# REPORT OF MID TERM ADVANCED WEB PROGRAMMING



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POLITEKNIK NEGERI MALANG

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#### A. Description of the Website

The website that we created is a website about Polinema teaching systems. This website is divided into 2 levels of users, namely admin and lecturer. At the user admin level, it contains all the data of the teaching lecturer. Starting from personal information, teaching data, classes, lecturers 'positions, lecturers' research groups, etc. Admin can update, add, read and delete data. At the lecturer user level there is personal information about the lecturer, the teaching schedule of the lecturer concerned, the research group to be followed, and the courses taught. In this level user only can update personal information data.

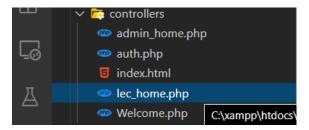
The database inside this web application is from Mr Rosa which teaches my class (TI-2G) on Project course. And since the assignment has similarities on making a web application. Our team has agreed to apply the same database in order to deliver the responsibilities effectively.

For the codes, kindly refer to <a href="https://github.com/ilhamAdhim2/UTS---Web">https://github.com/ilhamAdhim2/UTS---Web</a>

#### **B.** Website Code

#### **Lecturer Level User**

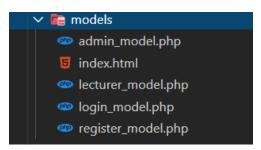
Controller of Lecturer Level User



#### Details:

- To take lecturers position, year and semester on the database.
- To take lecturer research group and the priority on the database.
- To take what subject that lecturers teach on the database.
- In line 37 is array of the lecturer personal information taken from database. The array uses for display the lecturer personal information.

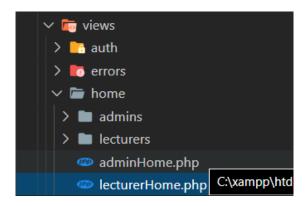
#### **Model of Lecturer Level User**



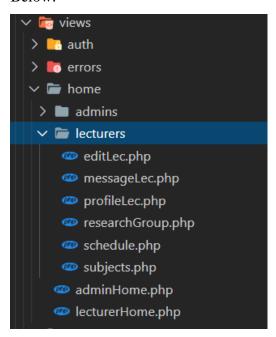
#### Details:

- Function lecPositionYear is use to get the data of lecturer position from database based on the lecturer code.
- Function lecResearchPriority is use to get the data of lecturer group research and priority from database based on lecturer code.
- Function lecSubject is use to get the data of lecturer subject from database based on the lecturer code.

#### **Home Lecturer**



It's displayed the home page of lecturer. It has navbar contain Personal information, Time schedule, Subject List, Research Group and Logout. And display the combined of all page Below.



## editLec.php

It is used to display the edit page; the user can edit the page and save it. It also makes change in database. It can edit all the data except NIP and NIDN.

### profileLec.php

#### Details:

- This code is to get the lecturer status based on database if in database that lecturer has a status it will return that status, if in the database the lecturer doesn't have status it will return You are a PNS.
- To get the lecturer NIP and NIDN if the lecturer has NIP and NIDN it will return the lecturer NIP and NIDN based on the database, if lecturer hasn't NIP or NIDN it will return not set.
- To get lecturer Position. If the lecturer has position it'll return its position, if hasn't it will return Lecturer of IT Department.

## ResearchGroup.php

It displays the point of research group that teacher do and it's priority based on the database.

# Schedule.php

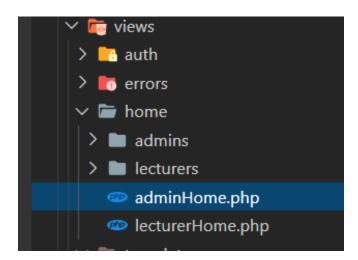
It displays the table the column is the weekday and the row is teaching time it contains the schedule of teacher teaching in one week and the hours of teaching.

