Student

1. Get all student

API: localhost:3030/student/get/all

Type: Rest

Method: Get

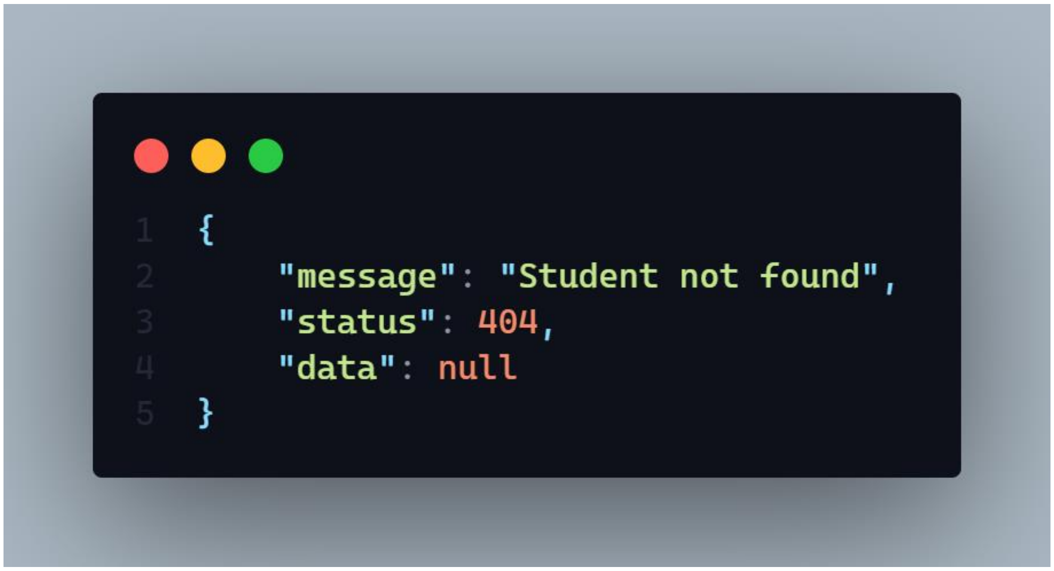
Access: **:** admin

Body : N/A

Params: N/A

Query: N/A

Response:



```
{
    "message": "Student not found",
    "status": 404,
    "data": null
}
```

Demo:

WorkFlow: **1.** It will display all student data

Teacher

1. Register a new teacher

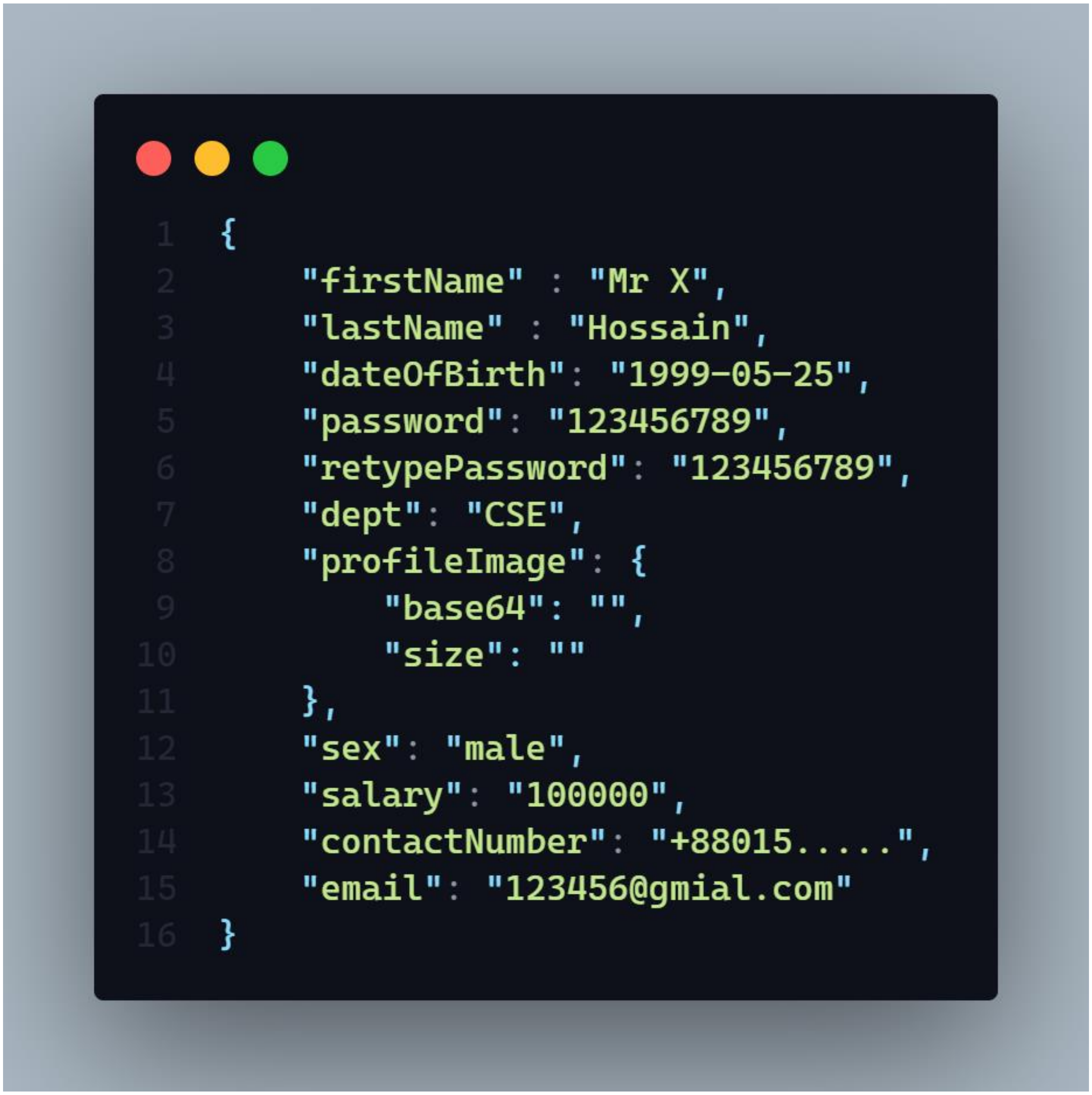
API: localhost:3030/teacher/registration

