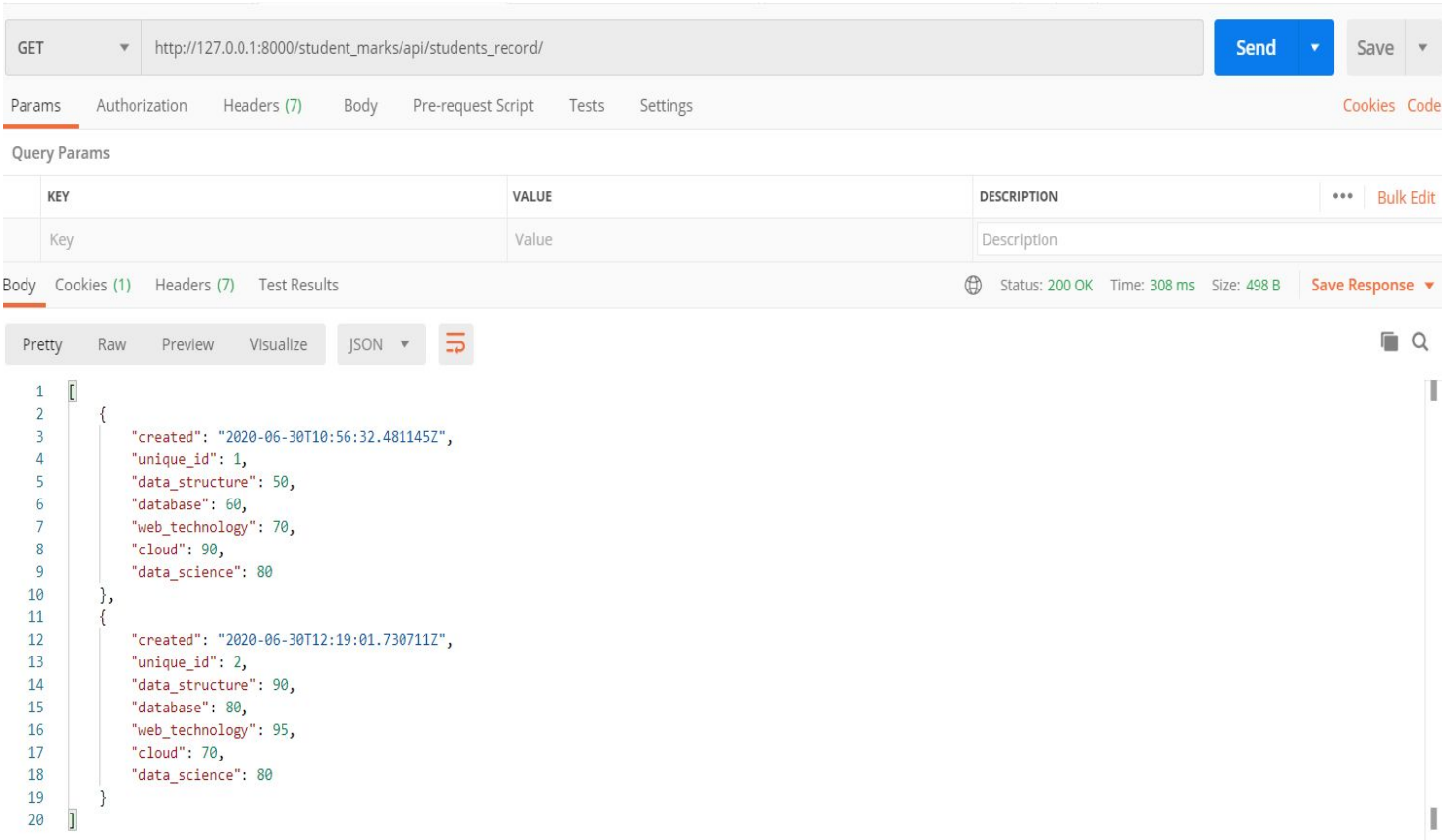
Rest API Using Django Rest Framework

1. **Statement:**
   Develop a rest api (Django Rest framework) to fetch details of Student marks record based on his identity number .

2. **Technologies/Library/Tools:**
   a. Python
   b. Django
   c. Django Rest Framework
   d. Postman: For Testing API