# Subject.php

It displays the point of Subject that lecturer teach based on database

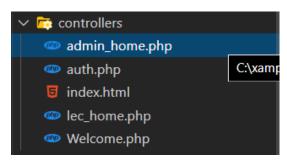
#### **Admin Code**

#### **Home Admin**



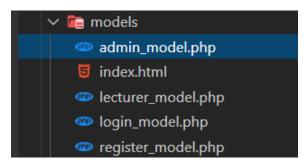
Provide the frame design of the web application in administrator user level

#### **Admin Controller**



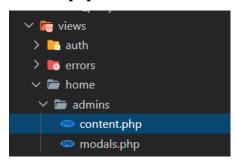
It is used as a data-provider to be used in each view of controllers and title of each page

#### **Admin Model**



This file connects the web application to the database datadosen. Each function will fetch the data based on its purpose

#### Content.php



Inside file content.php there are a table and some buttons to access and manipulate the data. But it's restricted since the CRUD is with Postman (REST\_SERVER) up to this point. The data inside the table relies heavily on which function that access it inside the controller

```
<!--
Target is used to access the modal, title as indicator, and val is the data given based on each controller -->
<?php
```

```
$this->load-
>view('home/admins/modals', ['target' => 'Create' , 'title' => $title, 'val' => $
data]);

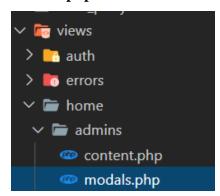
$this->load-
>view('home/admins/modals', ['target' => 'Update' , 'title' => $title, 'val' => $
data]);

$this->load-
>view('home/admins/modals', ['target' => 'Delete' , 'title' => $title, 'val' => $
data]);

?>
```

This code is used to call another view which is modals.php. the object inside it is to give title of the modal and as an identifier of button

## Modals.php

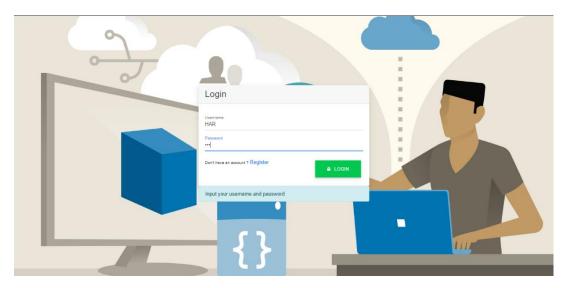


To open the modal of each button, and submit it to enable CRUD via web application

#### C. Tutorial

#### **Lecturer Level User**

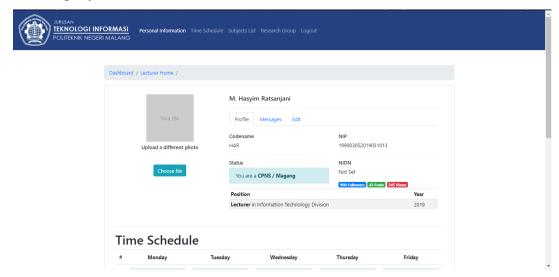
1. Login with Registered Lecturer

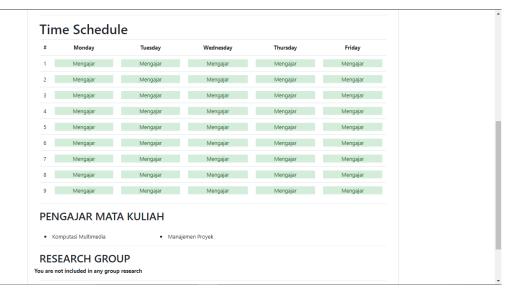


2. Or you can register new account



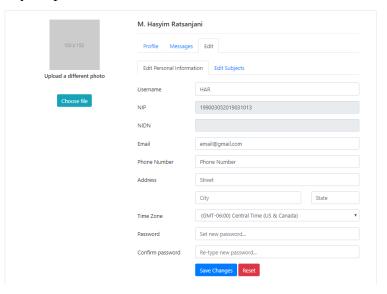
3. After login you can see the home of lecturer level user