Type: Rest

Method: POST

Access: **:** Teacher, Admin

Body :

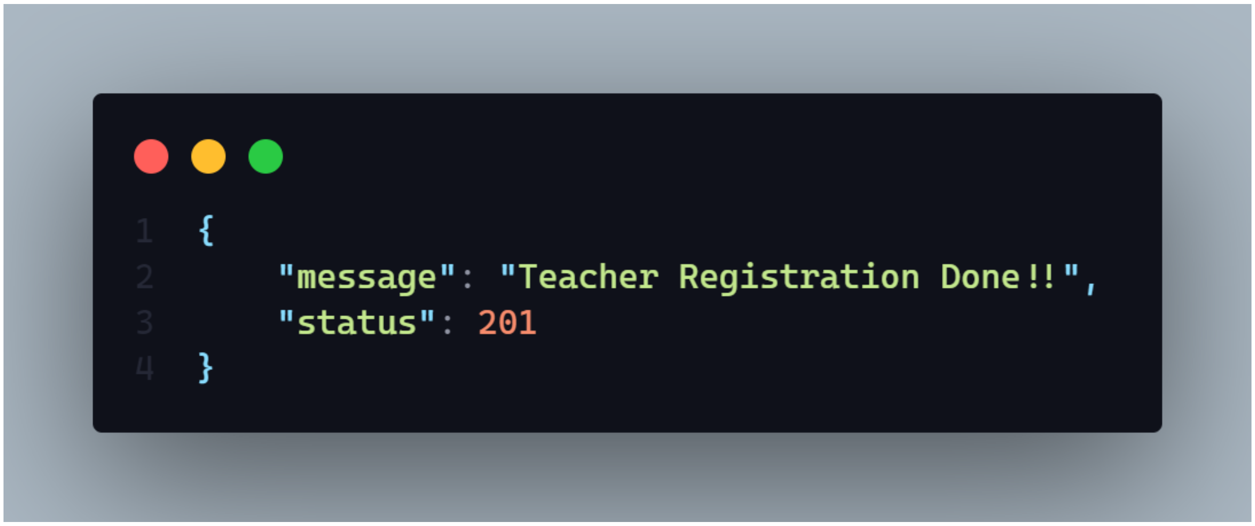


```
{
    "firstName" : "Mr X",
    "lastName" : "Hossain",
    "dateOfBirth": "1999-05-25",
    "password": "123456789",
    "retypePassword": "123456789",
    "dept": "CSE",
    "profileImage": {
        "base64": "",
        "size": ""
    },
    "sex": "male",
    "salary": "100000",
    "contactNumber": "+88015.....",
    "email": "123456@gmial.com"
}
```

Params: N/A

Query: N/A

Response:



```
{
      "message": "Teacher Registration Done!!",
      "status": 201
}
```

Demo: N/A

WorkFlow: 1. It will create a new teacher

2. It will auto generate a unique teacher id and slug

3. In the time of registration if teacher will not want to upload a profile picture then it will auto upload a default picture in the server.

