**API Specification Doc**

**(*Knowledge Representation*)**

|  |  |  |  |
| --- | --- | --- | --- |
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| API |  |  |  |

## 

## API MAIN URL - cs6310-api-v1.mybluemix.net/api

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Methods

# Create Privilege

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /privilege/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | name |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  “status”:”OK”  } |

# Get all privileges Set

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | privilege/privilegeAll |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| x-www-form-urlencoded |  |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "id": 1,  "uuid": "31584237-0194-4111-8849-36e5c77d334c",  "name": "View"  },  {  "id": 51,  "uuid": "96f2ec43-92c1-4870-a585-077069f88275",  "name": "View2"  }  ]  } |

# Get Privilege by uuid

.

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /privilege/privilege/96f2ec43-92c1-4870-a585-077069f88275 |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| x-www-form-urlencoded |  |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK",  "response": {  "id": 51,  "uuid": "96f2ec43-92c1-4870-a585-077069f88275",  "name": "View2"  }  } |

# Delete one privilege

.

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | privilege/remove |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| x-www-form-urlencoded | uuid |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK"  } |

# Delete All privileges

.

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | privilege/dropAll |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK"  } |

# Create a Role

.

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | / role/role |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| x-www-form-urlencoded | roleName |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK"  } |

# Get All roles

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /role/allRoles |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "id": 401,  "uuid": "fc46f02d-beed-4d39-b400-16d3313611ef",  "name": "Admin2",  "privileges": []  },  {  "id": 201,  "uuid": "4156c93c-47d3-4e4f-a6c5-c5b483e6ad13",  "name": "Admin",  "privileges": []  },  {  "id": 451,  "uuid": "52bff899-eb3e-450f-8f08-6a82242e73e0",  "name": "Admin5",  "privileges": []  }  ]  } |

# Get role by uuid

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /role/role/{ 4156c93c-47d3-4e4f-a6c5-c5b483e6ad13} |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK",  "response": {  "id": 201,  "uuid": "4156c93c-47d3-4e4f-a6c5-c5b483e6ad13",  "name": "Admin"  }  } |

# Remove Role by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /role/remove |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| x-www-form-urlencoded | uuid |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK"  } |

# Drop All Roles

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /role/dropAll |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "status": "OK"  } |

# Assign Privilege to role

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /role/addPrivilegeToRole |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | roleUUID  privilegeUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

# Remove Privilege from a role

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /role/removePrivilegeFromRole |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | roleUUID  privilegeUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

# Add Semester

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | / semester/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | name  year |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

# Get all semesters

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | / semester/semesters |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "uuid": "a7f5856f-a7b0-4436-85c5-4085215dbca1",  "name": "Fall",  "year": "2105"  }  ]  } |

# Get semester by uuid

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | / semester/semester/{uuid} |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "uuid": "a7f5856f-a7b0-4436-85c5-4085215dbca1",  "name": "Fall",  "year": "2105"  }  ]  } |

# Add Courses

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /course/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | courseId  hasPrerequisite  mustBeOffered  courseName  courseCredits  priority  maximumEnrollment  currentEnrollment |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Get All Courses

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /course/allCourses |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "uuid": "a37e13b5-b690-4f97-aa2b-a562477f064e",  "courseId": "12",  "hasPrerequisite": true,  "mustBeOffered": true,  "courseName": 12,  "priority": 1,  "courseCredits": 2,  "maximumEnrollment": 12,  "currentEnrollment": 12,  "offeredInSemester": []  },  {  "uuid": "957ebefc-2dac-4912-be0b-5daa7e91d0bd",  "courseId": "12",  "hasPrerequisite": true,  "mustBeOffered": true,  "courseName": 229,  "priority": 1,  "courseCredits": 2,  "maximumEnrollment": 12,  "currentEnrollment": 12,  "offeredInSemester": []  }  ]  } |

### Update Courses

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /course/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid  courseId  hasPrerequisite  mustBeOffered  courseName  courseCredits  priority  maximumEnrollment  currentEnrollment |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Get Courses by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /course/create/{uuid} |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": {  "uuid": "957ebefc-2dac-4912-be0b-5daa7e91d0bd",  "courseId": "12",  "hasPrerequisite": true,  "mustBeOffered": true,  "courseName": 78,  "priority": 122,  "courseCredits": 222,  "maximumEnrollment": 1222,  "currentEnrollment": 1222,  "offeredInSemester": []  }  } |

### Delete Courses by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /course/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Set Semesters to offer Courses

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /course/ setCourseSemester |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | courseUUID  semesterUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Semester that Courses will not be offered in

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /course/removeCourseSemester |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | courseUUID  semesterUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add prerequisites to Courses

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /course/ addPrerequisiteToCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | courseUUID1  courseUUID2 |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove prerequisites in Courses

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /course/ removePrerequisiteToCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | courseUUID1  courseUUID2 |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