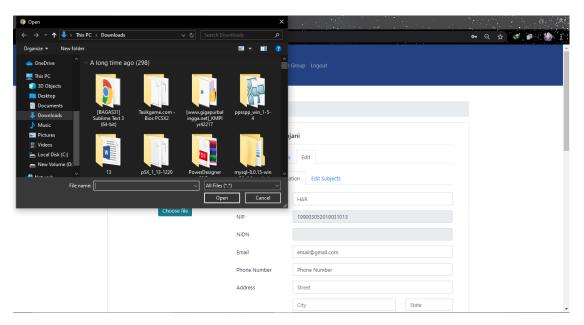
You can see the personal information about the lecturer, edit the personal information, See the Time Schedule for weekday, See the subject of lecturer, and Research Group of lecturers.

4. You can edit your personal information, click the edit

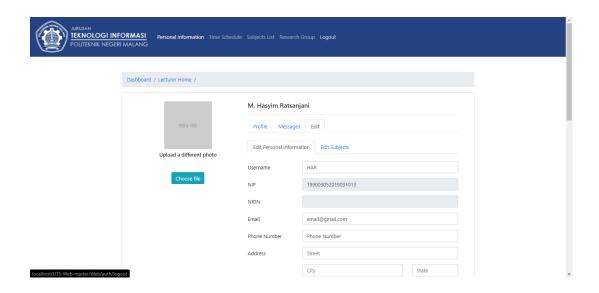


And save the changes to save the changes or reset to reset the personal information.