4. When teacher will input a password it will store in the database in hashed format.

Courses

1. Create a new course

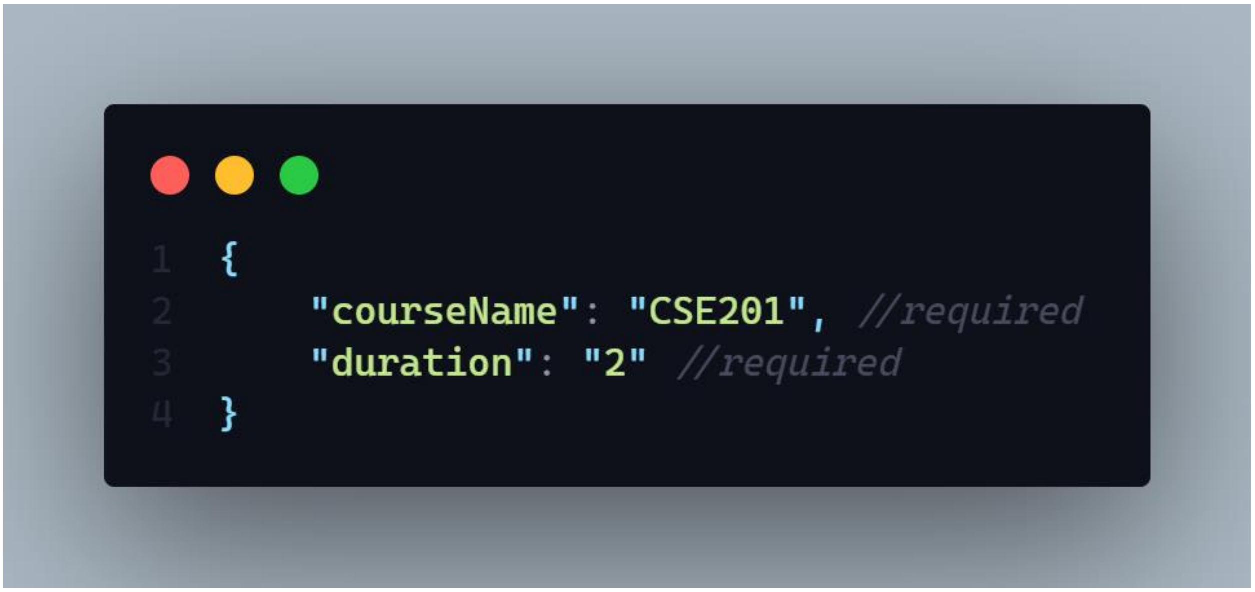
API: localhost:3030/course/create

Type: Rest

Method: POST

Access: **:** Teacher

Body :

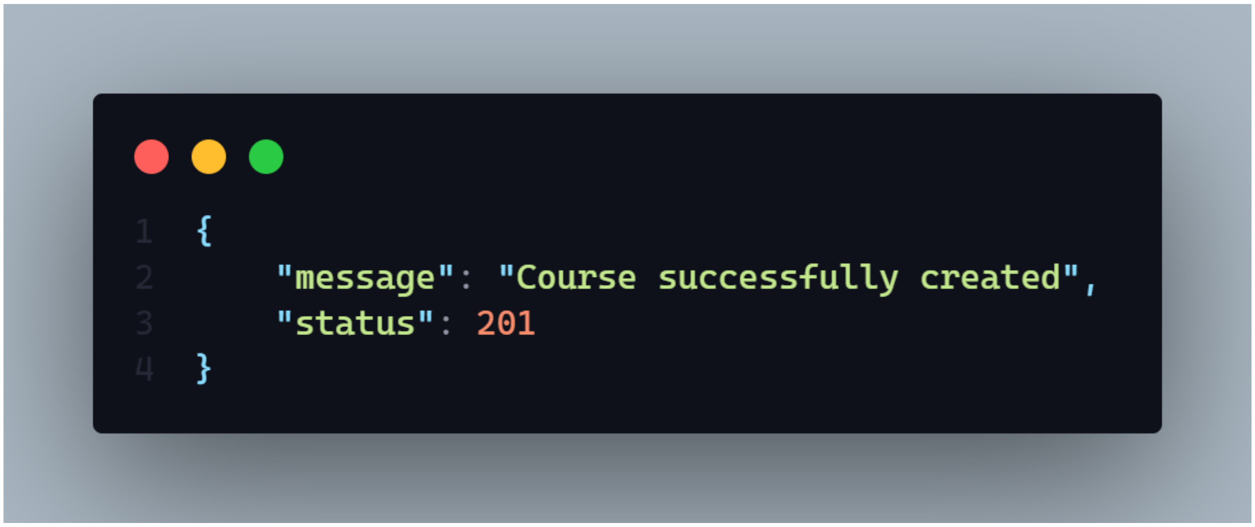


```
{
      "courseName": "CSE201", //required
      "duration": "2" //required
}
```

Params: N/A

Query: N/A

Response:



```
{
    "message": "Course successfully created",
    "status": 201
}
```

Demo: N/A

WorkFlow: 1. Only Teacher can create a new course

2. When a new course has been created a random course Id and slug will be generate

3. course Id generation format will be => firstTwoWordOfCouresName – 5 random digit

