General Details:

* Base URL is <http://api.kdl.co.il:7999>

Students:

|  |  |  |
| --- | --- | --- |
| /students | GET | Get all students |
| /students/[ID] | GET | Get specific student |
| /students | POST | Create new student |
| /students/[ID] | PUT | Update existing student |
| /students/[ID] | DELETE | Delete a student |

Examples:

1. **Get all students**

* curl [http://api.kdl.co.il:7999/students](http://10.0.0.21:7999/students)
* Input: None.
* Output: [{"\_id":"57a7a9d2c2f66be440c0999f","fullName":"Student A","phoneNumber":"0501234567","\_\_v":0,"dateCreated":"2016-08-07T21:36:18.112Z"},{"\_id":"57a7a9dac2f66be440c099a0","fullName":"Student B","phoneNumber":"0507654321","\_\_v":0,"dateCreated":"2016-08-07T21:36:26.964Z"}]

1. **Get existing student**

* curl [http://api.kdl.co.il:7999/students/57a5a8b64dc5293835048e34](http://10.0.0.21:7999/students/57a5a8b64dc5293835048e34)
* Input: None
* Output: {"\_id":"57a7a9d2c2f66be440c0999f","fullName":"Student A","phoneNumber":"0501234567","\_\_v":0,"dateCreated":"2016-08-07T21:36:18.112Z"}

1. **Create new student**

* curl -XPOST http://api.kdl.co.il:7999/students -H 'Content-Type: application/json' -d '{ "fullName": "Student 2", "phoneNumber" : "077-550-6586"}'
* Input: { "fullName": "Student 2", "phoneNumber" : "077-550-6586"}
* Output: {"\_\_v":0,"fullName":"Student 1","phoneNumber":"0508528897","\_id":"57ab7893639314430a310e73","dateCreated":"2016-08-10T18:55:15.887Z"}

1. **Delete existing student**

* curl -XDELETE [http://api.kdl.co.il:7999/students/57a7a9dac2f66be440c099a0](http://10.0.0.21:7999/students/57a7a9dac2f66be440c099a0)
* Input: None
* Output: {"\_id":"57a7a9dac2f66be440c099a0","fullName":"Student B","phoneNumber":"0507654321","\_\_v":0,"dateCreated":"2016-08-07T21:36:26.964Z"}

1. **Update existing student**

* curl -X "PUT" [http://api.kdl.co.il:7999/students/57a7a9d2c2f66be440c0999f](http://10.0.0.21:7999/students/57a7a9d2c2f66be440c0999f) -H "Content-Type: application/json" -d '{ "fullName": "Student B","phoneNumber": "0507654321"}'
* Input: { "fullName": "Student B","phoneNumber": "0507654321"}
* Output: {"\_id":"57a7a9d2c2f66be440c0999f","fullName":"Student A","phoneNumber":"0501234567","\_\_v":0,"dateCreated":"2016-08-07T21:36:18.112Z"}

Products:

|  |  |  |
| --- | --- | --- |
| /products | GET | Get all products |
| / products /[productId] | GET | Get existing product |
| / products | POST | Create new product |
| / products /[ProductId] | PUT | Update existing product |
| / products /[ProductId] | DELETE | Delete existing product |

Examples:

1. **Get all products**

* curl [http://api.kdl.co.il:7999/products](http://10.0.0.21:7999/pricelists)
* Input: None.
* Output: [{"\_id":"57ab7f6e45cb0a1826450947","name":"Kfar Yehezkel 2 Times a week","billingPeriod":"monthly","\_\_v":0,"price":100},{"\_id":"57ab7f8545cb0a1826450948","name":"Shadmot","billingPeriod":"monthly","\_\_v":0,"price":150}]

1. **Get existing product**

* curl <http://api.kdl.co.il:7999/products/57ab7f6e45cb0a1826450947>
* Input: None
* Output: {"\_id":"57ab7f6e45cb0a1826450947","name":"Kfar Yehezkel 2 Times a week","billingPeriod":"monthly","\_\_v":0,"price":100}

