UniTimeTableManagement

This API Documentation Develop for University TimeTable Management System which is Developed for Application Framework (SE3040). This Documentation API Includes 7 areas covered the system requirements,

- Student Role
- Class Room
- Time Table
- Enrolment
- Course
- Time Manager(Admin)
- Faculty

Developed By -: Gunatilleke M. B. D. S (IT21321436)

Student

Read

GET   http://localhost:8070/students/allStudents

http://localhost:8070/students/allStudents

GET   http://localhost:8070/students/getStudent/65ff1e736010f8b4b329bffc

http://localhost:8070/students/getStudent/65ff1e736010f8b4b329bffc

Create

POST   New Request

http://localhost:8070/auth/registerStudent

Body raw (json)

```json
{
    "Fullname": "John woo",
    "StudentID": "ST12345",
    "Email": "john.woo@example.com",
    "Address": "111 Main Street",
    "Phone": 713123242,
    "UserType": "student",
    "Gender": "male",
    "Password": "passwordwoo"
}
```

POST   http://localhost:8070/auth/registerStudent

http://localhost:8070/auth/registerStudent

Body raw (json)

```json
{
    "Fullname": "John Doe",
    "StudentID": "ST12345",
    "Email": "john.doe@example.com",
    "Address": "110 Main Street",
    "Phone": 713113242,
    "UserType": "student",
    "Gender": "male",
    "Password": "password"
}
```

POST   New Request

http://localhost:8070/auth/loginStudent

Body raw (json)

json

```
{
    "Email": "john.woo@example.com",
    "Password": "passwordwoo"
}
```

Update

PUT http://localhost:8070/students/updateStudent/65ff1e736010f8b4b329bffc

http://localhost:8070/students/updateStudent/65ff1e736010f8b4b329bffc

Body raw (json)

json

```
{

    "Fullname": "John Doe",
    "Email": "john.doe@example.com",
    "Address": "110 Main Street",
    "Phone": 763113242,
    "UserType": "student",
    "Gender": "male",
    "Password": "changed"
}
```

Delete

DELETE http://localhost:8070/students/deleteStudent/65ff1e736010f8b4b329bffc

http://localhost:8070/students/deleteStudent/65ff1e736010f8b4b329bffc

ClassRoom

Read

GET **http://localhost:8070/classRooms/allClassRooms**

http://localhost:8070/classRooms/allClassRooms

GET **http://localhost:8070/classRooms/getClassRoom/65ffcf2261f3551ab1ea4c21**

http://localhost:8070/classRooms/getClassRoom/65ffcfc361f3551ab1ea4c24

Create

POST **http://localhost:8070/classRooms/createClassRoom**

http://localhost:8070/classRooms/createClassRoom

Body raw (json)

```json
{
    "RoomID": "101",
    "Resources": "Projector, Whiteboard",
    "AllocatedState": false
}
```

Update

PUT **http://localhost:8070/classRooms/createClassRoom**

http://localhost:8070/classRooms/updateClassRoom/65ffcf2261f3551ab1ea4c21

Body raw (json)

```json
{
    "AllocatedState": true
}
```

Delete

DELETE http://localhost:8070/classRooms/deleteClassRoom/65ffcf2261f3551ab1ea4c21

http://localhost:8070/classRooms/deleteClassRoom/65ffcf2261f3551ab1ea4c21

TimeTable

Read

GET http://localhost:8070/timeTables/allTimeTables

http://localhost:8070/timeTables/allTimeTables

Create

POST http://localhost:8070/timeTables/createTimeTable

http://localhost:8070/timeTables/createTimeTable

Body raw (json)

```json
{
    "TimeTableID": "TT123",
    "Batch": "Y3_S2",
    "Course": [
        {
            "Code": "CSE101",
            "CourseName": "Introduction to Computer Science",
            "Description": "An introductory course covering fundamental concepts of computer s
            "Credits": 3
        },
        {
            "Code": "MATH202",
            "CourseName": "Linear Algebra",
            "Description": "A foundational course in mathematics focusing on linear equations a
            "Credits": 4
        }
    ],
    "Location": "Room 101",
    "Time": "2024-03-15T10:00:00Z",
    "Faculty": [
        { "Faculty": "IT", "DepartmentName": "Computer Science" }
    ]
}
```