4. slug generation format will be => coureseId_duration_creationTime

2. Create a new MCQ question

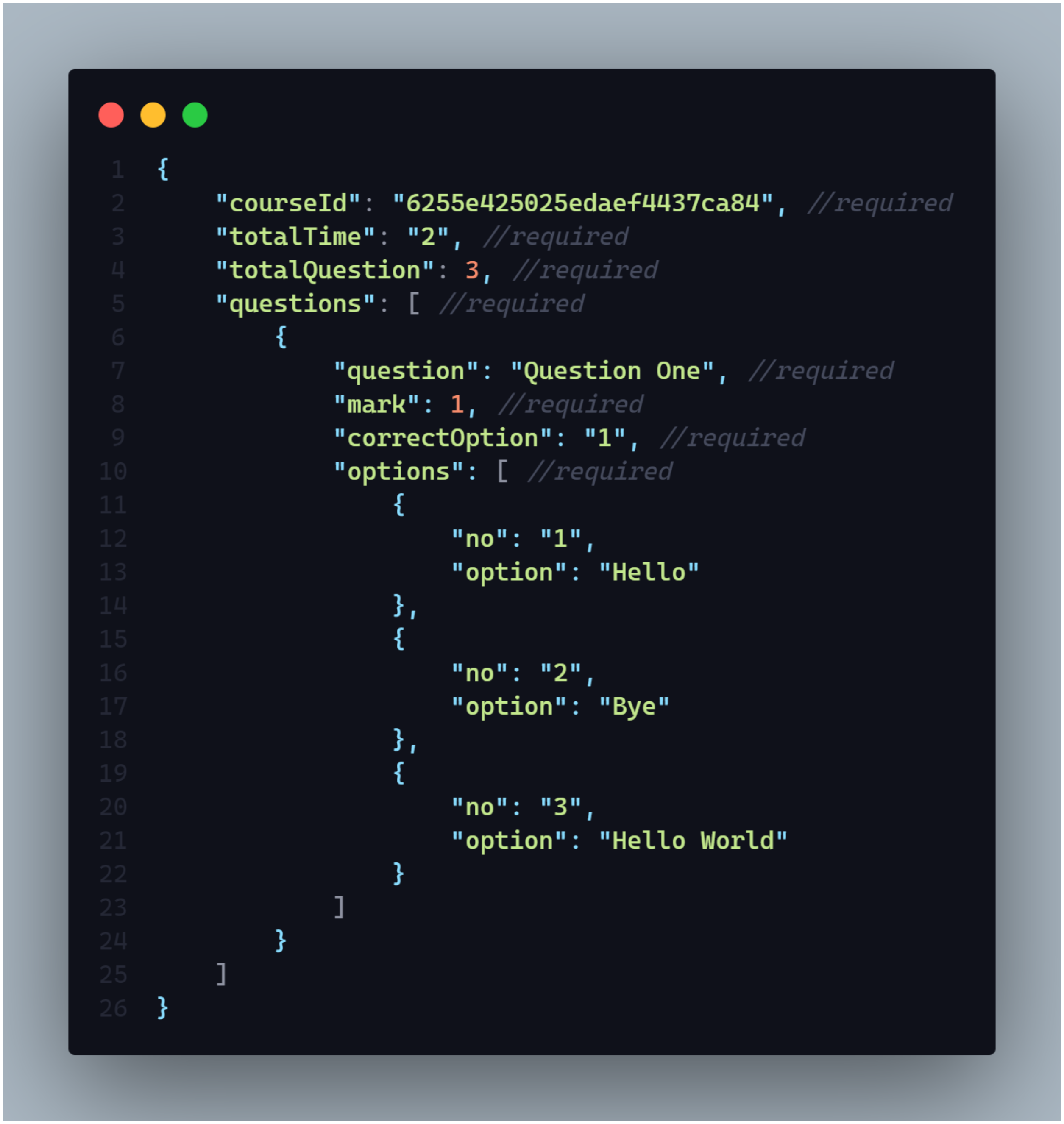
API: localhost:3030/course/create/quiz

Type: Rest

Method: POST

Access: **:** Teacher

Body :

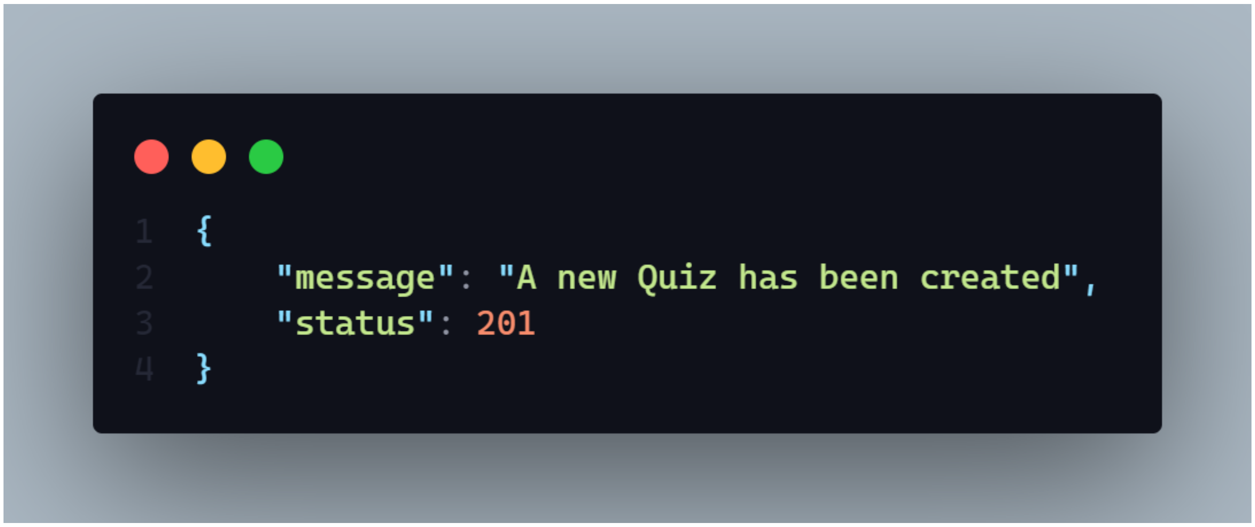


```
{
    "courseId": "6255e425025edaef4437ca84", //required
    "totalTime": "2", //required
    "totalQuestion": 3, //required
    "questions": [ //required
        {
            "question": "Question One", //required
            "mark": 1, //required
            "correctOption": "1", //required
            "options": [ //required
                {
                    "no": "1",
                    "option": "Hello"
                },
                {
                    "no": "2",
                    "option": "Bye"
                },
                {
                    "no": "3",
                    "option": "Hello World"
                }
            ]
        }
    ]
}
```

Params: N/A

Query: N/A

Response:



```
{
    "message": "A new Quiz has been created",
    "status": 201
}
```

Demo: N/A

WorkFlow: **1.** This API will create a quiz with random quiz Id and slug.

