

Documentation

About this Project

This is node js API which is used to download the image from the Public URL and resize it according to input provided by the User .Means User can decide the height and the width of the Image during resizing .

Requirement of this Project

Before Starting this project You need to install some node js modules which is given below-

- 1)Node-downloader-helper
- 2)node-image-resizer
- 3) Jsonwebtoken
- 4) Express

How to Download these Libraries

Goto the project folder open terminal or CMD and hit the command **“npm install”**

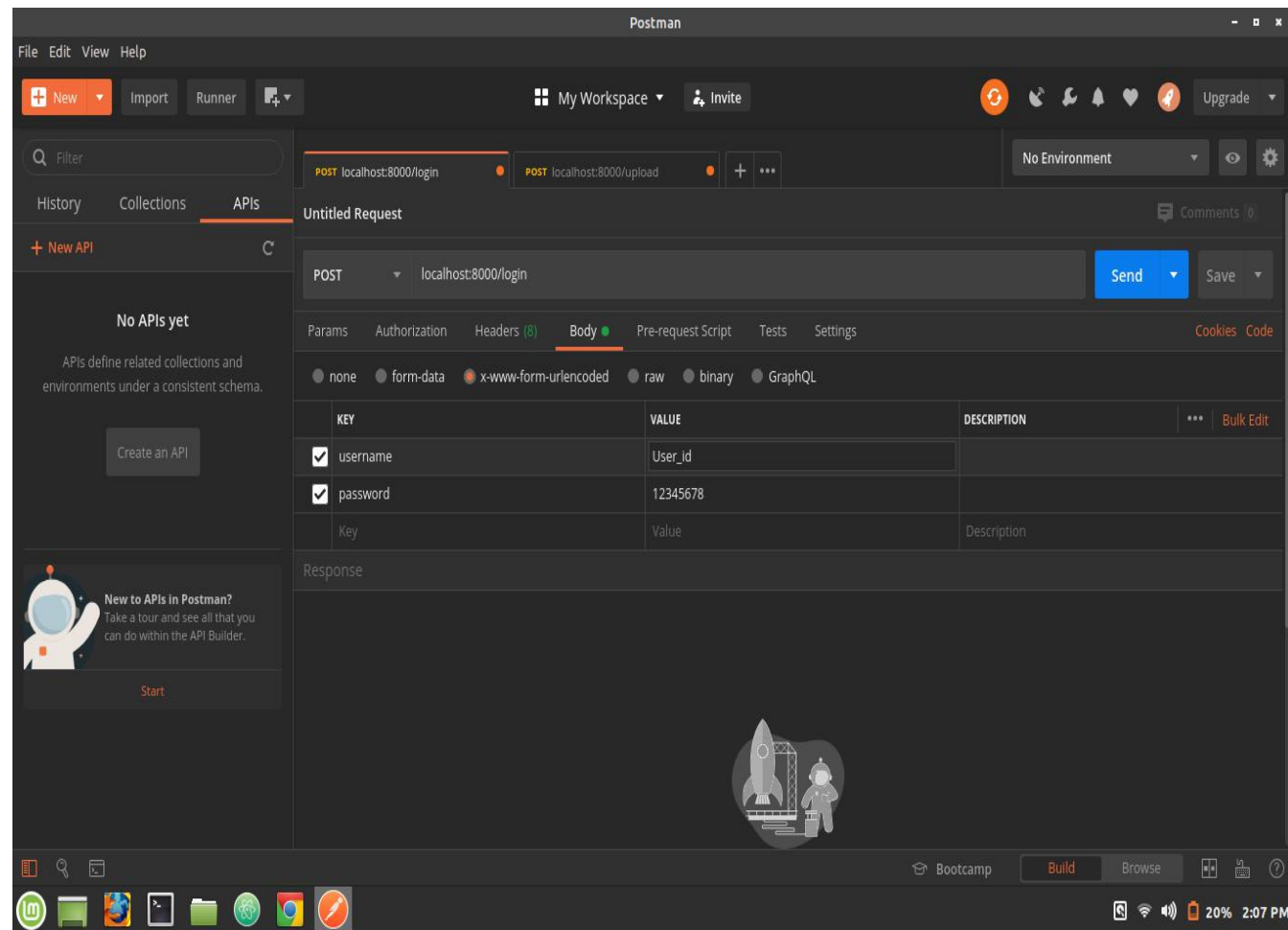
Note: There is no need to specify the name of the module it's automatically download the all required module by this command.