5. Click the choose file in the behind of photo box to upload your photo

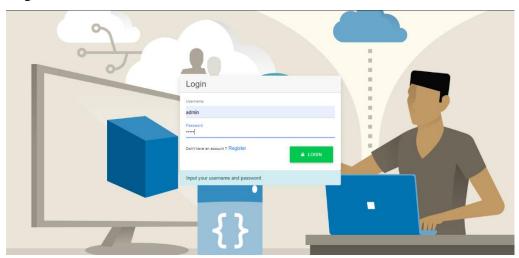


6. Click Logout to logout from lecturer

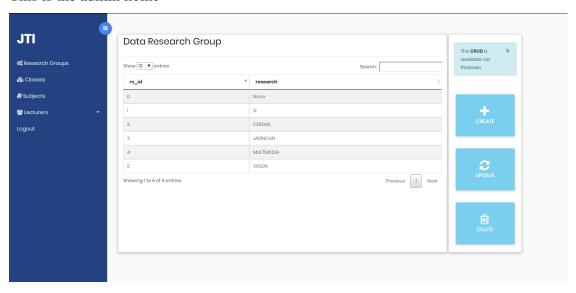


# **Admin Level User**

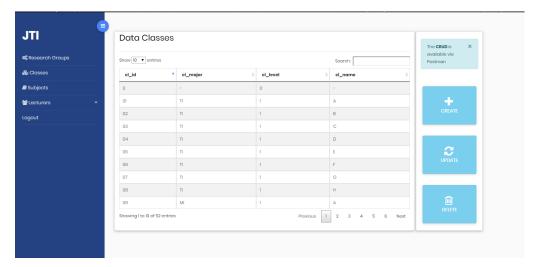
1. Login with Admin



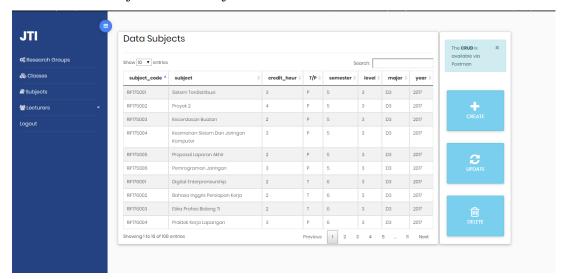
2. This is the admin home



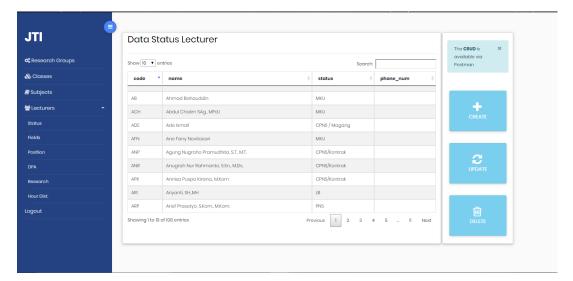
3. You can click classes for class table



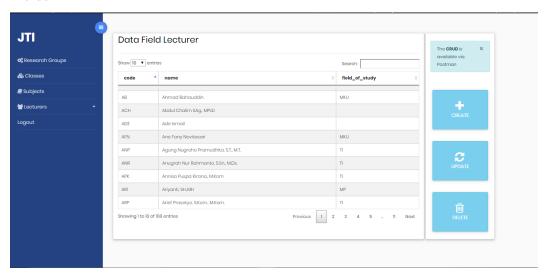
4. You can click subject for the subject table



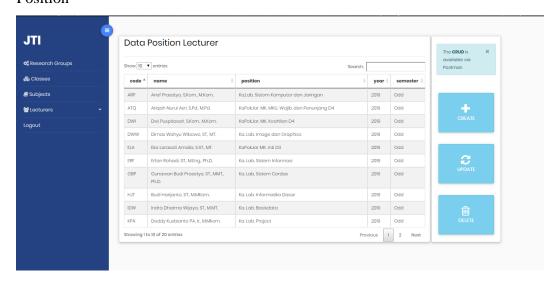
5. You can click the lecturer to show dropdown lecturer information Status