2. Every quiz will contain many question with options including correct option name.

3. Quiz total mark will be count base on how many mark a single question have been contained.

4. To build a quiz it will create first a quiz then it will create some questions.

<u>Students</u>

1. Register a new student

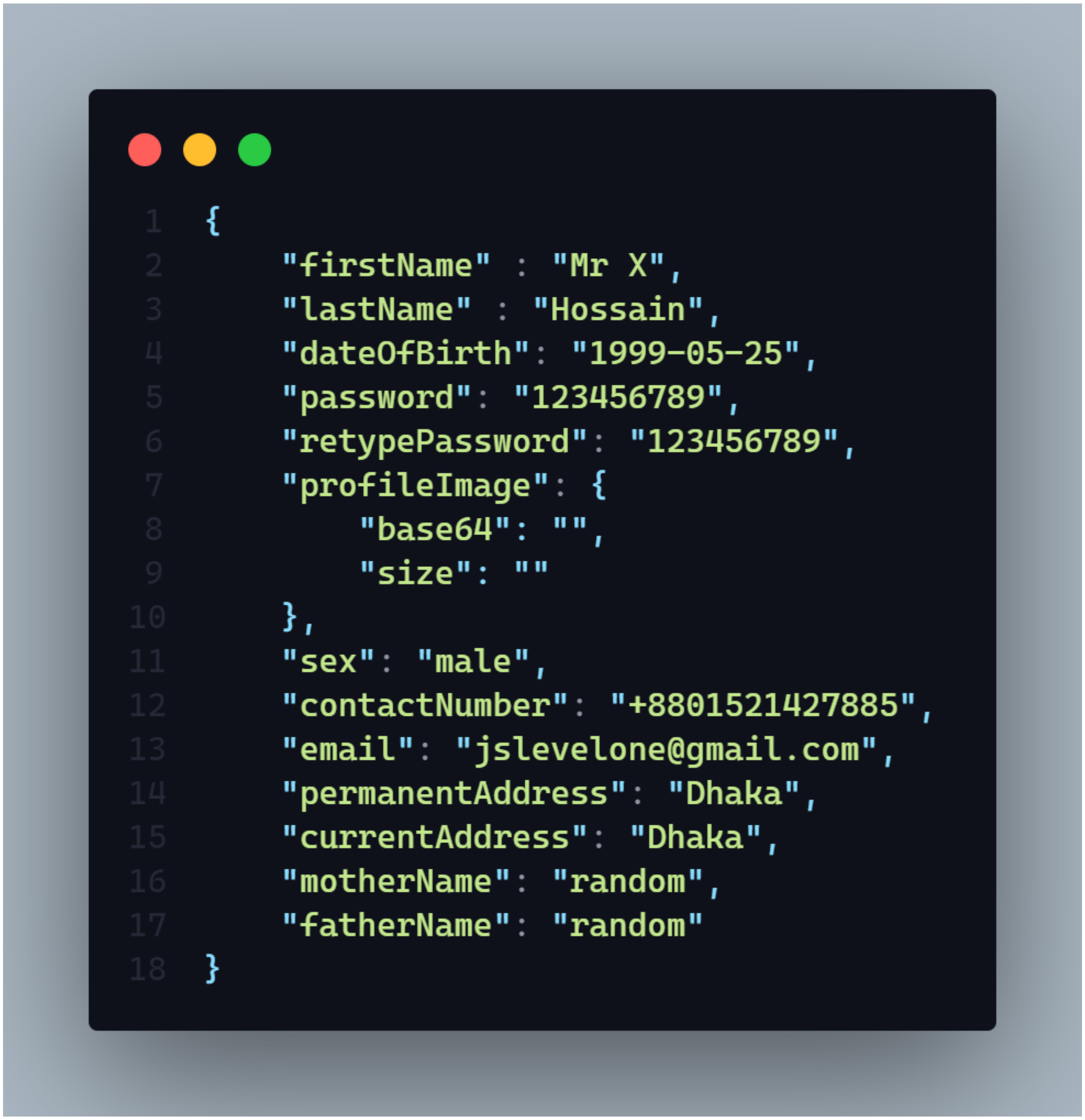
API: localhost:3030/student/registration

Type: Rest

Method: POST

Access: **:** Student

Body :

