Exercise 2 –MAX 5p PUT / PATCH, DELETE,

1. PUT / PATCH + JSON. (3p)

Implement the following API interfaces using Flask. Use Postman for testing. You can continue the previous exercise or create a new project for this exercise.

First you need to create to global variables app – flask application allstudents – list of all students. Usually this is saved to database but we will come to databases later on.

a. Create the route /students/<snumber>

Method: PUT

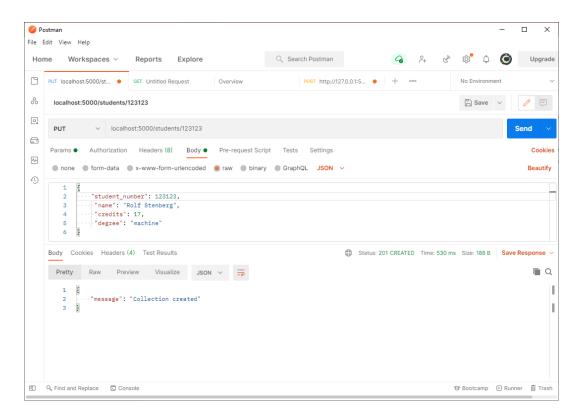
Data: data to be changed / saved in json format

Response:

• If student exists the response should include the json {"message": "Student replaced"}), 200)

 If the student did not exist in the list, the student will be added and the following result is returned

```
({"message": "Collection created"}), 201)
```



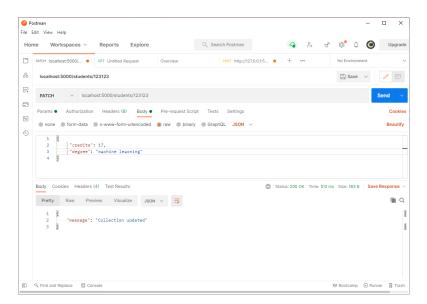
b. Similarly implement API interface /students/<snumber> for PATCH method. The difference between PUT and PATCH is that in PATCH you only replace those fields which has been given in the json data

Metodi: PATCH Response:

• If student exists the response should include the json {"message": "Student updated"}), 200)

If the student did not exist in the list, the student will be added and the following result is returned

({"message": "New student created"}), 201)



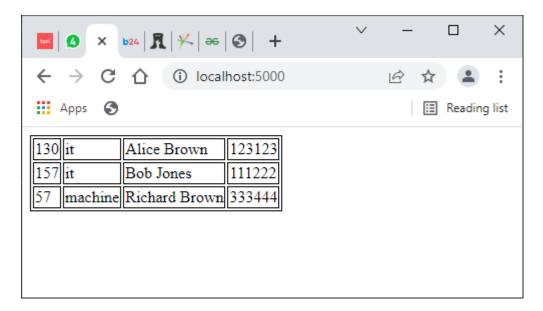
c. Implement the route /students/<snumber> Method: DELETE

Deletes the student from the list

- 2. AXIOS, HTML / JAVASCRIPT, (Max 2p)
 - a. Continue the previous flask implementation. Create the default route which returns index.html file.

```
@app.route('/')
def getHomePage():
    return render template("index.html")
```

You should show all the students in the students in html page. You can do axios call from index.html file to backend and then show the results using vanilla JavaScript.



b. Similarly implement the route which renders addStudentsForm.html page

```
3. @app.route('/add')
    def showForm():
        return render_template("addStudentForm.html")
```

Send the form to backend route /students using axios. Method should be post. You can copy and paste the post method to backend implementation from the previous exercise.

When you receive the response you should empty the form and show the alert window with the text "Student added".