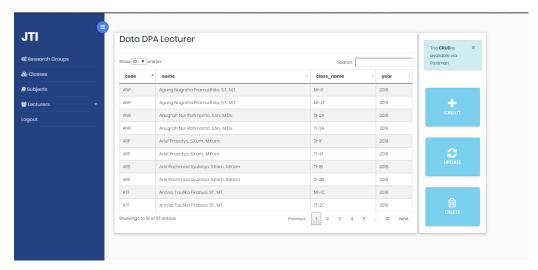
#### **Fields**



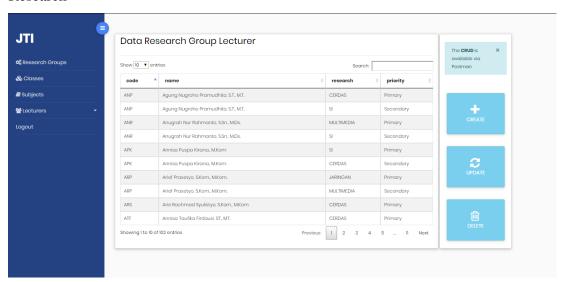
### Position



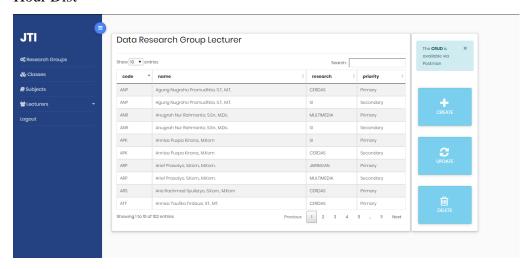
#### **DPA**



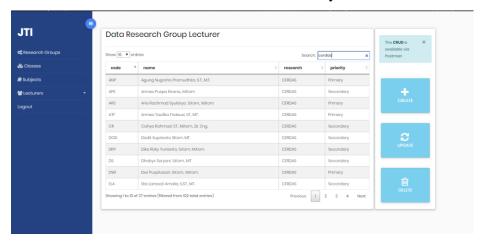
#### Research



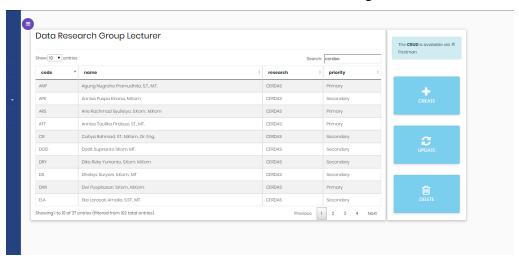
## **Hour Dist**



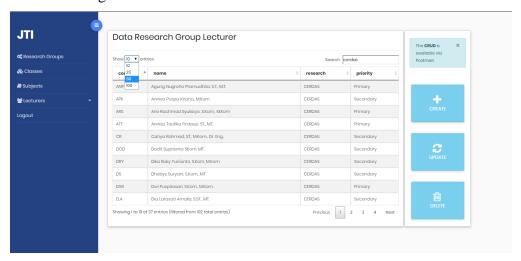
6. You can search in all the table to show data what you want



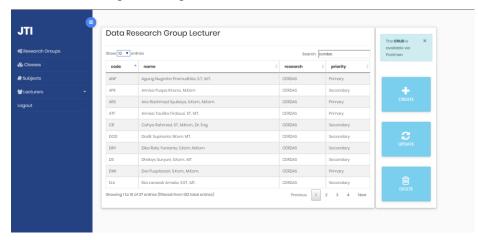
7. You can click the menu bar to hide the navbar or click again to show the navbar



8. You can change the number of row table



# 9. You can click logout to logout

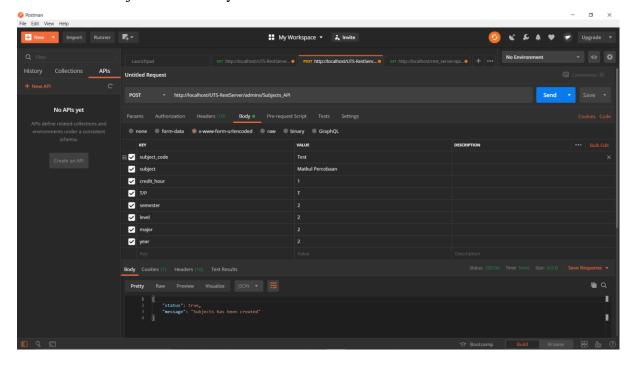


# **D.** Admins Rest Server

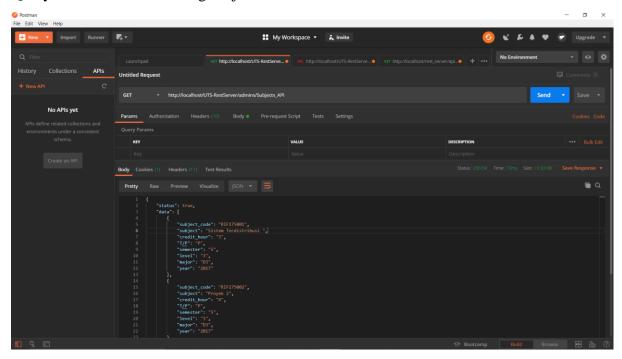
The Rest Server is in another application, the server only can give responses to HTTP access via search bar on the browser with its related parameters. Scroll down for further informations