3. **Screenshots:**

Marks record of All student



Django REST framework

Student Record

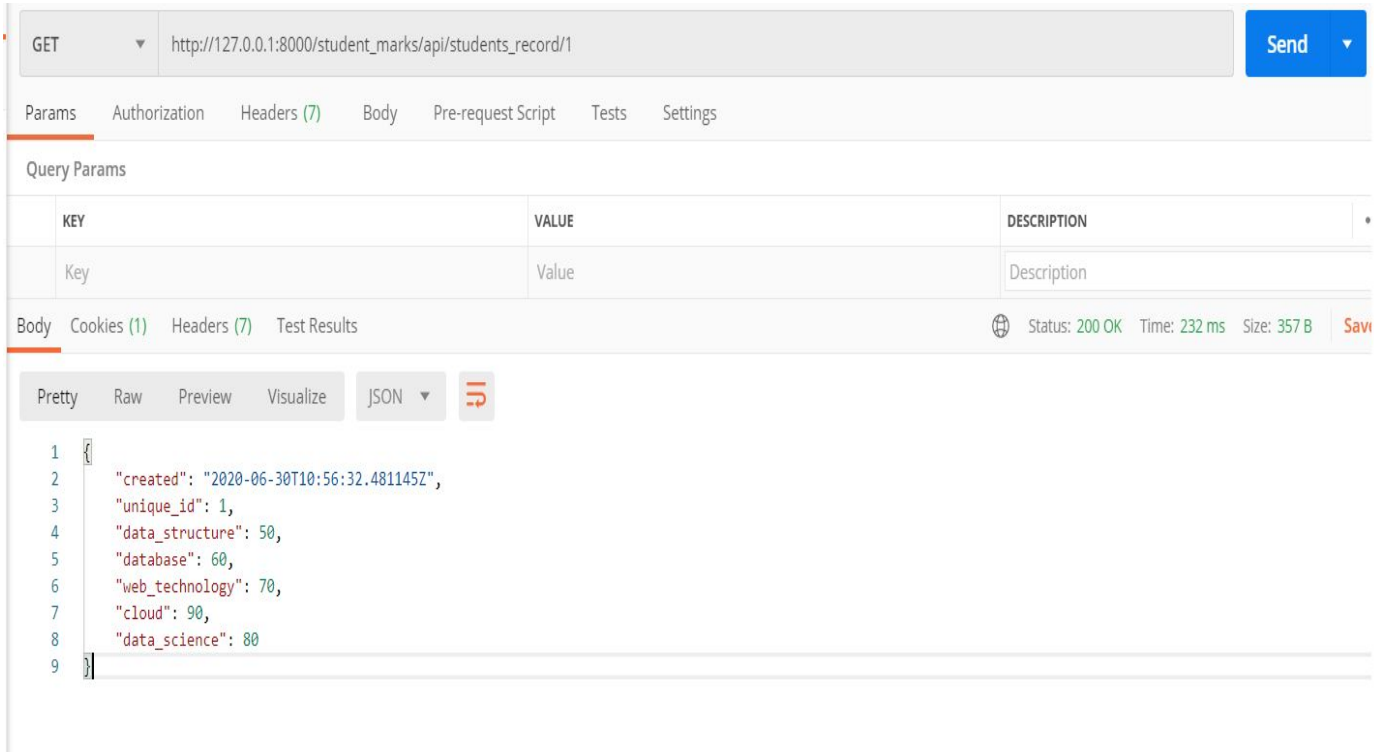
Student Record

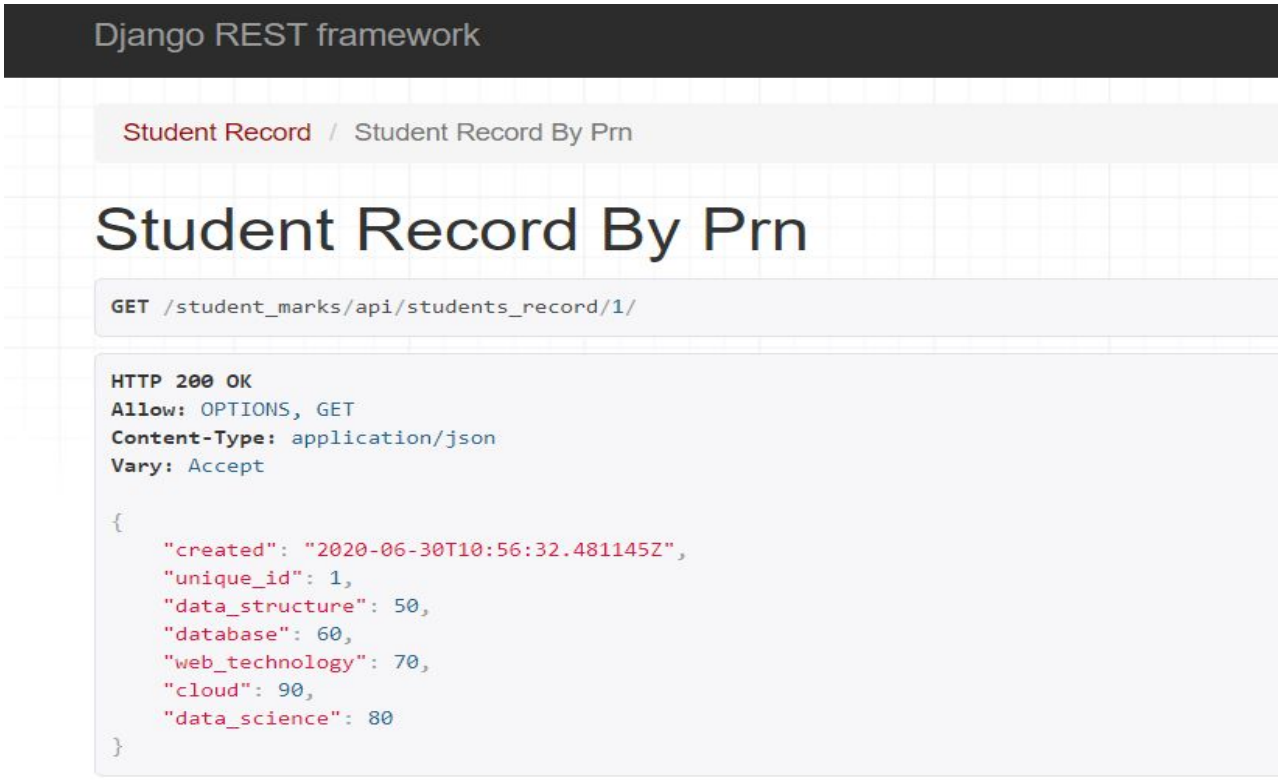
```
GET /student_marks/api/students_record/
```

```
HTTP 200 OK
Allow: OPTIONS, GET
Content-Type: application/json
Vary: Accept

[
    {
        "created": "2020-06-30T10:56:32.481145Z",
        "unique_id": 1,
        "data_structure": 50,
        "database": 60,
        "web_technology": 70,
        "cloud": 90,
        "data_science": 80
    },
    {
        "created": "2020-06-30T12:19:01.730711Z",
        "unique_id": 2,
        "data_structure": 90,
        "database": 80,
        "web_technology": 95,
        "cloud": 70,
        "data_science": 80
    }
]
```