1. **Create new product**

* curl -XPOST http://api.kdl.co.il:7999/products -H 'Content-Type: application/json' -d '{ "name": "Shadmot", "price" : "150", "billingPeriod" : "monthly"}'
* Input: { "name": "Shadmot", "price" : "150", "billingPeriod" : "monthly"}
* Output: {"\_\_v":0,"name":"Shadmot","billingPeriod":"monthly","\_id":"57ab7f8545cb0a1826450948","price":150}

1. **Update existing product**

* curl -X "PUT" http://api.kdl.co.il:7999/products/57ab7f6e45cb0a1826450947 -H 'Content-Type: application/json' -d '{ "name": "Kfar Yehezkel 2 Times a week", "price" : "150", "billingPeriod" : "monthly"}'
* Input: { "name": "Kfar Yehezkel 2 Times a week", "price" : "150", "billingPeriod" : "monthly"}
* Output: {"\_id":"57ab7f6e45cb0a1826450947","name":"Shadmot 2","billingPeriod":"monthly","\_\_v":0,"price":150}

1. **Delete existing product**

* curl -X "DELETE" [http://api.kdl.co.il:7999/products/57a7abd9c2f66be440c099a2](http://10.0.0.21:7999/pricelists/57a65b99576c4ae73ac1024c)
* Input: None
* Output: {"\_id":"57ab7f6e45cb0a1826450947","name":"Shadmot 2","billingPeriod":"monthly","\_\_v":0,"price":150}

**Classes**:

|  |  |  |
| --- | --- | --- |
| /classes | GET | Get all classes |
| / classes /[ID] | GET | Get specific class |
| / classes | POST | Create new class |
| / classes/[ID] | PUT | Update existing classes |
| /classes/[ID] | DELETE | Delete a class |
| /classes/students/[classId] | POST | Add student to class |
| /classes/students/[classId]/[studentId] | DELETE | Remove student from class |
| /classes/students/products/[classId]/[studentId] | POST | Add product to student in a class |
| /classes/students/products/[classId]/[studentId]/[productId] | DELETE | Remove product to student in a class |

Examples:

1. **Get all classes**

* curl [http://api.kdl.co.il:7999/classes](http://10.0.0.21:7999/classes)
* Input: None.
* Output: [{"\_id":"57aeccd7f49bef838c7ece4b","className":"Just another class 2","\_\_v":4,"students":[],"dateCreated":"2016-08-13T07:31:35.453Z"}]

1. **Get existing class**

* curl <http://api.kdl.co.il:7999/classes/57aeccd7f49bef838c7ece4b>
* Input: None
* Output: {"\_id":"57aeccd7f49bef838c7ece4b","className":"Just another class 2","\_\_v":4,"students":[],"dateCreated":"2016-08-13T07:31:35.453Z"}

1. **Create new empty class**

* curl -XPOST http://api.kdl.co.il:7999/classes/ -H "Content-Type: application/json" -d '{ "className": "Just another class"}'
* Input: { "className": "Just another class"}
* Output: {"\_\_v":0,"className":"Just another class","\_id":"57aeccd7f49bef838c7ece4b","students":[],"dateCreated":"2016-08-13T07:31:35.453Z"}

1. **Update existing class**

* curl -X "PUT" http://api.kdl.co.il:7999/classes/57adeed7e5c227c7714b7743 -d '{ "className": "Just another class 2"}' -H "Content-Type: application/json"
* Input: { "className": "Just another class 2"}'
* Output: {"\_id":"57aeccd7f49bef838c7ece4b","className":"Just another class","\_\_v":0,"students":[],"dateCreated":"2016-08-13T07:31:35.453Z"}

1. **Delete existing class**

* curl -X "DELETE" [http://api.kdl.co.il:7999/classes/57adeed7e5c227c7714b7743](http://10.0.0.21:7999/classes/57a7a072de1ff4873e8b6b2e)
* Input: None
* Output: {"\_id":"57adeed7e5c227c7714b7743","className":"Just another class 2","\_\_v":0,"students":[{"student":"57ab8aeff6cb10292cbbe9da","\_id":"57adeed7e5c227c7714b7744","products":[{"baseProduct":"57ab8aeff6cb10292cbbe9db","price":130,"\_id":"57adeed7e5c227c7714b7745"}]}],"dateCreated":"2016-08-12T15:44:23.295Z"}