# Administrators

### Create Administrator

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /administrator/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | administratorId  lastName  firstName  mobilePhone  email  gender  address  userName  password  secretQuestion  secretAnswer  active |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Get All Administrators

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /administrator/allAdminstrators |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "uuid": "e980e46c-e49c-4f7b-8044-002adef8f0e3",  "administratorId": "3434",  "personDetails": {  "uuid": "b3d4d53b-1fa8-4951-aec4-f4072b30cb79",  "firstName": "nem",  "lastName": "nem",  "profilePic": "",  "mobilePhone": "07200266381",  "email": "k@gmail.com1",  "gender": "Male",  "address": "230 Lessos"  },  "roles": [],  "accessCredential": {  "username": "nem",  "password": "nem",  "secretQuestion": "nem",  "secretAnswer": "nem",  "active": true  }  }  ]  } |

### Update Administrator

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /administrator/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid  administratorId  lastName  firstName  mobilePhone  email  gender  address  userName  password  secretQuestion  secretAnswer  active |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Delete Administrator by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /administrator/deleteAdminByUUID |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Get Administrator Details by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /administrator/ administrator/{uuid} |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": {  "uuid": "daf56b44-c54c-499f-9b77-6e76d7b73dfa",  "administratorId": "4334",  "personDetails": {  "uuid": "ed2e418b-b782-4ef9-9224-fd5d29189dce",  "firstName": "lolo",  "lastName": "lolo",  "profilePic": "",  "mobilePhone": "07200266381",  "email": "k@gmail.com1",  "gender": "Male",  "address": "230 Lessos"  },  "roles": [],  "accessCredential": {  "username": "lolo",  "password": "lolo",  "secretQuestion": "lolo",  "secretAnswer": "lolo",  "active": true  }  }  } |

### Add Role to Administrator

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /administrator/addRoleToAdministrator |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | adminUUID  roleUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Role from an Administrator

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /administrator/removeRoleFromAdministrator |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | adminUUID  roleUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

# Professors

### Add new Professor

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /professor/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | availability  lastName  firstName  mobilePhone  email  gender  address  userName  password  secretQuestion  secretAnswer  active |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Update Professor

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /professor/update |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid  availability  lastName  firstName  mobilePhone  email  gender  address  userName  password  secretQuestion  secretAnswer  active |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Get all Professor

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /professor/allProfessors |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "uuid": "c203a233-f279-4d88-b851-468a13c036fe",  "available": true,  "personDetails": {  "uuid": "461f370a-ac66-43af-bf02-f83e398ef47d",  "firstName": "p",  "lastName": "p",  "profilePic": "",  "mobilePhone": "03443",  "email": "l@k.com",  "gender": "male",  "address": "23"  },  "accessCredential": {  "username": "p",  "password": "p",  "secretQuestion": "p",  "secretAnswer": "p",  "active": true  },  "competentCourseList": [],  "teachingCourseList": []  }  ]  } |

### Get Professor by uuid

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /professor/professor/{uuid} |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": {  "uuid": "c203a233-f279-4d88-b851-468a13c036fe",  "available": false,  "personDetails": {  "uuid": "461f370a-ac66-43af-bf02-f83e398ef47d",  "firstName": "p1",  "lastName": "p1",  "profilePic": "",  "mobilePhone": "03443",  "email": "l@k.com",  "gender": "male",  "address": "23"  },  "accessCredential": {  "username": "p",  "password": "p1",  "secretQuestion": "p1",  "secretAnswer": "p1",  "active": true  },  "competentCourseList": [],  "teachingCourseList": []  }  } |

### Delete Professor by uuid

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /professor/deleteProfessorByUUID |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add Professor Competent Course

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /professor/addProfCompetentCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | profUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Professor Competent Course

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /professor/removeProfCompetentCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | profUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add Professor Teaching Course

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /professor/addProfTeachingCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | profUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Professor Teaching Course

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /professor/removeProfTeachingCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | profUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

# Students

### Create Students

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentId  maxCourses  studentStatus  lastName  firstName  mobilePhone  email  gender  address  userName  password  secretQuestion  secretAnswer  active |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Update Students

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/update |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid  studentId  maxCourses  studentStatus  lastName  firstName  mobilePhone  email  gender  address  userName  password  secretQuestion  secretAnswer  active |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Get all students

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /student/allStudents |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "uuid": "82435800-5b7f-455e-b8df-747a2b92e5af",  "studentId": "1212",  "studentStatus": "Junior",  "maxCourses": 12,  "personDetails": {  "uuid": "16b3cded-059d-4808-9cb7-8465109c97ea",  "firstName": "p11",  "lastName": "p11",  "profilePic": "",  "mobilePhone": "034431",  "email": "l@k.com1",  "gender": "male",  "address": "231"  },  "accessCredential": {  "username": "p11",  "password": "p11",  "secretQuestion": "p11",  "secretAnswer": "p11",  "active": false  },  "completedCourses": [],  "recommendedCourses": [],  "coursesInProgress": [],  "preferedCoursesToBeOptimized": []  }  ]  } |

