SchoolAPI 1.0 OAS3

/api/v1/openapi.yaml

Course

GET /api/v1/courses

Parameters | Try it out

No parameters

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "courseId": 0, "courseName": "string", "courseCredit": 0 }`	No links

POST /api/v1/courses

Parameters | Try it out

No parameters

Request body | application/json

Example Value | Schema
```
{
  "courseId": 0,
  "courseName": "string",
  "courseCredit": 0
}
```

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "courseId": 0, "courseName": "string", "courseCredit": 0 }`	No links

GET /api/v1/courses/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "courseId": 0, "courseName": "string", "courseCredit": 0 }`	No links

PUT /api/v1/courses/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Request body | application/json

Example Value | Schema
```
{
  "courseId": 0,
  "courseName": "string",
  "courseCredit": 0
}
```

Responses

Code	Description	Links
200	Success	No links

DELETE /api/v1/courses/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success	No links

Department

GET /api/v1/departments

Parameters | Try it out

No parameters

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "departmentId": 0, "departmentName": "string", "departmentLocation": "string" }`	No links

POST /api/v1/departments

Parameters | Try it out

No parameters

Request body | application/json

Example Value | Schema
```
{
  "departmentId": 0,
  "departmentName": "string",
  "departmentLocation": "string"
}
```

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "departmentId": 0, "departmentName": "string", "departmentLocation": "string" }`	No links

GET /api/v1/departments/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "departmentId": 0, "departmentName": "string", "departmentLocation": "string" }`	No links

PUT /api/v1/departments/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Request body | application/json

Example Value | Schema
```
{
  "departmentId": 0,
  "departmentName": "string",
  "departmentLocation": "string"
}
```

Responses

Code	Description	Links
200	Success	No links

DELETE /api/v1/departments/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success	No links

Grade

GET /api/v1/grades

Parameters | Try it out

No parameters

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "gradeId": 0, "gradeName": "string" }`	No links

POST /api/v1/grades

Parameters | Try it out

No parameters

Request body | application/json

Example Value | Schema
```
{
  "gradeId": 0,
  "gradeName": "string"
}
```

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "gradeId": 0, "gradeName": "string" }`	No links

GET /api/v1/grades/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "gradeId": 0, "gradeName": "string" }`	No links

PUT /api/v1/grades/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Request body | application/json

Example Value | Schema
```
{
  "gradeId": 0,
  "gradeName": "string"
}
```

Responses

Code	Description	Links
200	Success	No links

DELETE /api/v1/grades/{id}

Parameters | Try it out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success	No links

Student

GET /api/v1/students

Parameters | Try it out

No parameters

Responses

Code	Description	Links
200	Success Media type: text/plan Controls Accept header. Example Value | Schema `{ "studentId": 0, "studentFirstName": "string", "studentLastName": "string", "studentDob": "2025-08-26T00:00:00.000", "studentGender": "string", "studentAddress": "string", "studentEmail": "string", "studentPhone": "string", "studentGuardianFirstName": "string", "studentGuardianLastName": "string", "studentGuardianPhone": "string", "studentGuardianEmail": "string", "studentGuardianRelation": "string", "studentPassword": "string", "studentStatus": "string", "departmentId": 0, "gradeId": 0, "departmentDetail": { "departmentId": 0, "departmentName": "string", "departmentLocation": "string" }, "gradeDetail": { "gradeId": 0, "gradeName": "string" } }`	No links

POST /api/v1/students

Parameters | Try it out

No parameters

Request body | application/json

```
{
  "studentID": 0,
  "firstName": "string",
  "lastName": "string",
  "dateOfBirth": "2022-08-12T10:41:46.165Z",
  "gender": "string",
  "grade": 0,
  "grades": {
    "grade": 0,
    "gradeName": "string"
  },
  "studentAddresses": {
    "studentAddressID": 0,
    "studentID": 0,
    "countryID": 0,
    "address": "string",
    "city": "string",
    "state": "string",
    "zipCode": "string",
    "country": "string"
  },
  "departments": {
    "departmentID": 0,
    "departmentCode": "string",
    "departmentName": "string",
    "departmentDescription": "string"
  },
  "courses": {
    "courseID": 0,
    "courseCode": "string",
    "courseName": "string",
    "courseDescription": "string",
    "courseCredit": 0,
    "courseLevel": 0,
    "courseTeacher": "string"
  }
}
```


Responses

Code	Description	Links
200	Success	No links

Media type: text/plain

Controls Accept header.