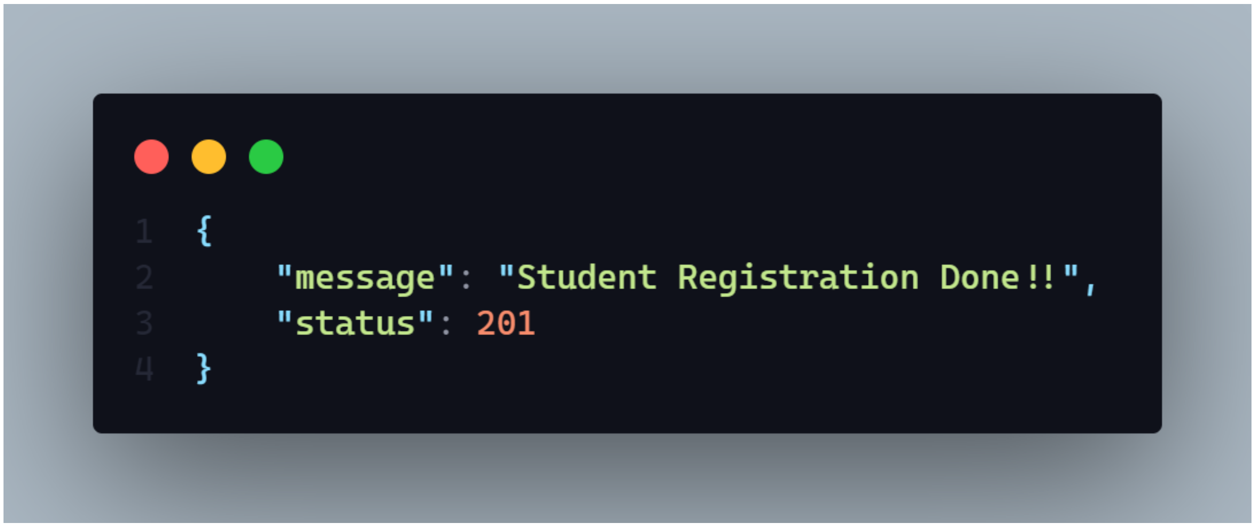


```json
{
    "firstName" : "Mr X",
    "lastName" : "Hossain",
    "dateOfBirth": "1999-05-25",
    "password": "123456789",
    "retypePassword": "123456789",
    "profileImage": {
        "base64": "",
        "size": ""
    },
    "sex": "male",
    "contactNumber": "+8801521427885",
    "email": "jslevelone@gmail.com",
    "permanentAddress": "Dhaka",
    "currentAddress": "Dhaka",
    "motherName": "random",
    "fatherName": "random"
}
```

Params: N/A

Query: N/A

Response:



```
{
    "message": "Student Registration Done!!",
    "status": 201
}
```

Demo: N/A

WorkFlow: 1. It will create a new student

2. It will auto generate a unique student id and slug

3. In the time of registration if student will not want to upload a profile picture then it will auto upload a default picture in the server.

4. When student will input a password it will store in the database in hashed format.

2. **Enrolled a new Student**

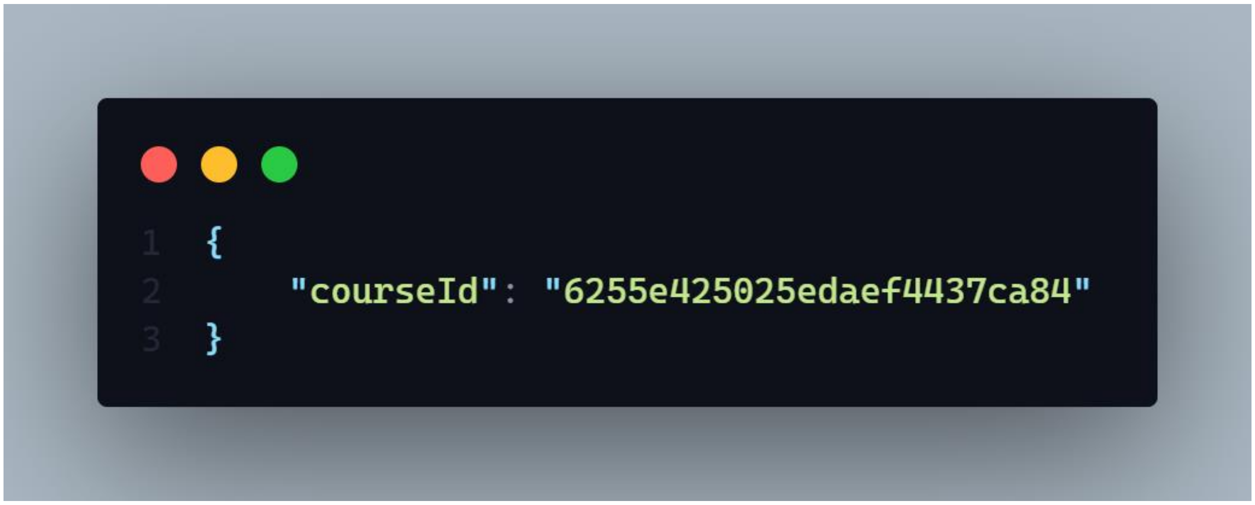
API: localhost:3030/course/enrolled/course

Type: Rest

Method: POST

Access: **:** Student

Body :

