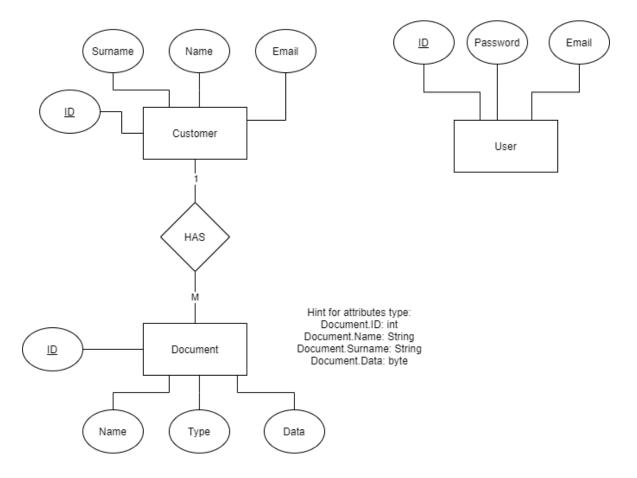
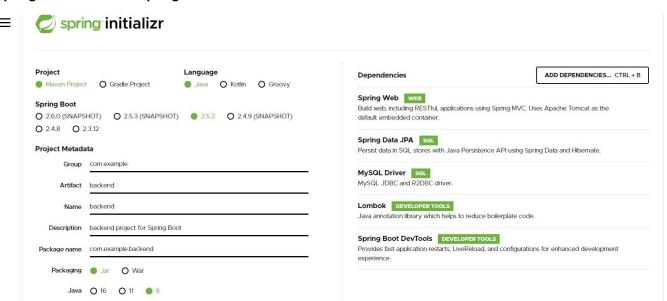


Hint for attributes type: User.ID: int User.Password: String User.Email: String



## Spring initializer - start.spring.io



### Some settings: under resources: application.properties

```
BackendApplication.java × in application.properties × © Customer.java × © DocumentRepository.java × © CustomerS

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.datasource.username=root
spring.datasource.password=
spring.datasource.url=jdbc:mysql://localhost:3306/exampledb

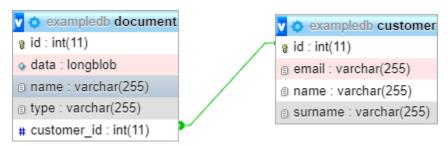
spring.jpa.show-sql=true
spring.jpa.hibernate.ddl-auto= update
spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL5InnoDBDialect

logging.level.org.hibernate.SQL=DEBUG
logging.level.org.hibernate.type=TRACE

spring.servlet.multipart.file-size-threshold=2KB
spring.servlet.multipart.max-file-size=200MB
spring.servlet.multipart.max-request-size=200MB
spring.servlet.multipart.max-request-size=200MB
server.port=8070
```

### Created the database

User table is not created because of time limitation. Backend part is completed with customer and document tables.



### Add more than one customer:

POST POST/api/addCustomers

post new customers

http://localhost:8070/api/addCustomers

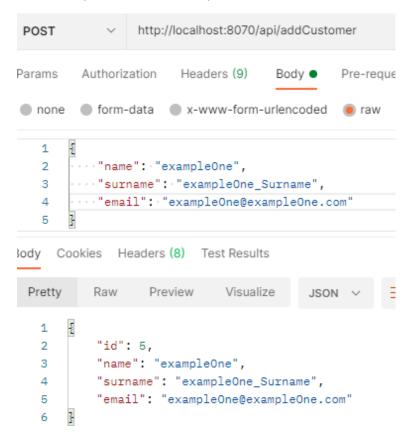
```
POST
                http://localhost:8070/api/addCustomers
Params
       Authorization Headers (9)
                                    Body •
                                           Pre-request :
none form-data x-www-form-urlencoded raw
   1 [
   2
       - - - - - - - - - - - - - - -
   3 "..."name": "example",
       ...."surname": "example_Surname",
   4
       ...."email": "example@example.com"
   5
   6
       ....},
   7
       ...."name": "avakodo",
   8
   9
       ...."surname": "avakodoSurname",
       ...."email": "avakodo@avakodo.com"
  10
       ....},
  11
  12
       . . . . . . . . . . . . . . .
       ····"name": "rakun",
  13
       ····"surname": "Şakacı",
  14
       ····"email": "rakun@rakun.com"
  15
       ....},
  16
        . . . {
  17
       ····"name": "future",
  18
       ····"surname": "future_Surname",
  19
       ···· "email": "future@future.com"
  20
       - - - - }
  21
  22
```

