Customer Restful API

General

Customer Db contains personal trainer's customers and their trainings (One-to-many link between customer and training. Training belongs to one customer).

Customer contains following attributes:

- id (long)
- firstname (String)
- lastname (String)
- streetaddress (String)
- postcode (String)
- city (String)
- email (String)
- phone (String)

Training contains following attributes:

- id (long)
- date (Date)
- duration in minutes (int)
- activity (String)
- Customer (customer.id)

Get API content by calling the root address

https://traineeapp.azurewebsites.net/api

```
// 20230129180611
// https://traineeapp.azurewebsites.net/api

{
  "links": [
    {
      "rel": "customers",
      "href": "http://traineeapp.azurewebsites.net/api/customers"
    },
    {
      "rel": "trainings",
      "href": "http://traineeapp.azurewebsites.net/api/trainings"
    },
    {
      "rel": "profile",
      "href": "http://traineeapp.azurewebsites.net/api/profile"
    }
  ]
}
```

List of customers

You can fetch all customers by calling **/customers** endpoint using the **GET** method.


```
"content": [
  {
    "firstname": "John",
    "lastname": "Johnson",
    "streetaddress": "5th Street",
    "postcode": "23110",
    "city": "Flintsone",
    "email": "john@mail.com",
    "phone": "232-2345540",
    "content": [

    ],
    "links": [
      {
        "rel": "self",
        "href": "http://traineeapp.azurewebsites.net/api/customers/51"
      },
      {
        "rel": "customer",
        "href": "http://traineeapp.azurewebsites.net/api/customers/51"
      },
      {
        "rel": "trainings",
        "href": "http://traineeapp.azurewebsites.net/api/customers/51/trainings"
      }
    ]
  },
```


Get customer by Id

You can fetch one customer by calling **/customers/{id}** endpoint with customer's Id and using the **GET** method.

Get customer's trainings

You can fetch customer's trainings by calling **/customers/{id}/trainings** endpoint using the **GET** method. This link is also provided in customer JSON object (See the previous image _links.trainings).

Delete customer

You can delete customer by calling **/customers/{id}** endpoint using the **DELETE** method. Note! Customer deletion deletes also all trainings from the customer.

Add a new customer

You can add new customer by calling **/customers** endpoint using the **POST** method and giving a new customer inside the request body as a JSON string

Header: `'Content-Type': 'application/json'`

Body:

```
{
  firstname: "John"
  lastname: "Smith"
  email: "j.s@smith.com"
  phone: "343-2332345"
  streetaddress: "Yellow Street 23"
  postcode: "344342"
  city: "Yellowstone"
}
```

Update existing customer

You can update customer by calling **/customers/{id}** endpoint using the **PUT** method and giving a updated customer inside the request body as a JSON string

Header: `'Content-Type': 'application/json'`

Body:

```
{
  firstname: "John"
  lastname: "Smith"
  email: "j.s@smith.com"
  phone: "342-2332345"
  streetaddress: "Yellow Street 23"
  postcode: "144342"
  city: "Yellowstone"
}
```

Add training and link it to customer

You can add new training by calling **/trainings** endpoint using the **POST** method and giving a new training with customer reference link inside the request body as a JSON string.

Header: `'Content-Type': 'application/json'`

Body:

```
{
  date: "2018-1-1",
  activity: "Spinning",
  duration: "50",
  customer: "https://localhost:8080/api/customers/2"
}
```

NOTE! To save also time of the training (for example 27.11.19 09:00) the format must be ISO-8601 (You can use for example moment's `toISOString()` function)

```
2019-11-27T09:00:00.000+0000
```

Delete training

You can delete training by calling **/trainings/{id}** endpoint using the **DELETE** method

Get trainings (with customer info)

Note! You can use this in training list page to show also customer.

You can get all trainings with customer info by calling **https://traineeapp.azurewebsites.net/gettrainings** endpoint using the **GET** method.

Date is the number of milliseconds passed since January 1, 1970, 00:00:00 GMT and you can user moment's `format()` function to show it in some other date format.