# Subjects\_API

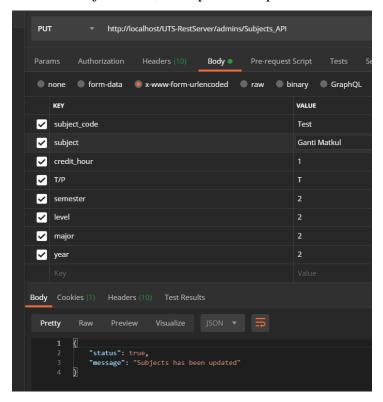
Create a new subject inside the system



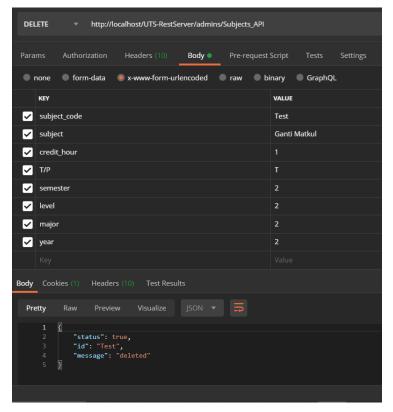
Query all the result of existing subjects in the database



Based on subject\_code, we input all the parameter on form-urlencoded to update the subject

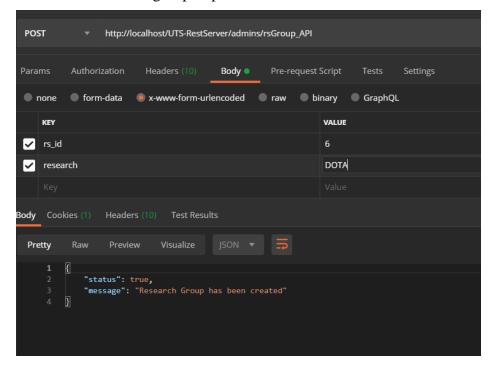


Delete subject based on subject\_code

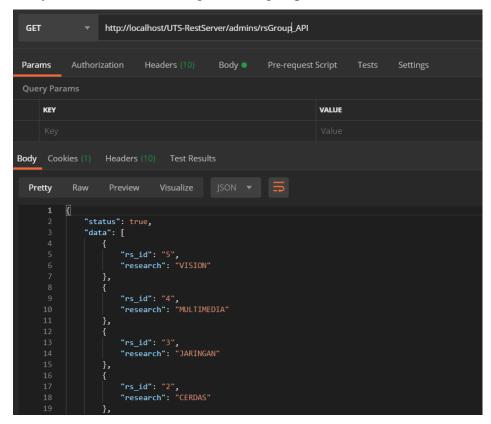


## RsGroup\_API

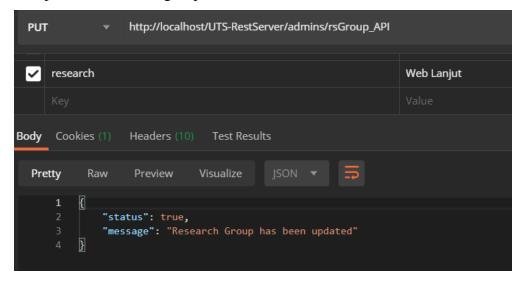
Create a new research group. Input all the information to be stored on database



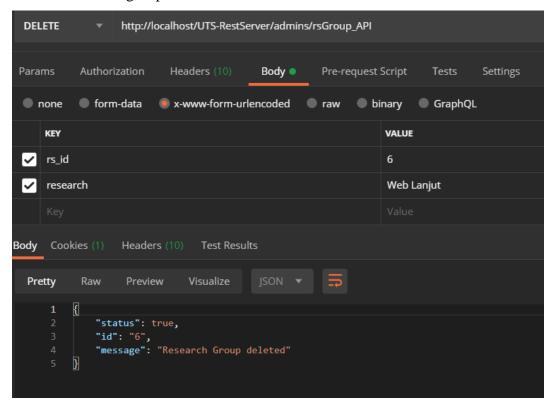
## Query all the result of existing research group in database



