

Module 15 Homework

Getting started

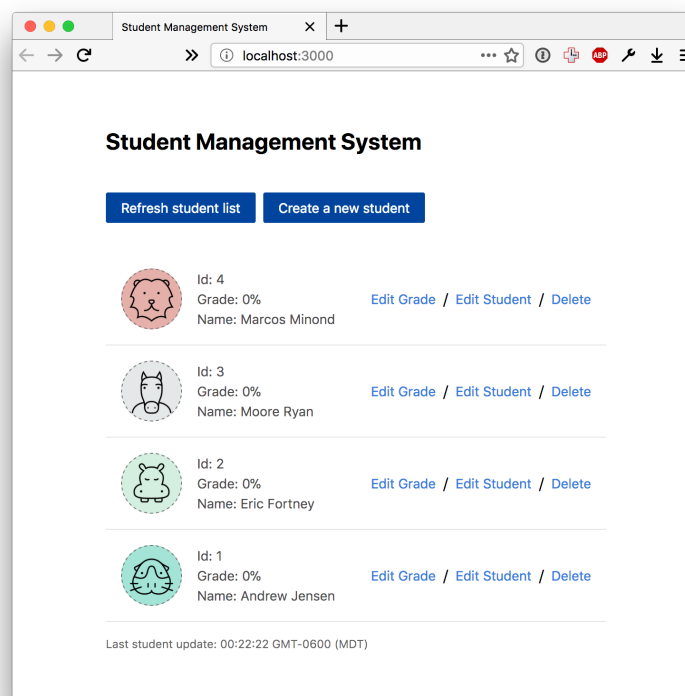
The code for this week's homework assignment is located in the class' main Git repository in GitHub, <https://github.com/UtahRETC/JavaProgrammer1Class>. So to get the code, you can either clone the code by running `git clone`

`https://github.com/UtahRETC/JavaProgrammer1Class.git` or downloading it by going to <https://github.com/UtahRETC/JavaProgrammer1Class/archive/master.zip> and extracting the content.

After getting the code, move the contents of `projects/server` into your own repository. Once that's done you can build and run with server with the following commands (make sure you run these inside of the `server` folder):

```
gradle build
gradle run
```

After running these commands successfully, go to <http://localhost:3000/> in your web browser and you should see something like this:



Homework assignment

Add students more students to the School

1. You can find the hardcoded students in the `generateSchool` method in the `Main.java` file.

Add the update grade endpoint

1. First step will be to add a private `grade` property to the `Student` class along with getters and setters and updates to the constructor.
2. In the request handler, lookup the student that needs to be updated.
3. Set the grade method on the student using the setter method.
4. Convert the student object that was just updated into JSON and return it.

Add the delete student endpoint

1. First step will be to add a `removeStudentById` method in the `School` class.
2. Add a new request handler in the `main` method.
3. Follow the example of the `post("/api/students", (request, response))` method.
4. Remove the student from the school using the `removeStudentById` method created in step 1.
5. Convert the student object that was just removed from the school into JSON and return it.