POST http://localhost:8070/timeTables/createTimeTable

http://localhost:8070/timeTables/createTimeTable

Body raw (json)

```json
{
    "TimeTableID": "TT124",
    "Batch": "Y2_S2",
    "Course": [
        {
            "Code": "CSE101",
            "CourseName": "Introduction to Computer Science",
            "Description": "An introductory course covering fundamental concepts of computer s
            "Credits": 3
        },
        {
            "Code": "MATH202",
            "CourseName": "Linear Algebra",
            "Description": "A foundational course in mathematics focusing on linear equations a
```

```json
            "Credits": 4
        }
    ],
    "Location": "Room 101",
    "Time": "2024-03-15T10:00:00Z",
    "Faculty": [
        { "Faculty": "IT", "DepartmentName": "Computer Science" }
    ]
}
```

Update

PUT http://localhost:8070/timeTables/updateTimeTable/65fffb050835aa70981e164d

http://localhost:8070/timeTables/updateTimeTable/65fffb050835aa70981e164d

Body raw (json)

```json
json

{"Batch": "2023"}
```

Delete

DELETE http://localhost:8070/timeTables/deleteTimeTable/65fffb050835aa70981e164d

http://localhost:8070/timeTables/deleteTimeTable/65fffb050835aa70981e164d

Enrolment

Read

GET http://localhost:8070/enrolments/allEnrolments

http://localhost:8070/enrolments/allEnrolments

GET http://localhost:8070/enrolments/getEnrolment/66001b4b70a09cca55d47d0e

http://localhost:8070/enrolments/getEnrolment/66001b4b70a09cca55d47d0e

Create

POST http://localhost:8070/enrolments/createEnrolment

http://localhost:8070/enrolments/createEnrolment

Body raw (json)

```json
{
    "EnrolmentID": "ENR001",
    "StudentID": "STU001",
    "StudentName": "John Doe",
    "Course": {
        "Code": "CSE101",
        "CourseName": "Introduction to Computer Science",
        "Description": "A beginner's course in computer science.",
        "Credits": 4
    }
}
```

POST http://localhost:8070/enrolments/createEnrolment

http://localhost:8070/enrolments/createEnrolment

Body raw (json)

```json
{
    "EnrolmentID": "ENR456",
    "StudentID": "STU789",
    "StudentName": "Jane Smith",
    "Course": {
        "Code": "MATH202",
        "CourseName": "Linear Algebra",
        "Description": "A course focusing on linear algebra concepts and applications.",
        "Credits": 4
    }
}
```

Update

PUT http://localhost:8070/enrolments/updateEnrolment/66001b4b70a09cca55d47d0e

http://localhost:8070/enrolments/updateEnrolment/66001b4b70a09cca55d47d0e

Body raw (json)

```json
{
    "StudentID": "IT789"
}
```

Delete

DELETE http://localhost:8070/enrolments/deleteEnrolment/66001b4b70a09cca55d47d0e

http://localhost:8070/enrolments/deleteEnrolment/66001b4b70a09cca55d47d0e

Course

Read

GET **http://localhost:8070/courses/allCourses**

http://localhost:8070/courses/allCourses

GET **http://localhost:8070/courses/getCourse/65ffde82cc6d727bfcc0594a**

http://localhost:8070/courses/getCourse/65ffde82cc6d727bfcc0594a

Create

POST **http://localhost:8070/courses/createCourse**

http://localhost:8070/courses/createCourse

Body raw (json)

```json
{
    "Code": "CSE101",
    "CourseName": "Introduction to Computer Science",
    "Description": "An introductory course covering the basics of computer science.",
    "Credits": 3
}
```