Student Marks record on the basis of unique ID

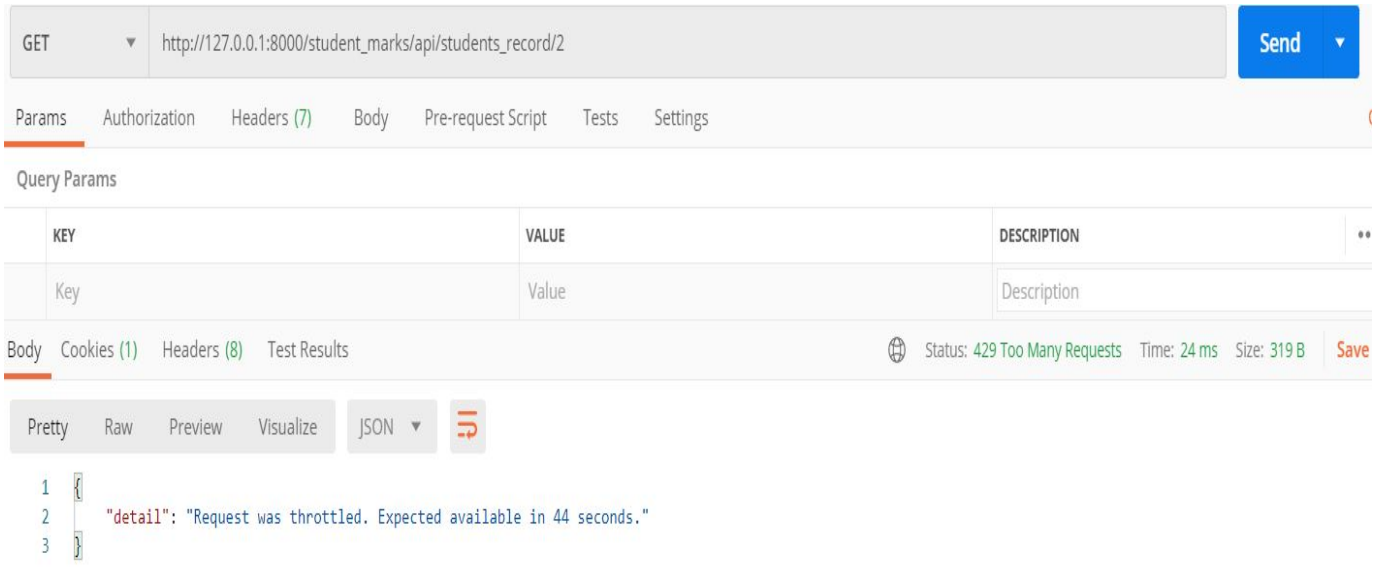




Request Limiting Mechanism

```
REST_FRAMEWORK = {
    'DEFAULT_THROTTLE_CLASSES': [
        'rest_framework.throttling.AnonRateThrottle',
        'rest_framework.throttling.UserRateThrottle'
    ],
    'DEFAULT_THROTTLE_RATES': {
        'anon': '10/min',
        'user': '10/min'
    }
}
```

Limitation of request is 10 per minute if it goes beyond that the response is like given below.



The total requests to the service