Command => **“npm install”**

How To Execute This Project ?

There are Some Step which is given below you need to follow these Steps ->

Step 1 Authentication for the user

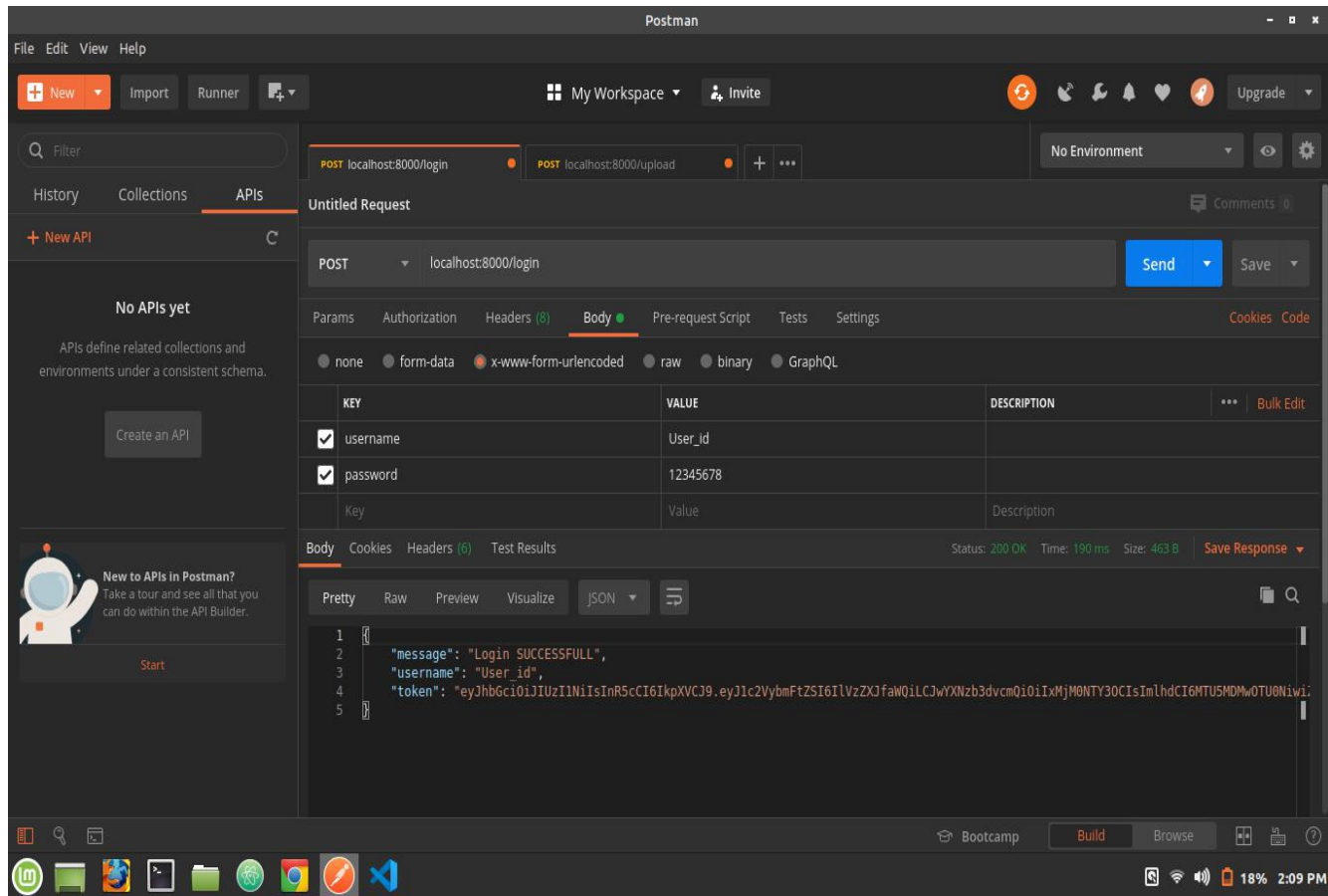


Description

You need to enter the URL **localhost:8000/login** with **POST** type request. After that, select **Body** type under that **x-www-form-urlencoded** type for passing the data.

