

Setup for the project

1. Create a virtual environment with the python version should 3.6.9.
2. Extract the zip file of the projects
3. Activate the virtual environment and run the command in the project file
 - a. **pip install -r requirements.txt**
4. Run the Django project using python manage.py run server.
5. Since I am using token authentication so add the token into header

API Documentation link for the given problem statement

1. Postman documentation link
 - a. <https://documenter.getpostman.com/view/3944219/T1Dqhd75>
2. Postman collection link for the API
 - a. <https://www.getpostman.com/collections/f07a4f3b8399cf3b82dd>

End Points are

1. <http://127.0.0.1:8000/api/addUser/>
2. <http://127.0.0.1:8000/api/login/>
3. <http://127.0.0.1:8000/api/addBox/>
4. <http://127.0.0.1:8000/api/updateBox/>
5. <http://127.0.0.1:8000/api/getAllBoxes/>
6. <http://127.0.0.1:8000/api/getMyBoxes/>
7. <http://127.0.0.1:8000/api/deleteBox/>

Formate for adding a filter (all are mentioned in the docs)

Request body for the Getting all box (same format for the all my box API)

Request type = POST

```
{
  "filters":{
    "length":{"condition":"gt",
      "value": 0
    },
    "breadth":{"condition":"gt",
      "value":1
    },
    "height":{"condition":"gt",
      "value":0
    },
    "volume":{"condition":"gt",
      "value":1
    },
    "area":{"condition":"gt",
      "value":1
    },
    "date_of_creation":{"condition":"lt",
      "value":"28/07/2020"
    },
    "created_by":"Manish"
  }
}
```

Response for a normal user

```
{
  "status": "SUCCESS",
  "data": [
    {
      "id": 2,
      "length": 1.0,
      "breadth": 2.0,
      "height": 1.0,
      "area": 10.0,
      "volume": 2.0
    },
    {
      "id": 3,
```

```
    "length": 1.0,  
    "breadth": 2.0,  
    "height": 1.0,  
    "area": 10.0,  
    "volume": 2.0  
  },  
  {  
    "id": 4,  
    "length": 1.0,  
    "breadth": 2.0,  
    "height": 1.0,  
    "area": 10.0,  
    "volume": 2.0  
  },  
  {  
    "id": 5,  
    "length": 1.0,  
    "breadth": 2.0,  
    "height": 1.0,  
    "area": 10.0,  
    "volume": 2.0  
  }  
]  
}
```

Response for a staff_user

```
{  
  "status": "SUCCESS",  
  "data": [  
    {  
      "id": 2,  
      "created_by": "Manish",  
      "length": 1.0,  
      "breadth": 2.0,  
      "height": 1.0,  
      "area": 10.0,  
      "volume": 2.0,  
      "last_updated": "2020-07-27T12:32:08.513524Z"  
    }  
  ]  
}
```