Example Value | Schema


```
{
  "studentID": 0,
  "firstName": "string",
  "lastName": "string",
  "dateOfBirth": "2022-08-12T10:41:46.165Z",
  "gender": "string",
  "grade": 0,
  "grades": {
    "grade": 0,
    "gradeName": "string"
  },
  "studentAddresses": {
    "studentAddressID": 0,
    "studentID": 0,
    "countryID": 0,
    "address": "string",
    "city": "string",
    "state": "string",
    "zipCode": "string",
    "country": "string"
  },
  "departments": {
    "departmentID": 0,
    "departmentCode": "string",
    "departmentName": "string",
    "departmentDescription": "string"
  },
  "courses": {
    "courseID": 0,
    "courseCode": "string",
    "courseName": "string",
    "courseDescription": "string",
    "courseCredit": 0,
    "courseLevel": 0,
    "courseTeacher": "string",
    "courseID": 0,
    "courseCode": "string",
    "courseName": "string",
    "courseDescription": "string",
    "courseCredit": 0,
    "courseLevel": 0,
    "courseTeacher": "string"
  }
}
```


GET /api/students/{id}

Parameters Try It out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success	No links

Media type: text/plain

Controls Accept header.

Example Value | Schema


```
{
  "studentID": 0,
  "firstName": "string",
  "lastName": "string",
  "dateOfBirth": "2022-08-12T10:41:46.165Z",
  "gender": "string",
  "grade": 0,
  "grades": {
    "grade": 0,
    "gradeName": "string"
  },
  "studentAddresses": {
    "studentAddressID": 0,
    "studentID": 0,
    "countryID": 0,
    "address": "string",
    "city": "string",
    "state": "string",
    "zipCode": "string",
    "country": "string"
  },
  "departments": {
    "departmentID": 0,
    "departmentCode": "string",
    "departmentName": "string",
    "departmentDescription": "string"
  },
  "courses": {
    "courseID": 0,
    "courseCode": "string",
    "courseName": "string",
    "courseDescription": "string",
    "courseCredit": 0,
    "courseLevel": 0,
    "courseTeacher": "string",
    "courseID": 0,
    "courseCode": "string",
    "courseName": "string",
    "courseDescription": "string",
    "courseCredit": 0,
    "courseLevel": 0,
    "courseTeacher": "string"
  }
}
```


PUT /api/students/{id}

Parameters Try It out

Name	Description
id * required integer($int32) (path)	id

Request body application/json

Example Value | Schema


```
{
  "studentID": 0,
  "firstName": "string",
  "lastName": "string",
  "dateOfBirth": "2022-08-12T10:41:46.165Z",
  "gender": "string",
  "grade": 0,
  "grades": {
    "grade": 0,
    "gradeName": "string"
  },
  "studentAddresses": {
    "studentAddressID": 0,
    "studentID": 0,
    "countryID": 0,
    "address": "string",
    "city": "string",
    "state": "string",
    "zipCode": "string",
    "country": "string"
  },
  "departments": {
    "departmentID": 0,
    "departmentCode": "string",
    "departmentName": "string",
    "departmentDescription": "string"
  },
  "courses": {
    "courseID": 0,
    "courseCode": "string",
    "courseName": "string",
    "courseDescription": "string",
    "courseCredit": 0,
    "courseLevel": 0,
    "courseTeacher": "string",
    "courseID": 0,
    "courseCode": "string",
    "courseName": "string",
    "courseDescription": "string",
    "courseCredit": 0,
    "courseLevel": 0,
    "courseTeacher": "string"
  }
}
```


Responses

Code	Description	Links
200	Success	No links

DELETE /api/students/{id}

Parameters Try It out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success	No links

StudentAddress

GET /api/student-addresses

Parameters Try It out

No parameters

Responses

Code	Description	Links
200	Success	No links

Media type: text/plain

Controls Accept header.