Create **key value pair**. In the above image, you can see there are 2 keys having names **username** and **password**. Here, you can enter arbitrary username and password. But you cannot change the name of the keys and **values** totally depend on the client.

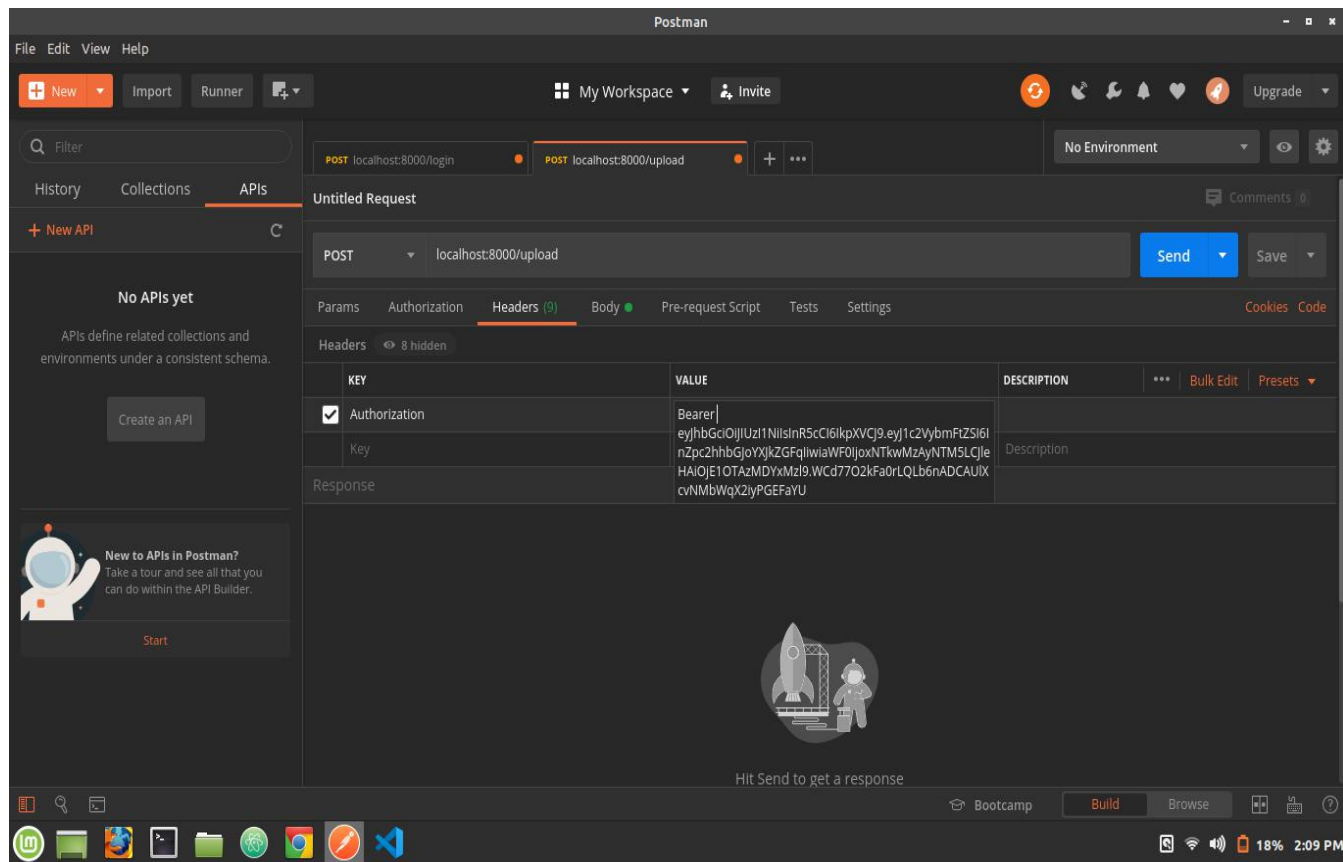
Step 2-Get a token for the Authentication for the future Request