POST **http://localhost:8070/courses/createCourse**

http://localhost:8070/courses/createCourse

Body raw (json)

Body raw (json)

```json
{
    "Code": "SE3030",
    "CourseName": "Software Architecture",
    "Description": "An introductory course covering the Software Architecture",
    "Credits": 4
}
```

Update

PUT http://localhost:8070/courses/updateCourse/65ffde82cc6d727bfcc0594a

http://localhost:8070/courses/updateCourse/65ffde82cc6d727bfcc0594a

Body raw (json)

```json
{
    "Description": "An introductory course covering the basics of computer science and Updated
}
```

Delete

DELETE http://localhost:8070/courses/deleteCourse/65ffde82cc6d727bfcc0594a

http://localhost:8070/courses/deleteCourse/65ffde82cc6d727bfcc0594a

TimeManager

Read

GET   http://localhost:8070/timeManagers/allTimeManagers

http://localhost:8070/timeManagers/allTimeManagers

GET   http://localhost:8070/timeManagers/getTimeManager/66002bc6bdb58502294b4b76

http://localhost:8070/timeManagers/getTimeManager/66002bc6bdb58502294b4b76

Create

POST   http://localhost:8070/auth/registerTimeManager

http://localhost:8070/auth/registerTimeManager

Body   raw (json)

```json
{
  "ManagerName": "John Doe",
  "ManagerEmail": "john@example.com",
  "ManagerAddress": "123 Main St",
  "ManagerPhone": 7234567891,
  "Password": "passt"
}
```

POST   http://localhost:8070/auth/loginTimeManager

http://localhost:8070/auth/loginTimeManager

Body   raw (json)

json

```json
{
  "ManagerEmail": "john@example.com",
  "Password": "passt"
}
```

POST http://localhost:8070/auth/registerTimeManager

http://localhost:8070/auth/registerTimeManager

Body raw (json)

```json
{
  "ManagerName": "John rowbi",
  "ManagerEmail": "johnrobi@example.com",
  "ManagerAddress": "124 Main St",
  "ManagerPhone": 7234567341,
  "Password": "passman"
}
```

Update

PUT http://localhost:8070/timeManagers/updateTimeManager/66002bc6bdb58502294b4b76

http://localhost:8070/timeManagers/updateTimeManager/66002bc6bdb58502294b4b76

Body raw (json)

```json
{"ManagerName": "John update"}
```

Delete

DELETE **http://localhost:8070/timeManagers/deleteTimeManager/66002e3dbdb58502 294b4b7c**

http://localhost:8070/timeManagers/deleteTimeManager/66002e3dbdb58502294b4b7c

Faculty

Read

GET **http://localhost:8070/faculties/allFaculties**

http://localhost:8070/faculties/allFaculties

GET **http://localhost:8070/faculties/getFaculty/66003211e59f37d2c16d9a5b**

http://localhost:8070/faculties/getFaculty/66003211e59f37d2c16d9a5b

Create

POST **http://localhost:8070/faculties/createFaculty**

http://localhost:8070/faculties/createFaculty

Body raw (json)

json

{
    "FacultyName": "Jane",
    "DepartmentName": "Engineering"

```
        }
```

POST   http://localhost:8070/faculties/createFaculty

http://localhost:8070/faculties/createFaculty

Body raw (json)

```json
{
    "FacultyName": "SELec",
    "DepartmentName": "Software Engineering"
}
```

Update

PUT   http://localhost:8070/faculties/getFaculty/66003211e59f37d2c16d9a5b

http://localhost:8070/faculties/updateFaculty/66003211e59f37d2c16d9a5b

Body raw (json)

```json
{"FacultyName": "UJane"}
```

Delete

DELETE   http://localhost:8070/faculties/deleteFaculty/66003211e59f37d2c16d9a5b

http://localhost:8070/faculties/deleteFaculty/66003211e59f37d2c16d9a5b

GET New Request