### Delete Student by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /student/deleteStudentByUUID |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Get Student by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /student/student/{uuid} |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": {  "uuid": "d6ea5a30-d451-485d-8eba-55d8ea548529",  "studentId": "1212",  "studentStatus": "Junior",  "maxCourses": 123,  "personDetails": {  "uuid": "15107bd2-0310-49a7-98ab-94670d136418",  "firstName": "kk1",  "lastName": "kk1",  "profilePic": "",  "mobilePhone": "034431",  "email": "l@k.com1",  "gender": "male",  "address": "23134"  },  "accessCredential": {  "username": "kk",  "password": "kk1",  "secretQuestion": "kk1",  "secretAnswer": "kk1",  "active": true  },  "completedCourses": [],  "recommendedCourses": [],  "coursesInProgress": [],  "preferedCoursesToBeOptimized": []  }  } |

### Add Completed Course For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/addStudentsCompletedCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Completed Course For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/removeStudentsCompletedCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add Completed Course For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/addStudentsRecommendedCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Completed Course For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/removeStudentsRecommendedCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add Course in Progress For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/addStudentsProgressCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Course in Progress For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/removeStudentsProgressCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add Course in Progress For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/addStudentsProgressCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Course in Progress For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/removeStudentsProgressCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add Courses to be optimized For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/addStudentsToBeOptimizedCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Course to be optimized For Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /student/removeStudentsToBeOptimizedCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

# Teaching Assistants

### Create TA

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /teachingAssistant/create |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | studentId |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Get all TA

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /teachingAssistant/allTeachingAssistant |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": [  {  "uuid": "15ced0d4-dfd6-4dd0-b8de-4bbd6232e5a1",  "student": {  "uuid": "d6ea5a30-d451-485d-8eba-55d8ea548529",  "studentId": "1212",  "studentStatus": "Junior",  "maxCourses": 123,  "personDetails": {  "uuid": "15107bd2-0310-49a7-98ab-94670d136418",  "firstName": "kk1",  "lastName": "kk1",  "profilePic": "",  "mobilePhone": "034431",  "email": "l@k.com1",  "gender": "male",  "address": "23134"  },  "accessCredential": {  "username": "kk",  "password": "kk1",  "secretQuestion": "kk1",  "secretAnswer": "kk1",  "active": true  },  "completedCourses": [],  "recommendedCourses": [],  "coursesInProgress": [],  "preferedCoursesToBeOptimized": []  },  "competency": [],  "assisting": []  }  ]  } |

### Get TA by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | /teachingAssistant/{uuid} |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| NA | NA |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": {  "uuid": "15ced0d4-dfd6-4dd0-b8de-4bbd6232e5a1",  "student": {  "uuid": "d6ea5a30-d451-485d-8eba-55d8ea548529",  "studentId": "1212",  "studentStatus": "Junior",  "maxCourses": 123,  "personDetails": {  "uuid": "15107bd2-0310-49a7-98ab-94670d136418",  "firstName": "kk1",  "lastName": "kk1",  "profilePic": "",  "mobilePhone": "034431",  "email": "l@k.com1",  "gender": "male",  "address": "23134"  },  "accessCredential": {  "username": "kk",  "password": "kk1",  "secretQuestion": "kk1",  "secretAnswer": "kk1",  "active": true  },  "completedCourses": [],  "recommendedCourses": [],  "coursesInProgress": [],  "preferedCoursesToBeOptimized": []  },  "competency": [],  "assisting": []  }  } |

### Delete TA by UUID

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /teachingAssistant/deleteTeachingAssistantByUUID |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | uuid |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add Competent courses for TA

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /teachingAssistant/addTACompetentCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | taUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Remove Competent courses for TA

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /teachingAssistant/removeTACompetentCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | taUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Add Assisting courses for TA

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /teachingAssistant/addTAAssistingCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | taUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### 20.7 Remove Assisting courses for TA

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /teachingAssistant/removeTAAssistingCourse |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | taUUID  courseUUID |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK"  } |

### Access Credentials

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | /access/login |

|  |  |  |
| --- | --- | --- |
| **Content-Type"** | **Params** | **Values** |
| x-www-form-urlencoded | username  password |  |

## Response

|  |  |
| --- | --- |
| **Status Code** | **Response** |
| 200 | {  "status": "OK",  "response": {  "username": "p",  "password": "p1",  "secretQuestion": "p1",  "secretAnswer": "p1",  "active": true  }  } |

# Glossary

## Conventions

* **Client** - Client application.
* **Status** - HTTP status code of response.
* All the possible responses are listed under ‘Responses’ for each method. Only one of them is issued per request server.
* All response are in JSON format.

## Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |
| 201 | Created |
| 202 | Accepted (Request accepted, and queued for execution) |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |
| 413 | Request Entity Too Large |
| 500 | Internal Server Error |
| 501 | Not Implemented |
| 503 | Service Unavailable |