Description

When you send the login request with the provided username and password, when this request is successfully executed, it will return a JSON object which has 3 attributes: message, username, and a token. The token helps in accessing the other future request. Here **You need to copy the token value.**

Step 3 Setup token in Header



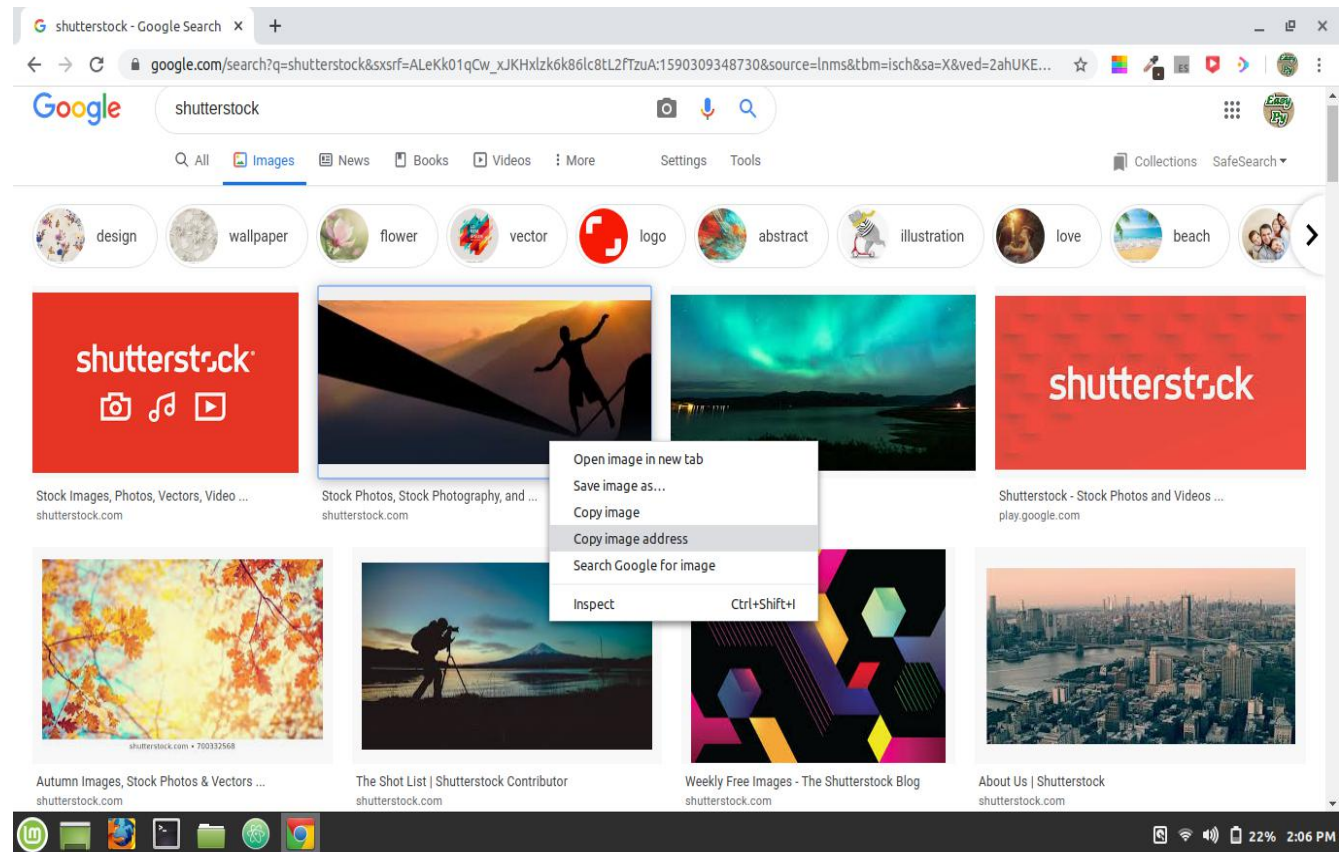
Description

Change the URL to **localhost:8000/upload** with **POST** request. Goto to the Header part of the arguments type which You can see in above image.

Create a key **Authorization** with value **Bearer + single_space + your token copied value**

Note you need to put Bearer in before the pasting the token value. As mentioned in above image.

