

OPEN DATA API INTEGRATION

● FOR NAJRAN UNIVERSITY

TABLE OF CONTENT

1. Introduction

- Overview of the REST API developed for Najran University's open data.
- Explanation of interacting with available API services, including specific requests and responses.

2. Getting Started

- Step 1: Install Postman
- Step 2: Choose the Authorization Method
- Step 3: Test the API
- Step 4: Query a Specific Data File

3. List of Available Files

- Names and formats of available data files for retrieval through the API.

INTRODUCTION

This guide provides a comprehensive overview of the REST API developed for Najran University's open data. It explains how to interact with the available API services, including the specific requests and responses for each service method.

The REST API for Najran University is designed to facilitate easy access to the open data provided by the university. This API allows users to retrieve information stored in data files using specific filenames. Whether you need to retrieve all the data in a particular file or filter the data according to specific criteria, this guide will walk you through the necessary steps to achieve your goals.

By utilizing the REST API, developers can seamlessly integrate and consume the data provided by Najran University into their applications, enabling enhanced data-driven decision-making and analysis.

GETTING STARTED

Step 1: Install Postman

Before you can start interacting with the REST API, the first step is to install Postman, a popular tool used for testing APIs. Postman allows you to easily send requests to the API and view the responses.

Step 2: Authorization Method

Previously, it was necessary to select an OAuth 2.0 authorization method and provide a token to access the API. However, authentication is no longer required, and the request can now be sent without a token.

In Postman:

1. Go to the Authorization tab.
2. From the Auth Type dropdown, select No Auth.
3. Make sure no additional authorization settings are enabled.
4. Send the request directly, you should receive a successful response (as shown in the screenshot).

GETTING STARTED

opendata-nu / data file

Save Share

GET https://www.nu.edu.sa/o/openData/Alumni Students based on Study Status .txt

Send

Params Authorization Headers (7) Body Scripts Settings

Cookies

Auth Type

No Auth



No Auth

This request does not use any authorization. ⓘ

Body Cookies (3) Headers (13) Test Results

200 OK • 414 ms • 18.69 KB • Save Response

JSON Preview Visualize

Copy Search Refresh

```
1 {
2   "filename": "Alumni Students based on Study Status .txt",
3   "lines": [
4     "العدد,فصل التخرج,الكلية,التخصص,نوع الدراسة,الجنس",
5     "2, الفصل الأول,1441,إدارة الأعمال,إدارة أعمال,انتظام,إناث",
6     "2, الفصل الأول,1441,إدارة الأعمال,إدارة أعمال,انتظام,ذكور",
7     "25, الفصل الأول,1441,إدارة الأعمال,إدارة الأعمال,انتظام,إناث",
8     "16, الفصل الأول,1441,إدارة الأعمال,إدارة الأعمال,انتظام,ذكور",
9     "6, الفصل الأول,1441,إدارة الأعمال,إدارة الأعمال,انتظام,إناث",
10    "2, الفصل الأول,1441,إدارة الأعمال,إدارة الأعمال,تكميلي,انتظام,إناث",
11    "51, الفصل الأول,1441,إدارة الأعمال,ادارة عامة,انتساب,إناث",
12    "43, الفصل الأول,1441,إدارة الأعمال,ادارة عامة,انتساب,ذكور",
13    "88, الفصل الأول,1441,إدارة الأعمال,ادارة عامة,انتظام,إناث",
14    "27, الفصل الأول,1441,إدارة الأعمال,ادارة عامة,انتظام,ذكور",
15    "6, الفصل الأول,1441,إدارة الأعمال,ادارة عامة,انتظام,إناث",
16    "3, الفصل الأول,1441,إدارة الأعمال,ادارة عامة,تكميلي,انتظام,إناث",
```

TEST THE API

Before You Begin Querying the API

You no longer need an access token to use the API. The endpoint is now publicly accessible and can be tested directly without any authentication.

Test the API with a Sample Request:

1. Open Postman.
2. Enter the following URL:
`https://www.nu.edu.sa/o/openData/test`
3. Set the method to GET.
4. Make sure No Auth is selected in the Authorization tab.
5. Click Send to execute the request.

Verify the Response:

If everything is set up correctly, you should receive a response message like:

"API is working"

This confirms that the API is accessible and responding properly, no token is required.

Let me know if you want a combined version with the previous step or ready-to-publish documentation.

GET

Send

Params Authorization Headers (7) Body Scripts Settings

Cookies

Auth Type

Body Cookies (3) Headers (9) Test Results

200 OK · 84 ms · 270 B · Save Response

Raw Preview Visualize

Search Copy

1 API is working

QUERY A SPECIFIC DATA FILE

You can retrieve data directly from a specific file using the API by simply specifying the filename in the URL. No authentication or token is required.

Steps to Retrieve Data:

Enter the Base URL:

1. Use the base URL:

`https://www.nu.edu.sa/o/openData/`

2. Add the File Name:

Append the exact filename you want to retrieve at the end of the URL.

For example, to access a file named data.txt, the full URL would be:

`https://www.nu.edu.sa/o/openData/data.txt`

3. Send the Request:

- Set the HTTP method to GET.
- Ensure No Auth is selected under the Authorization tab.
- Click Send.

4. View the Response:

- The response will contain the contents of the specified file.
- The data may be in CSV or plain text format, depending on the file.
-

This allows you to easily access and retrieve any public dataset by referencing its filename directly in the API URL.

Overview

GET data file



No environment

opendata-nu / data file

Save

Share

GET

https://www.nu.edu.sa/o/openData/data.txt

Send

Params Authorization Headers (9) Body Scripts Settings

Cookies

Query Params

| Key | Value | Description | Bulk Edit |
|-----|-------|-------------|-----------|
| Key | Value | Description | |

Body Cookies (3) Headers (8) Test Results

200 OK 99 ms 340 B Save as example

Pretty

Raw

Preview

Visualize

Text

```
1 id,name,category,price
2 1,Smartphone,Electronics,699.99
3 2,Laptop,Electronics,999.99
4 3,Chair,Furniture,59.99
```

NAME OF ALL AVAILABLE FILES

| File Name |
|---|
| Students Statistics |
| Students Statistics Based on Level and Major |
| Alumni Students based on Study Status |
| Alumni Statistics |
| Alumni statistics by college, department, and semester of entry |
| Alumni Statistics based on Major |
| Accepted Students Nationalities Statistics |



جامعة نجران
NAJRAN UNIVERSITY

Made by: Amal AlAbbas