1. **Add student to class**

* curl -XPOST http://api.kdl.co.il:7999/classes/students/57aeccd7f49bef838c7ece4b -H "Content-Type: application/json" -d '{"student": "57ab8aeff6cb10292cbbe9da"}'
* Input: {"student": "57ab8aeff6cb10292cbbe9da"}
* Output: {"\_id":"57aeccd7f49bef838c7ece4b","className":"Just another class 2","\_\_v":1,"students":[{"student":"57ab8aeff6cb10292cbbe9da","\_id":"57aecd7bf49bef838c7ece4c","products":[],"dateCreated":"2016-08-13T07:34:19.060Z"}],"dateCreated":"2016-08-13T07:31:35.453Z"}

1. **Remove student from class**

* curl -XDELETE <http://api.kdl.co.il:7999/classes/students/57aeccd7f49bef838c7ece4b/57aecd7bf49bef838c7ece4c>
* Input: No input
* Output: {"\_id":"57aeccd7f49bef838c7ece4b","className":"Just another class 2","\_\_v":4,"students":[],"dateCreated":"2016-08-13T07:31:35.453Z"}

1. **Add product to student in a class**

* curl -XPOST http://api.kdl.co.il:7999/classes/students/products/57aeccd7f49bef838c7ece4b/57aecd7bf49bef838c7ece4c -H "Content-Type: application/json" -d '{"baseProduct": "57ab8aeff6cb10292cbbe9db", "price" : "120"}'
* Input: {"baseProduct": "57ab8aeff6cb10292cbbe9db", "price" : "120"}
* Output: [{"\_id":"57aeccd7f49bef838c7ece4b","className":"Just another class 2","\_\_v":2,"students":[{"student":{"\_id":"57ab8aeff6cb10292cbbe9da","fullName":"Student 2","phoneNumber":"077-550-6586","\_\_v":0,"dateCreated":"2016-08-10T20:13:35.407Z"},"\_id":"57aecd7bf49bef838c7ece4c","products":[{"baseProduct":{"\_id":"57ab8aeff6cb10292cbbe9db","name":"Shadmot","billingPeriod":"monthly","\_\_v":0,"price":150},"price":120,"\_id":"57aece33f49bef838c7ece4d"}],"dateCreated":"2016-08-13T07:34:19.060Z"}],"dateCreated":"2016-08-13T07:31:35.453Z"}]

1. **Remove product to student in a class**

* curl -XDELETE http://api.kdl.co.il:7999/classes/students/57aed1e2f49bef838c7ece4e/57aed1e2f49bef838c7ece4f
* Input: None
* Output: {"\_id":"57aed1e2f49bef838c7ece4e","className":"Class with items already","\_\_v":1,"students":[],"dateCreated":"2016-08-13T07:53:06.878Z"}

Depending on the application logic, you can also specify the all the data at once, see examples below:

1. **Add student with products to class**

* curl -XPOST http://api.kdl.co.il:7999/classes/students/57ae037be505f5f874d77740 -H "Content-Type: application/json" -d '{"student": "57ab8aeff6cb10292cbbe9da", "products": [{"baseProduct" : "57ab8aeff6cb10292cbbe9db", "price" : "125"}]}'

1. **Create new class with students and products**
   * curl -XPOST http://api.kdl.co.il:7999/classes/ -H "Content-Type: application/json" -d '{ "className": "Class with items already", "students" : [{"student": "57ab8aeff6cb10292cbbe9da", "products": [{"baseProduct" : "57ab8aeff6cb10292cbbe9db", "price" : "130"}]}] }'
   * Input: { "className": "Class with items already", "students" : [{"student": "57ab8aeff6cb10292cbbe9da", "products": [{"baseProduct" : "57ab8aeff6cb10292cbbe9db", "price" : "130"}]}] }
   * Output: {"\_\_v":0,"className":"Class with items already","\_id":"57aed1e2f49bef838c7ece4e","students":[{"student":"57ab8aeff6cb10292cbbe9da","\_id":"57aed1e2f49bef838c7ece4f","products":[{"baseProduct":"57ab8aeff6cb10292cbbe9db","price":130,"\_id":"57aed1e2f49bef838c7ece50"}],"dateCreated":"2016-08-13T07:53:06.879Z"}],"dateCreated":"2016-08-13T07:53:06.878Z"}