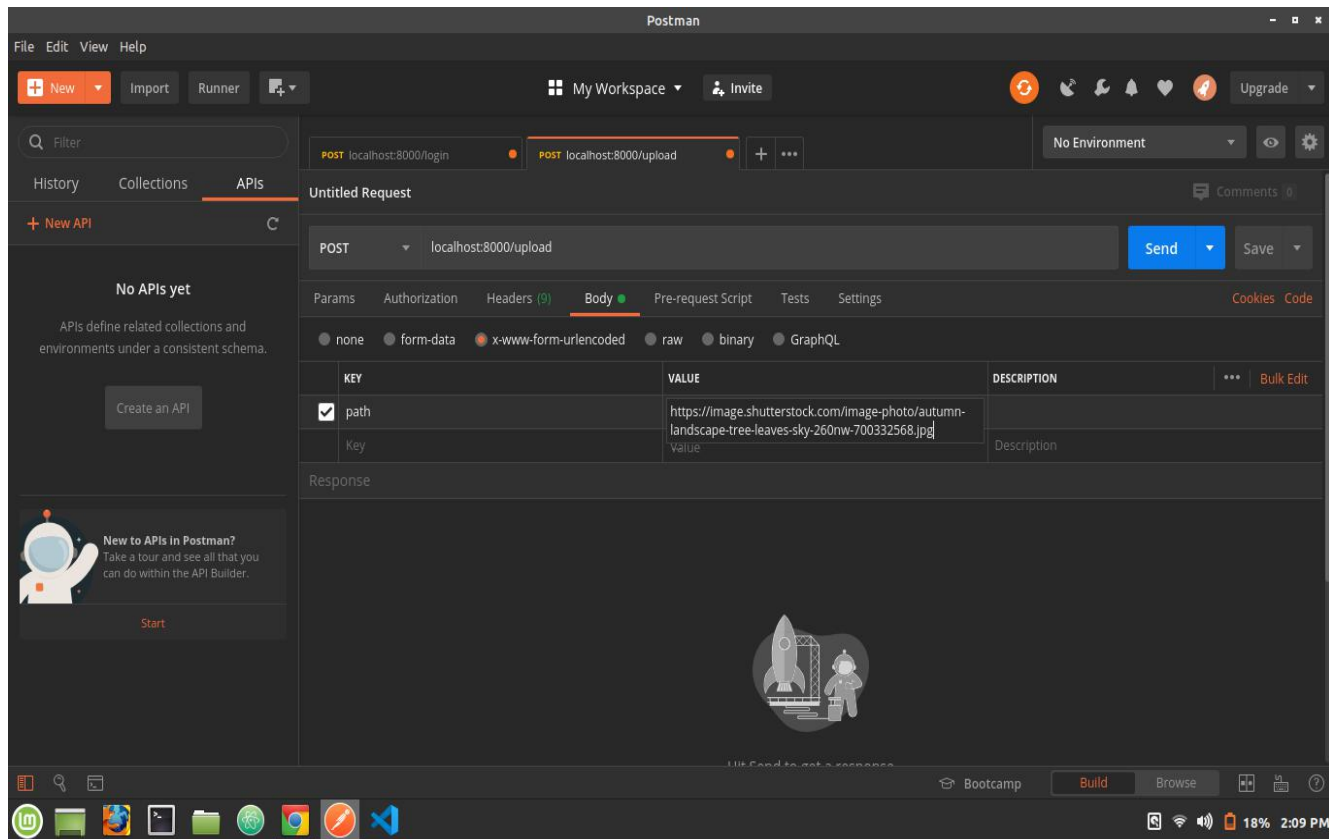
Step 4 Copy The image Address



Description

Here I visit the website **Shutterstock** , select any