Example Value | Schema


```
[
  {
    "studentAddressID": 0,
    "address": "string",
    "city": "string",
    "state": "string",
    "zipCode": "string",
    "country": "string",
    "students": {
      "studentID": 0,
      "firstName": "string",
      "lastName": "string",
      "dateOfBirth": "2022-08-12T10:41:46.165Z",
      "gender": "string",
      "grade": 0,
      "grades": {
        "grade": 0,
        "gradeName": "string"
      },
      "studentAddresses": {
        "studentAddressID": 0,
        "studentID": 0,
        "countryID": 0,
        "address": "string",
        "city": "string",
        "state": "string",
        "zipCode": "string",
        "country": "string"
      },
      "departments": {
        "departmentID": 0,
        "departmentCode": "string",
        "departmentName": "string",
        "departmentDescription": "string"
      },
      "courses": {
        "courseID": 0,
        "courseCode": "string",
        "courseName": "string",
        "courseDescription": "string",
        "courseCredit": 0,
        "courseLevel": 0,
        "courseTeacher": "string",
        "courseID": 0,
        "courseCode": "string",
        "courseName": "string",
        "courseDescription": "string",
        "courseCredit": 0,
        "courseLevel": 0,
        "courseTeacher": "string"
      }
    }
  }
```


POST /api/student-addresses

Parameters Try It out

No parameters

Request body application/json

Example Value | Schema


```
{
  "studentAddressID": 0,
  "address": "string",
  "city": "string",
  "state": "string",
  "zipCode": "string",
  "country": "string",
  "students": {
    "studentID": 0,
    "firstName": "string",
    "lastName": "string",
    "dateOfBirth": "2022-08-12T10:41:46.165Z",
    "gender": "string",
    "grade": 0,
    "grades": {
      "grade": 0,
      "gradeName": "string"
    },
    "studentAddresses": {
      "studentAddressID": 0,
      "studentID": 0,
      "countryID": 0,
      "address": "string",
      "city": "string",
      "state": "string",
      "zipCode": "string",
      "country": "string"
    },
    "departments": {
      "departmentID": 0,
      "departmentCode": "string",
      "departmentName": "string",
      "departmentDescription": "string"
    },
    "courses": {
      "courseID": 0,
      "courseCode": "string",
      "courseName": "string",
      "courseDescription": "string",
      "courseCredit": 0,
      "courseLevel": 0,
      "courseTeacher": "string",
      "courseID": 0,
      "courseCode": "string",
      "courseName": "string",
      "courseDescription": "string",
      "courseCredit": 0,
      "courseLevel": 0,
      "courseTeacher": "string"
    }
  }
```


Responses

Code	Description	Links
200	Success	No links

Media type: text/plain

Controls Accept header.

Example Value | Schema


```
{
  "studentAddressID": 0,
  "address": "string",
  "city": "string",
  "state": "string",
  "zipCode": "string",
  "country": "string",
  "students": {
    "studentID": 0,
    "firstName": "string",
    "lastName": "string",
    "dateOfBirth": "2022-08-12T10:41:46.165Z",
    "gender": "string",
    "grade": 0,
    "grades": {
      "grade": 0,
      "gradeName": "string"
    },
    "studentAddresses": {
      "studentAddressID": 0,
      "studentID": 0,
      "countryID": 0,
      "address": "string",
      "city": "string",
      "state": "string",
      "zipCode": "string",
      "country": "string"
    },
    "departments": {
      "departmentID": 0,
      "departmentCode": "string",
      "departmentName": "string",
      "departmentDescription": "string"
    },
    "courses": {
      "courseID": 0,
      "courseCode": "string",
      "courseName": "string",
      "courseDescription": "string",
      "courseCredit": 0,
      "courseLevel": 0,
      "courseTeacher": "string",
      "courseID": 0,
      "courseCode": "string",
      "courseName": "string",
      "courseDescription": "string",
      "courseCredit": 0,
      "courseLevel": 0,
      "courseTeacher": "string"
    }
  }
```


GET /api/student-addresses/{id}

Parameters Try It out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success	No links

Media type: text/plain

Controls Accept header.