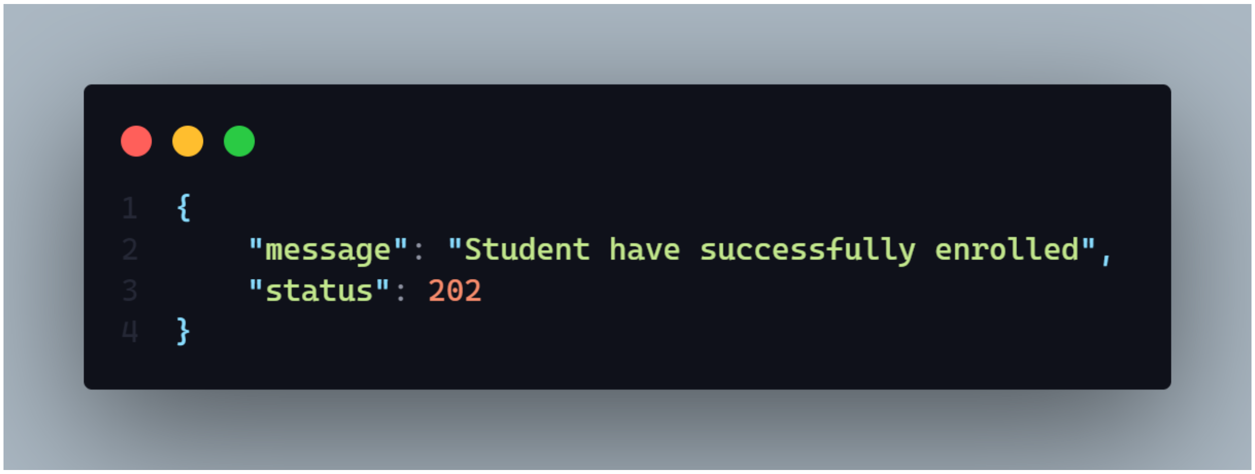


```
{
      "courseId": "6255e425025edaef4437ca84"
}
```

Params: N/A

Query: N/A

Response:



```
{
    "message": "Student have successfully enrolled",
    "status": 202
}
```

Demo: N/A

WorkFlow: **1.** It will enrolled a new student to existing course.

3. Give a MCQ exam and get the result instantly

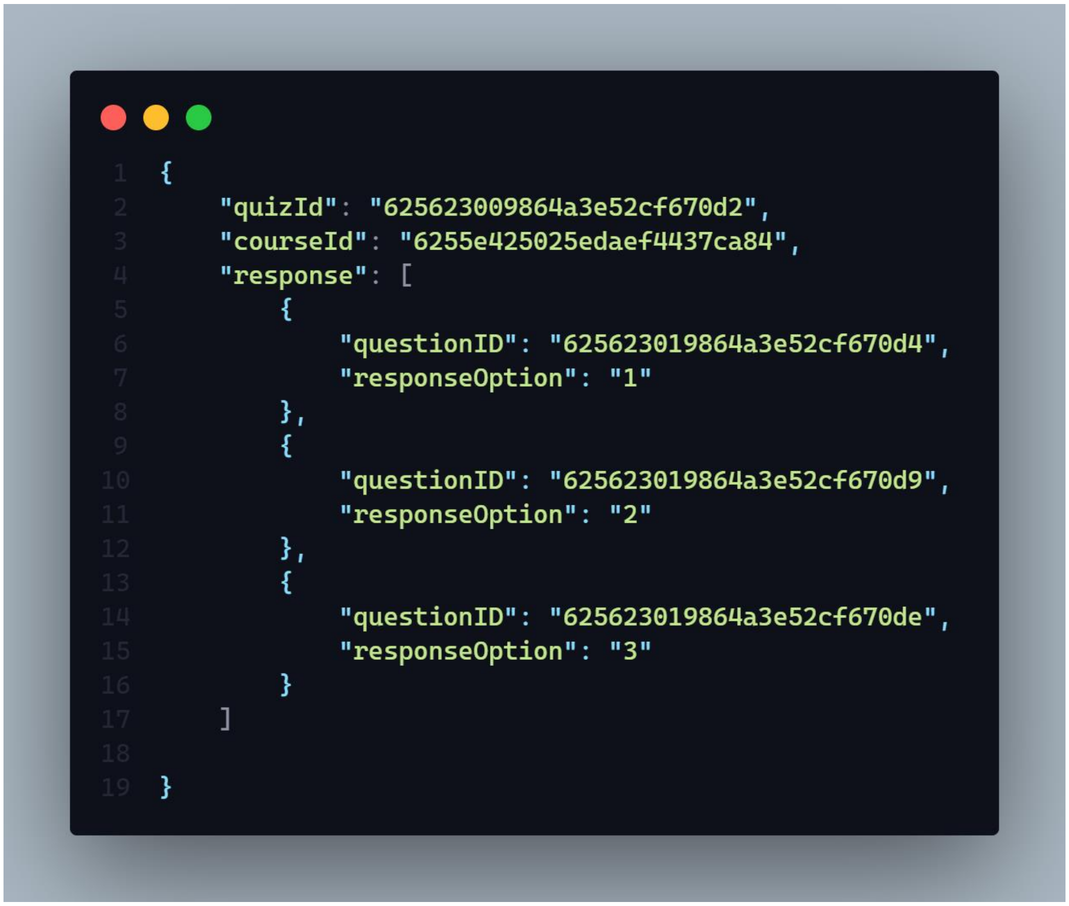
API: localhost:3030/course/submit/quiz

Type: Rest

Method: POST

Access: **:** Student

Body :