random and copy the image address by right click on that .

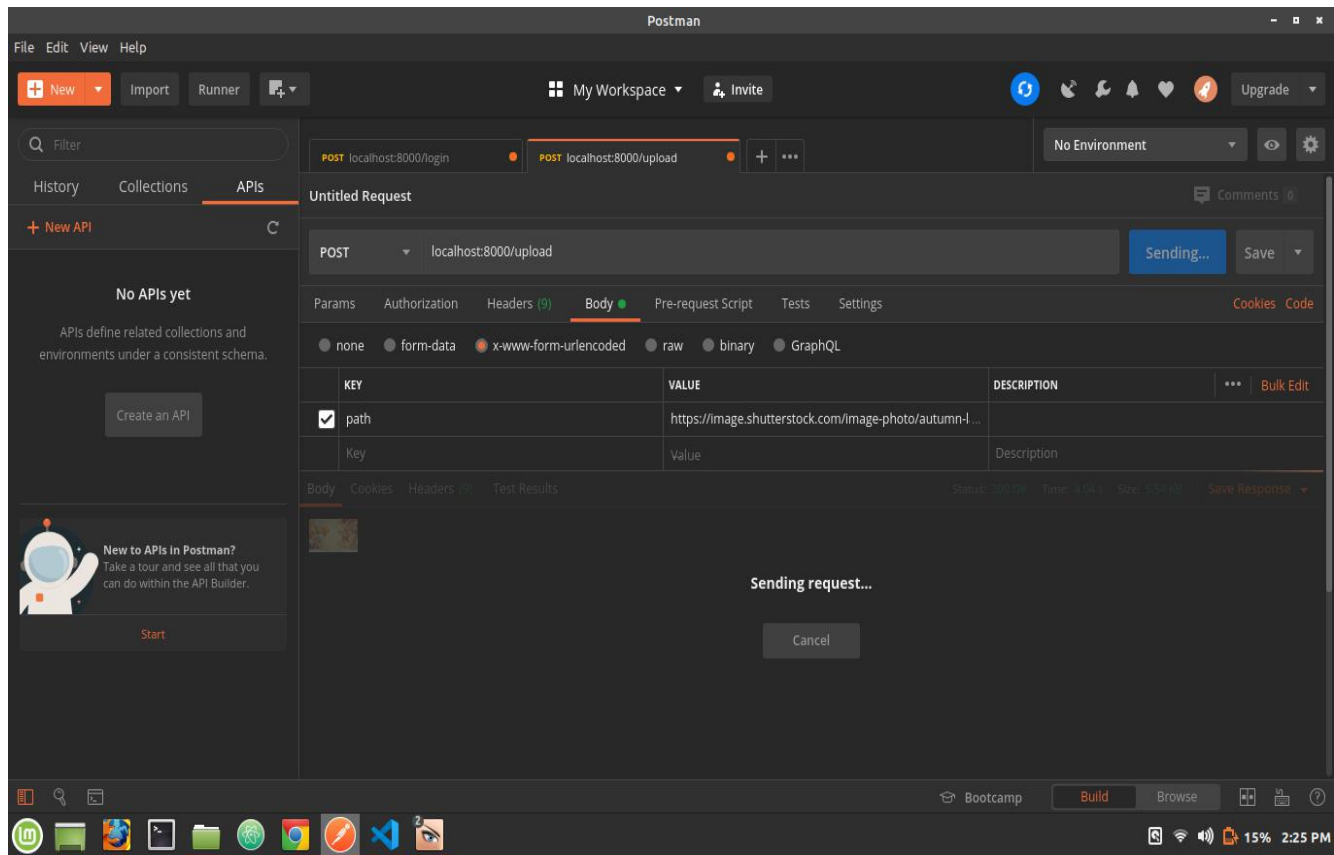
Step 5 Paste the URL of the image.



