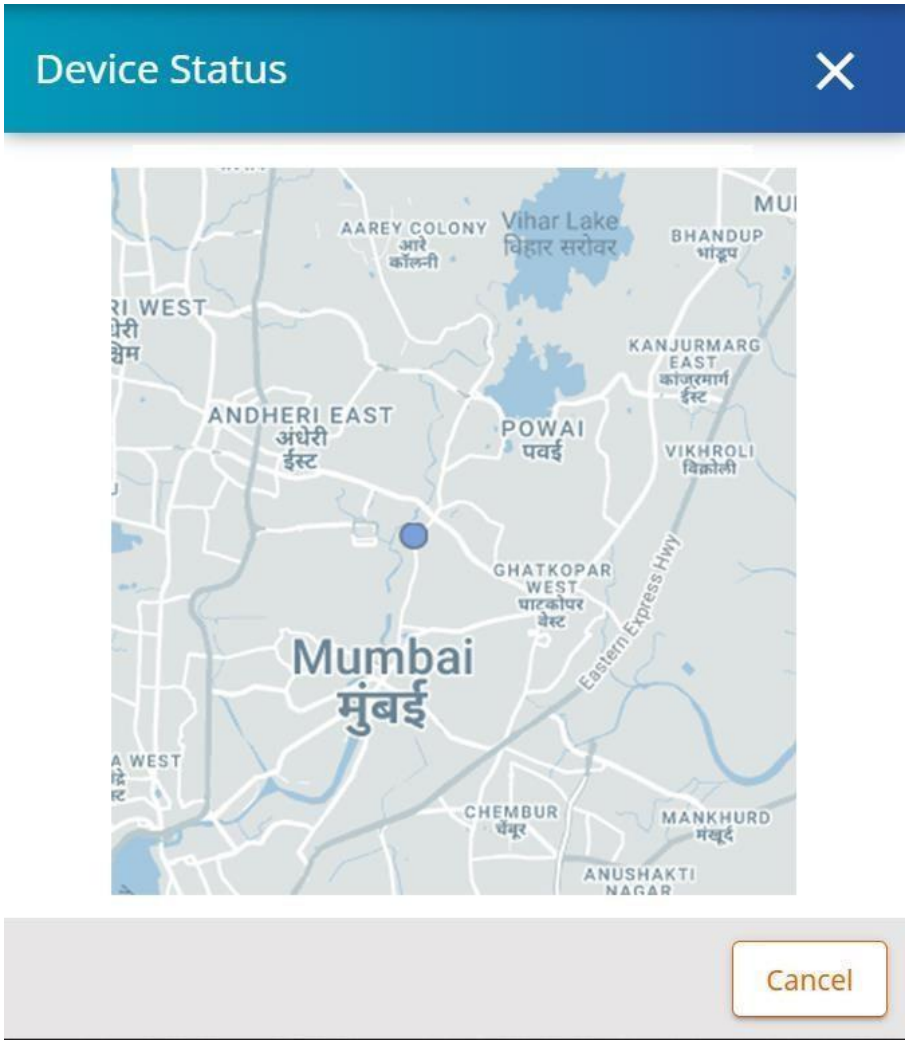
Milestone 2

If clicked on “Panel Name” (Table in Milestone 1) a Sidebar should open up. It should show details of panelin following format: -

Parameters	R Phase
Voltage Status	0
MCB Status	0
Load Status	1
PF Status	0

Milestone 3

- If clicked on Location Icon (Table in Milestone 1) a sidebar should open with map. Below is a reference Image –



- The location of the panel(marker) should be shown in the map
- On marker single click, latitude and longitude should be shown.