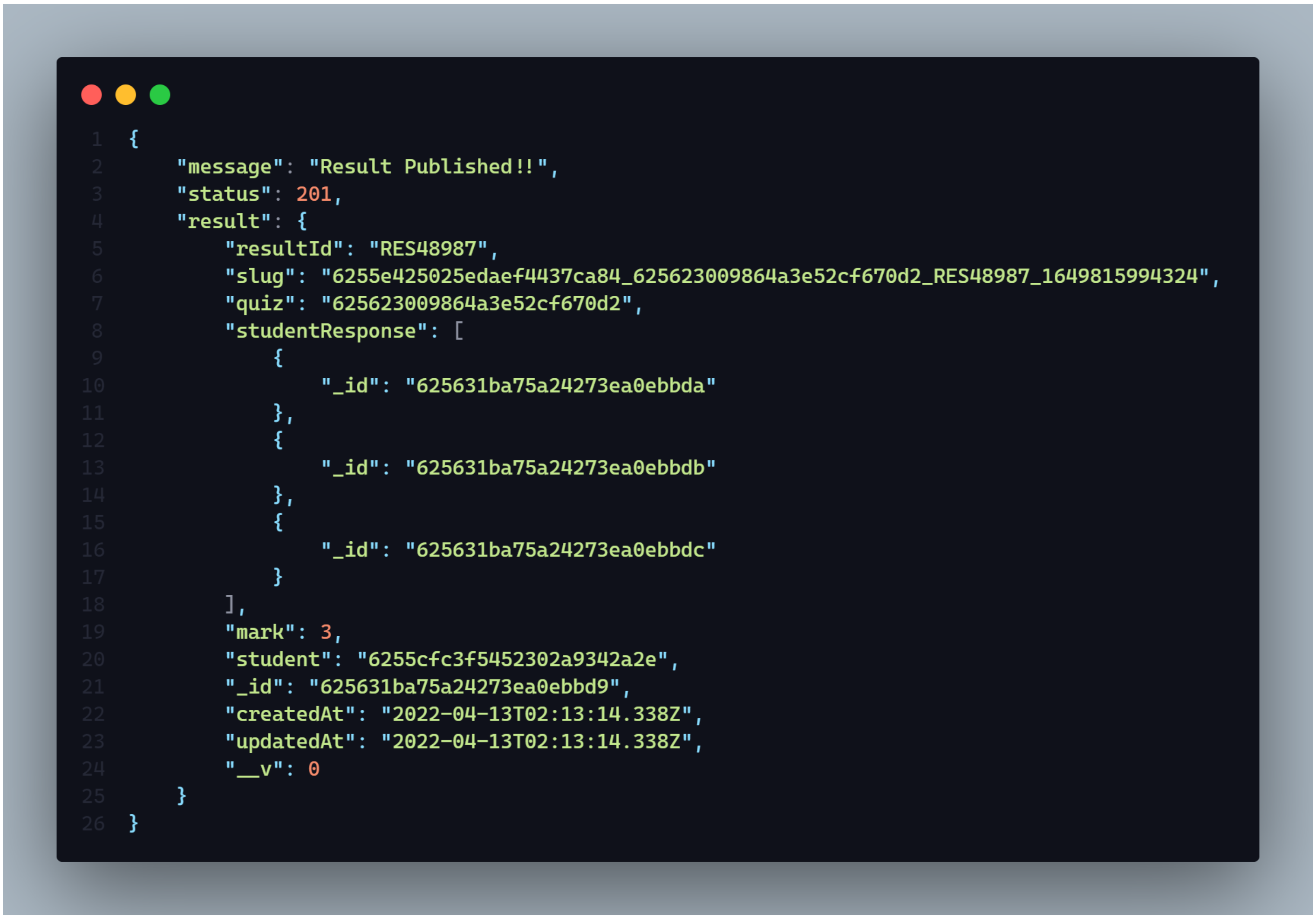
```
{
    "quizId": "625623009864a3e52cf670d2",
    "courseId": "6255e425025edaef4437ca84",
    "response": [
        {
            "questionID": "625623019864a3e52cf670d4",
            "responseOption": "1"
        },
        {
            "questionID": "625623019864a3e52cf670d9",
            "responseOption": "2"
        },
        {
            "questionID": "625623019864a3e52cf670de",
            "responseOption": "3"
        }
    ]

}
```

Params: N/A

Query: N/A

Response:



```
{
    "message": "Result Published!!",
    "status": 201,
    "result": {
        "resultId": "RES48987",
        "slug": "6255e425025edaef4437ca84_625623009864a3e52cf670d2_RES48987_1649815994324",
        "quiz": "625623009864a3e52cf670d2",
        "studentResponse": [
            {
                "_id": "625631ba75a24273ea0ebbda"
            },
            {
                "_id": "625631ba75a24273ea0ebbdb"
            },
            {
                "_id": "625631ba75a24273ea0ebbdc"
            }
        ],
        "mark": 3,
        "student": "6255cfc3f5452302a9342a2e",
        "_id": "625631ba75a24273ea0ebbd9",
        "createdAt": "2022-04-13T02:13:14.338Z",
        "updatedAt": "2022-04-13T02:13:14.338Z",
        "__v": 0
    }
}
```

Demo: N/A

WorkFlow: **1.** When student give a MCQ exam it will take all option

2. It will match all given answer with the original answer and mark it and give the result instant.

.