Description

When you change the Url to **localhost:8000/upload** create a key-value pair. **Key** name should be path and value of this key is URL of the image which you want to resize or Download.

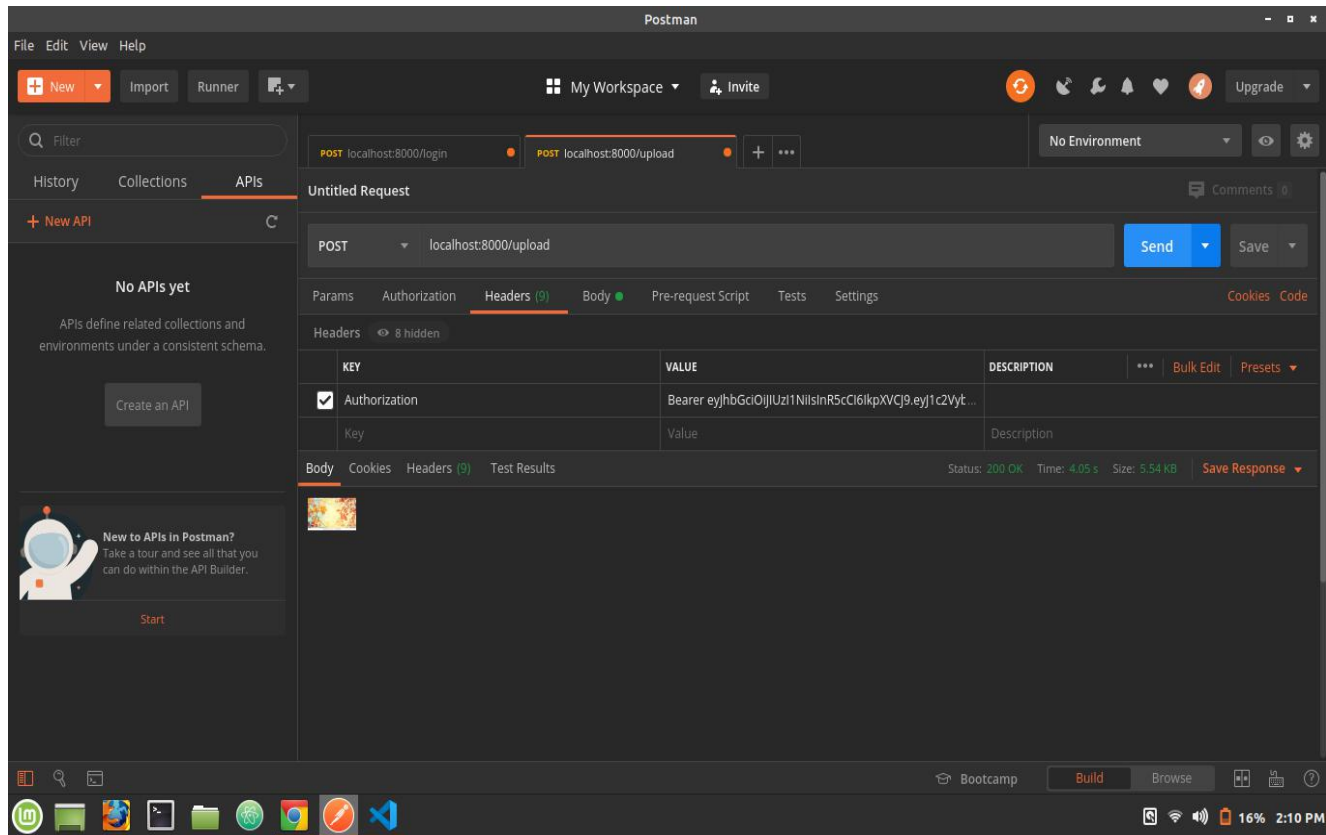
Step 6 Wait For few second



Description

When you hit the URL this will take few second for the image downloading and resizing the image .
Make Sure You have internet connection for downloading the image.