# Add customer:

POST POST/api/addCustomer

post a new customer

http://localhost:8070/api/addCustomer



### Get all customers:

## GET GET/api/customers

### get all customers

## http://localhost:8070/api/customers

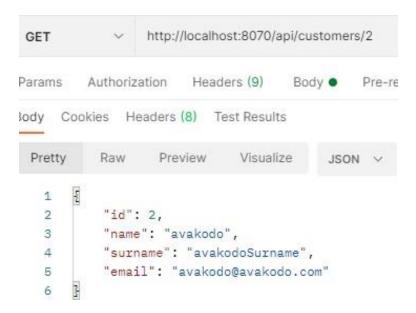
```
GET
                  http://localhost:8070/api/customers
                        Headers (9)
Params
          Authorization
                                       Body •
                                                Pre-reques
3ody Cookies Headers (8) Test Results
  Pretty
           Raw
                    Preview
                               Visualize
                                            JSON
       1
   2
   3
                "id": 1,
                "name": "example",
   4
                "surname": "example_Surname",
   5
                "email": "example@example.com"
   6
   7
   8
                "id": 2,
   9
                "name": "avakodo",
  10
                "surname": "avakodoSurname",
  11
                "email": "avakodo@avakodo.com"
  12
  13
            ₹,
  14
                "id": 3,
  15
                "name": "rakun",
  16
                "surname": "Şakacı",
  17
                "email": "rakun@rakun.com"
  18
  19
            },
  20
                "id": 4,
  21
                "name": "future",
  22
                "surname": "future_Surname",
  23
                "email": "future@future.com"
  24
  25
            ₹,
            £
  26
  27
                "id": 5,
                "name": "exampleOne",
  28
                "surname": "exampleOne_Surname",
  29
                "email": "exampleOne@exampleOne.com"
  30
  31
  32
```