Example Value | Schema


```
{
  "studentAddressID": 0,
  "address": "string",
  "city": "string",
  "state": "string",
  "zipCode": "string",
  "country": "string",
  "students": {
    "studentID": 0,
    "firstName": "string",
    "lastName": "string",
    "dateOfBirth": "2022-08-12T10:41:46.165Z",
    "gender": "string",
    "grade": 0,
    "grades": {
      "grade": 0,
      "gradeName": "string"
    },
    "studentAddresses": {
      "studentAddressID": 0,
      "studentID": 0,
      "countryID": 0,
      "address": "string",
      "city": "string",
      "state": "string",
      "zipCode": "string",
      "country": "string"
    },
    "departments": {
      "departmentID": 0,
      "departmentCode": "string",
      "departmentName": "string",
      "departmentDescription": "string"
    },
    "courses": {
      "courseID": 0,
      "courseCode": "string",
      "courseName": "string",
      "courseDescription": "string",
      "courseCredit": 0,
      "courseLevel": 0,
      "courseTeacher": "string",
      "courseID": 0,
      "courseCode": "string",
      "courseName": "string",
      "courseDescription": "string",
      "courseCredit": 0,
      "courseLevel": 0,
      "courseTeacher": "string"
    }
  }
```


PUT /api/student-addresses/{id}

Parameters Try It out

Name	Description
id * required integer($int32) (path)	id

Request body application/json

Example Value | Schema


```
{
  "studentAddressID": 0,
  "address": "string",
  "city": "string",
  "state": "string",
  "zipCode": "string",
  "country": "string",
  "students": {
    "studentID": 0,
    "firstName": "string",
    "lastName": "string",
    "dateOfBirth": "2022-08-12T10:41:46.165Z",
    "gender": "string",
    "grade": 0,
    "grades": {
      "grade": 0,
      "gradeName": "string"
    },
    "studentAddresses": {
      "studentAddressID": 0,
      "studentID": 0,
      "countryID": 0,
      "address": "string",
      "city": "string",
      "state": "string",
      "zipCode": "string",
      "country": "string"
    },
    "departments": {
      "departmentID": 0,
      "departmentCode": "string",
      "departmentName": "string",
      "departmentDescription": "string"
    },
    "courses": {
      "courseID": 0,
      "courseCode": "string",
      "courseName": "string",
      "courseDescription": "string",
      "courseCredit": 0,
      "courseLevel": 0,
      "courseTeacher": "string",
      "courseID": 0,
      "courseCode": "string",
      "courseName": "string",
      "courseDescription": "string",
      "courseCredit": 0,
      "courseLevel": 0,
      "courseTeacher": "string"
    }
  }
```


Responses

Code	Description	Links
200	Success	No links

DELETE /api/student-addresses/{id}

Parameters Try It out

Name	Description
id * required integer($int32) (path)	id

Responses

Code	Description	Links
200	Success	No links

Schemas

```
Course > {
    courseID*          integer($int32)
    courseCode*        string
    courseName*        integer($int32)
}

Department > {
    departmentID*      integer($int32)
    departmentCode*    string
    departmentName     string
    departmentDescription  nullable: true
}

Grade > {
    gradeID            integer($int32)
    gradeName          string
}

Student > {
    studentID          integer($int32)
    firstName          string
    lastName           string
    dateOfBirth        string($date-time)
    gender             string
    grade              integer($int32)
    grades             Grade > {...}
    studentAddresses   StudentAddress > {...}
    departments        Department > {...}
    courses            Course > {...}
}

StudentAddress > {
    studentAddressID   integer($int32)
    address            string
    city               string
    state              string
    zipCode            string
    country            string
    students           Student > {...}
}
```