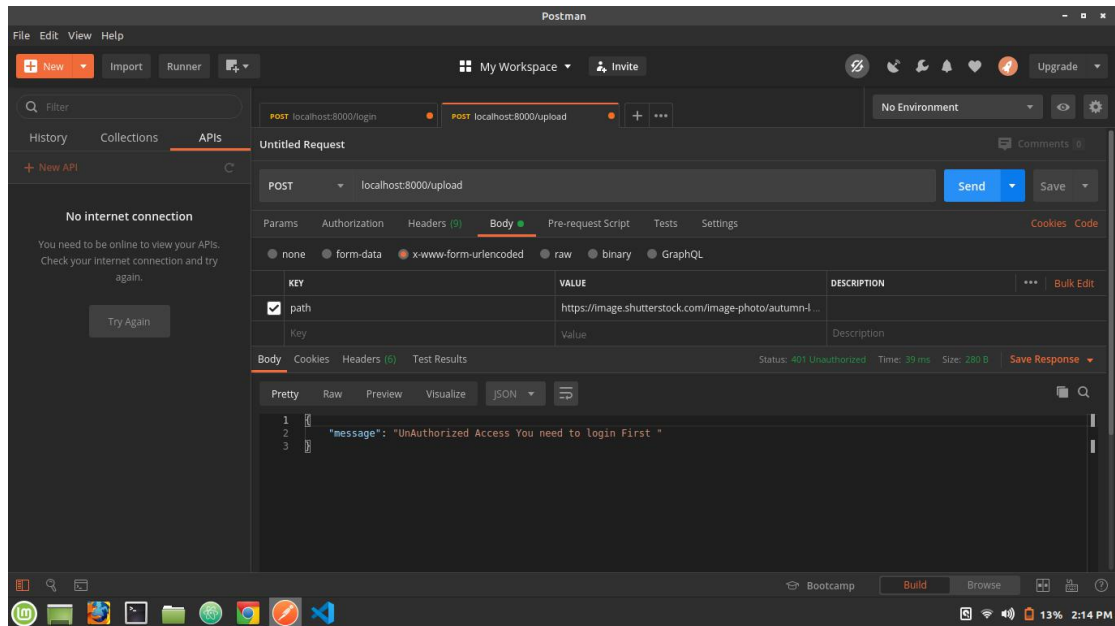
Step 7 The Resultant Image



Description

It will return the final thumbnail which we get after resizing.

Condition What Happen If User not Logged In ?



Description

If You try to access the request without Login. It will reject the upcoming request because the is no token found and **JWT** through a error message that “Unauthorized Access You need to login First”.

END Of the Project Description