## Get one customer by id:

GET GET/api/customer/{id}

get a customer

http://localhost:8070/api/addCustomer/{id}



## + Options

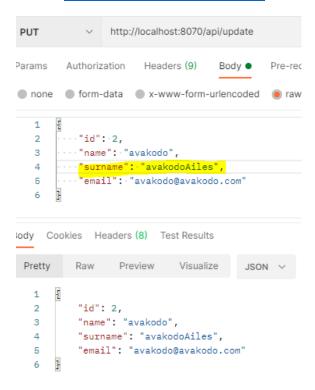


## Update the customer

## PUT PUT/api/update

## update a customer

## http://localhost:8070/api/update



### + Options

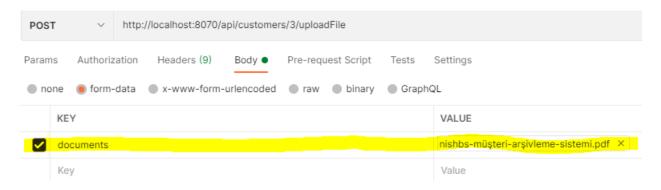


## Upload a file for the customer with the id number 3:

POST POST/api/customers/{id}/uploadFile

upload a new file for a customer

http://localhost:8070/api/customers/{id}/uploadFile



## After uploading random files, the DB is:



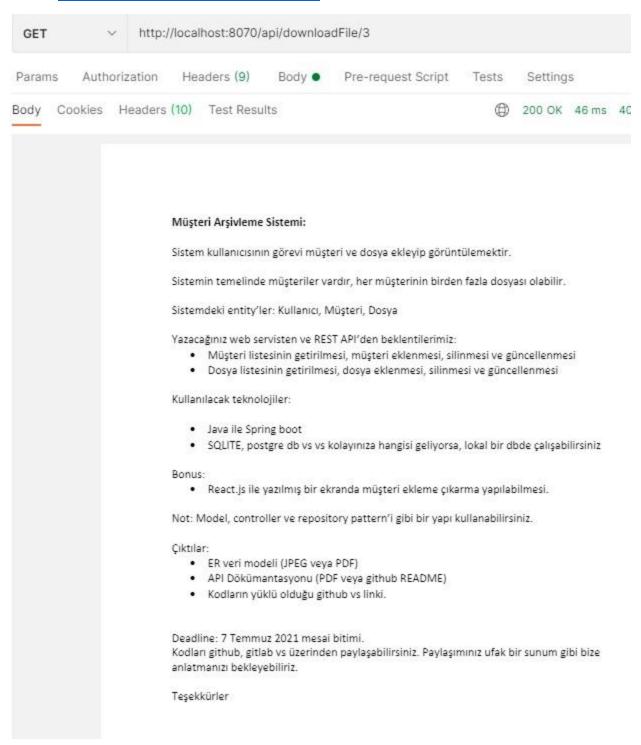
This means, the customers with id number 1, 2 and 3 have some files.

### Download one file by id:

### GET GET/api/downloadFile/{id}

#### download a file

http://localhost:8070/api/downloadFile/{id}

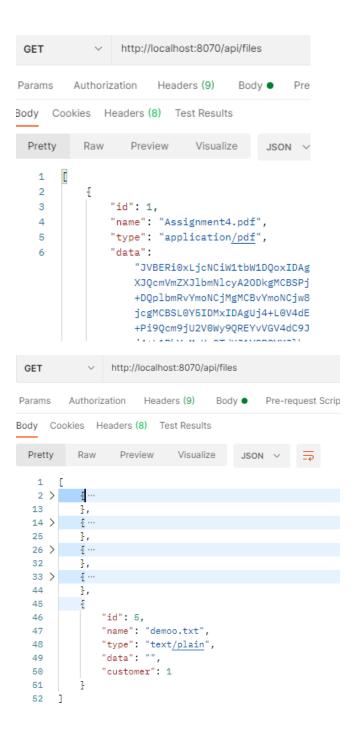


## Get all files:

GET GET/api/files

get all files

http://localhost:8070/api/files

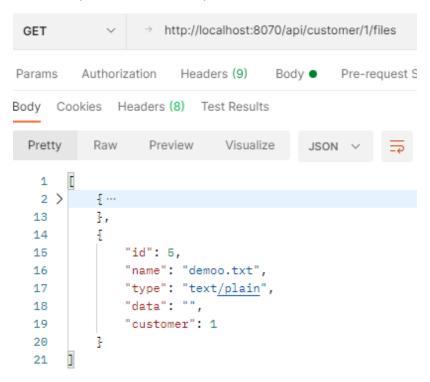


## **GET all files of one customer:**

GET GET/api/customer/{id}/files

get a customer's all files

http://localhost:8070/api/customer/{id}/files

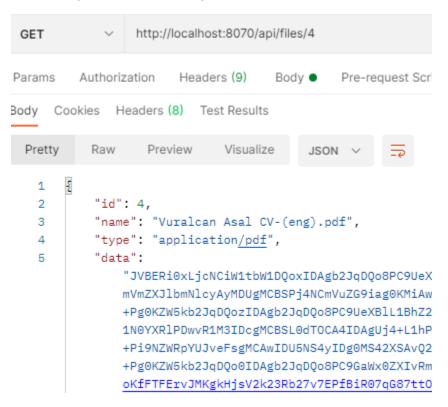


### **GET one file:**

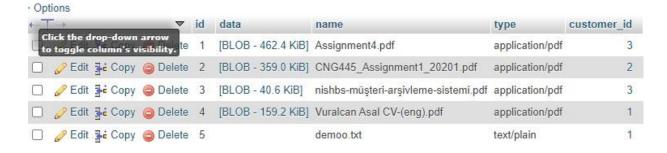
GET GET/api/files/{id}

get a file

http://localhost:8070/api/files/{id}



#### **Before Updating**



## Update the file:

PUT PUT/api/file/update/

update a file

http://localhost:8070/api/file/update

```
PUT
                 http://localhost:8070/api/file/update
Params
         Authorization
                     Headers (9)
                                               Pre-request S
                                     Body •
none form-data x-www-form-urlencoded
   1
   2
        ····"id": 5,
   3
           "name": "UpdateDemo.txt",
   4
        ··· "type": "text/plain",
        ····"data": ·"",
   5
   6
       ····"customer": {
   7
       ····"id": 1,
        ····"name": "example",
   8
   9
        ····"surname": "example_Surname",
        ····"email": "example@example.com"
  10
  11
       - - - - }
  12
     Cookies Headers (8) Test Results
 Pretty
           Raw
                   Preview
                              Visualize
   1
           "id": 5,
   2
           "name": "UpdateDemo.txt",
   3
           "type": "text/plain",
   4
           "data": "",
   5
           "customer": {
   6
               "id": 1,
   7
               "name": "example",
   8
   9
               "surname": "example_Surname",
               "email": "example@example.com"
  10
  11
  12
```

# After Updating:

# + Options

$\leftarrow$ $\top$	<b>→</b>	~	id	data	name	type	customer_id
	Ø Edit ₃ Copy	Delete	1	[BLOB - 462.4 KiB]	Assignment4.pdf	application/pdf	3
	Ø Edit ≩€ Copy	Delete	2	[BLOB - 359.0 KiB]	CNG445_Assignment1_20201.pdf	application/pdf	2
	Ø Edit 3€ Copy	Delete	3	[BLOB - 40.6 KiB]	nishbs-müşteri-arşivleme-sistemi.pdf	application/pdf	3
	Ø Edit 3€ Copy	Delete	4	[BLOB - 159.2 KiB]	Vuralcan Asal CV-(eng).pdf	application/pdf	1
	Ø Edit 3€ Copy	Delete	5		UpdateDemo.txt	text/plain	1

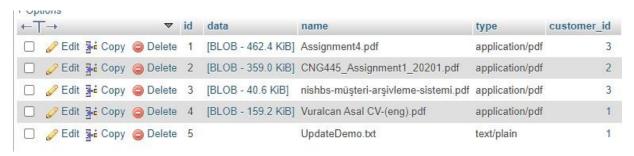
# **Before Deleting**

### Customer:

## + Options



## Document:



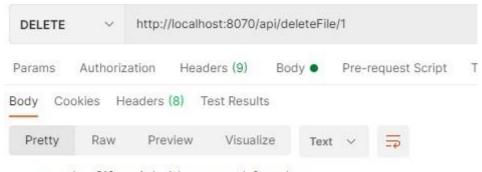
## **DELETING PARTS:**

#### Delete the file:

DELETE DELETE/api/deleteFile/{id}

destroy a file

http://localhost:8070/api/deleteFile/{id}



1 The file with id: 1 was deleted!!

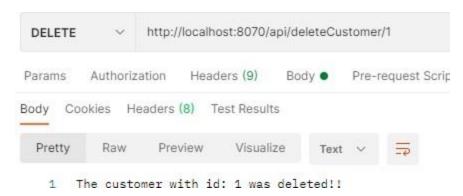


### Delete the customer:

DELETE DELETE/api/deleteCustomer/{id}

destroy a customer

http://localhost:8070/api/deleteCustomer/{id}



At the same time, the customer files were deleted.

### Customer:



### Document:



### **React Part: Frontend**

Note: The part is not completed. The app has one view which shows the customer datafrom the backend part.