# We update the research group based on the id

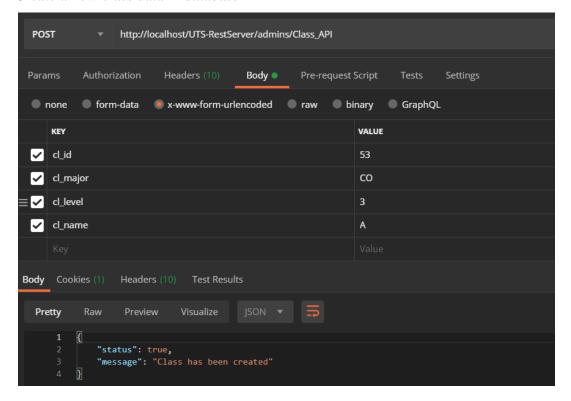


Delete a research group on a table inside the database

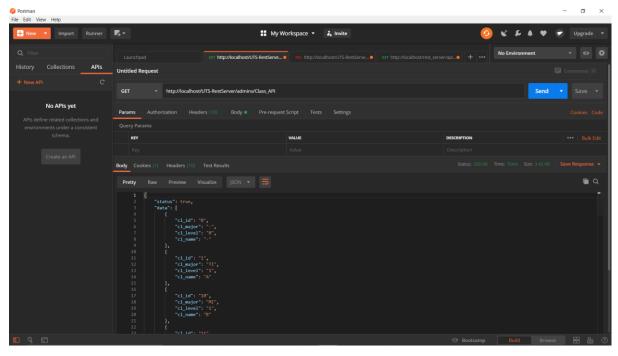


## Class\_API

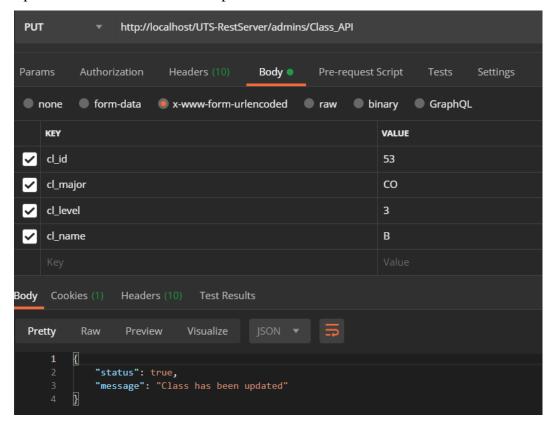
Create a new class data in database



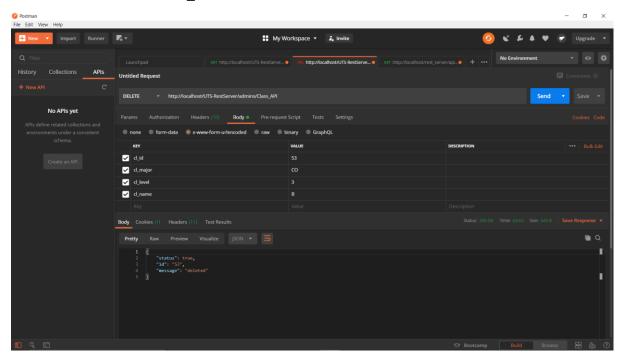
Query all the result of the class that is exist on the database



Input all the details that will be updated on the data that are written on cl\_id

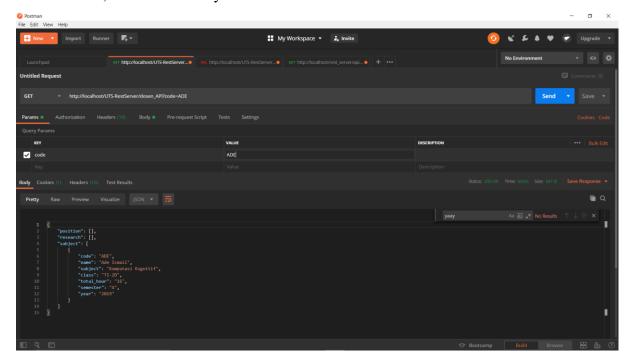


# Delete Class based on its cl\_id



# dosen\_API

For lecturer's, the API will only read data inside the database based on the codename



#### Result:

