Flask programmer documentation

This is web application that has an assistant database.

This application is written in python.

MVT(Model View Template) software design pattern was used in this application.

This app has this requirements:

There are some requirements in program hierarchy:

- Each assistant must have an attached picture, this picture can be uploaded by a user or the user can choose the generated one. (from e.g https://thispersondoesnotexist.com)
- create and update forms must provide select box which contains available jobs, this jobs should be returned by Your application and taken from http://api.dataatwork.org/v1/jobs , consider using caching
- Each picture should be stored in thumbnail format
- Each request must be properly validated
- Project must have prepared test data in database seeds
- Any form of testing is welcome
- The extendable and readable code will be counted as a plus
- Aesthetically pleasing and well made designs will be counted as a plus
- Documentation will be counted as a plus
- Adding additional functionality is encouraged

This application has crud endpoints:

- GET /assistants – displaying source,
- GET /assistants/create – displaying create form,
- POST /assistants – storing source,
- GET /assistants/update – displaying update form,
- PUT /assistants/{id} – updates source,
- DELETE /assistants/{id} – deletes source

I will test them in postman and describe them.

Get/assistants- this endpoint just display all assistants from database.

Here is ss from web browser:

Assistant Id	Job Id	First name	Last name	Email address	Picture	Action
1	4th Grade Teacher	Iza	Piechowiak	iza@gmail.com		Delete Update
2	4th Grade Teacher	Janusz	Kowalski	janusz@gmail.com		Delete Update
3	4th Grade Teacher	Jacek	Kaczmarek	kaczmarek.jacek10@gmail.com		Delete Update

Get/assistants/create- this endpoitn just shows page where you can enter new assistant data and then save them.

Ss form postman:

Ss form web browser:

Assistant Registration Forumlar

First name:

insert first name

Last name:

insert last name

Email:

insert email_address

Job name:

Pick your job name   ⇕

Upload picture:

Not choosing any file will casue file to generate automaticly

Choose picture   Browse

Save

Here all data fields are required, so if u don't insert all needed data then you won't be able to save them and add to database.

First name and Last name are text fields.

Email is email field so u need type there email@gmail.com or another correct email.

You can choose job from jobs list. Jobs are from json file.

Last option, you can upload your own photo or photo will be automatically generated from website: https://randomuser.me/api

Post/assistants- this happends when you press save button and all data are correct.

Then new assistant is added to database.

SS from postman:

Result in browser:

Assistant Id	Job Id	First name	Last name	Email address	Picture	Action
1	4th Grade Teacher	Iza	Piechowiak	iza@gmail.com		Delete Update
2	4th Grade Teacher	jacek	Kowalskaaa	janusz@gmail.com		Delete Update
3	3D Animator	Jacek	Kaczmarek	kaczmarek.jacek10@gmail.com		Delete Update
4	2 Year Olds Preschool Teacher	Jacek	Kaczmarek	kaczmarek.jacek10@gmail.com		Delete Update
5	21 Dealer	Jacek	Kaczmarek	kaczmarek.jacek10@gmail.com		Delete Update
6	3rd Grade Teacher	Bartek	Kaczmarek	bartek@gmail.com		Delete Update

Get/assistants/update

This endpoint just shows update form of selected assistant. It is same as create assistant but current data are already inserted and you can update them if you want.

PUT /assistants/{id} – this do all updating work and changes database data.
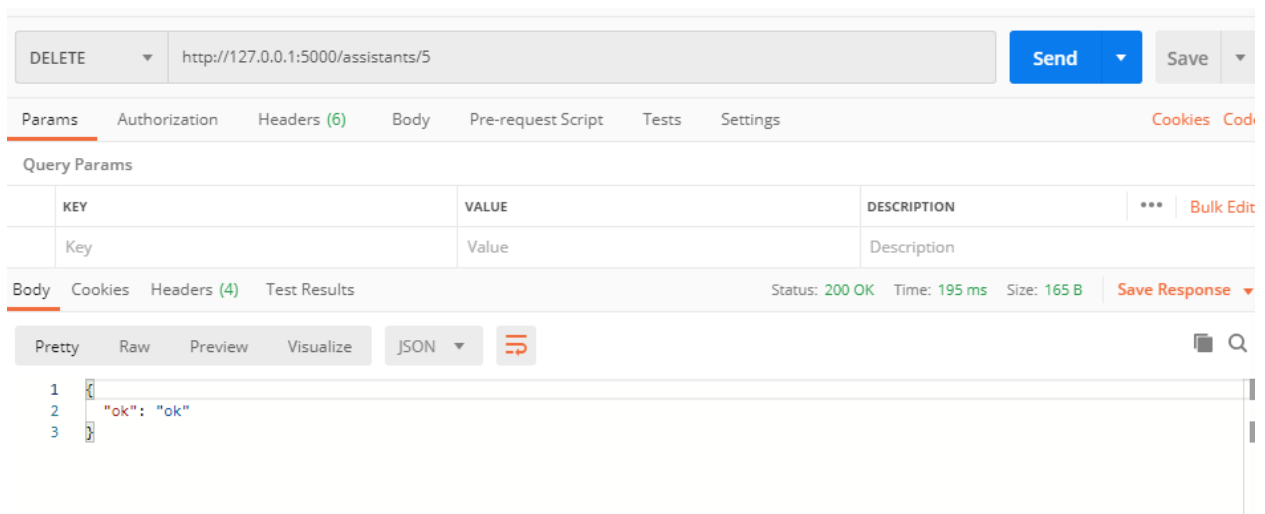
SS from postman:
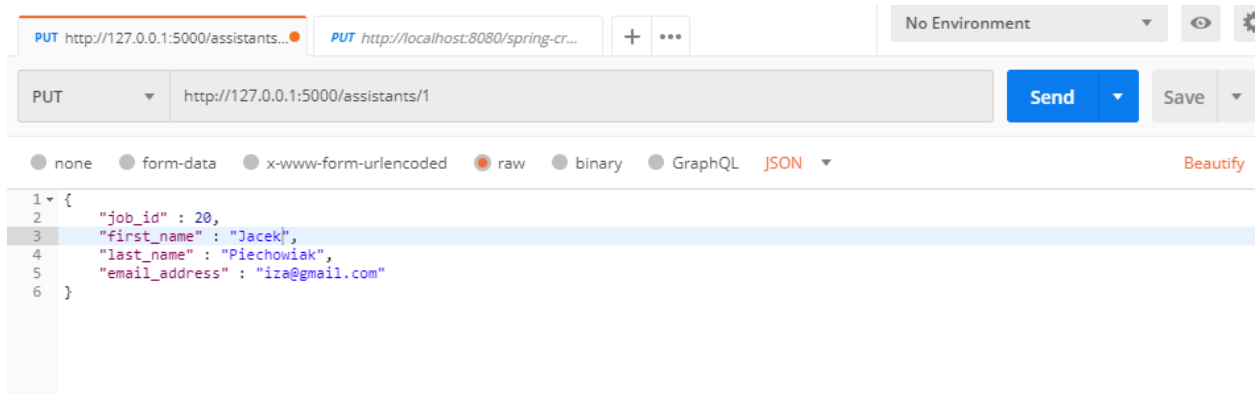
Result in web browser:

Assistant Id	Job Id	First name	Last name	Email address	Picture	Action
1	4th Grade Teacher	Jacek	Piechowiak	iza@gmail.com		Delete Update

DELETE /assistants/{id}- this endpoint removes one assistant data from database.

You can remove assistant by clicking red button 'Delete'.

SS from postman:

Ss form web broweser:

Assistant Id	Job Id	First name	Last name	Email address	Picture	Action
1	4th Grade Teacher	Iza	Kaczmarek	iza@gmail.com		Delete Update
2	4th Grade Teacher	Janusz	Kowalski	janusz@gmail.com		Delete Update
3	4th Grade Teacher	Jacek	Kaczmarek	kaczmarek.jacek10@gmail.com		Delete Update
4	3D Artist	Jacek	Kaczmarek	kaczmarek.jacek10@gmail.com		Delete Update

As you can see there is no assistant with id number equal to 5 beacuse it was just deleted. But rememeber to insert correct id number. If the assistant you want to delete does not exists, then program won't remove anything from database.