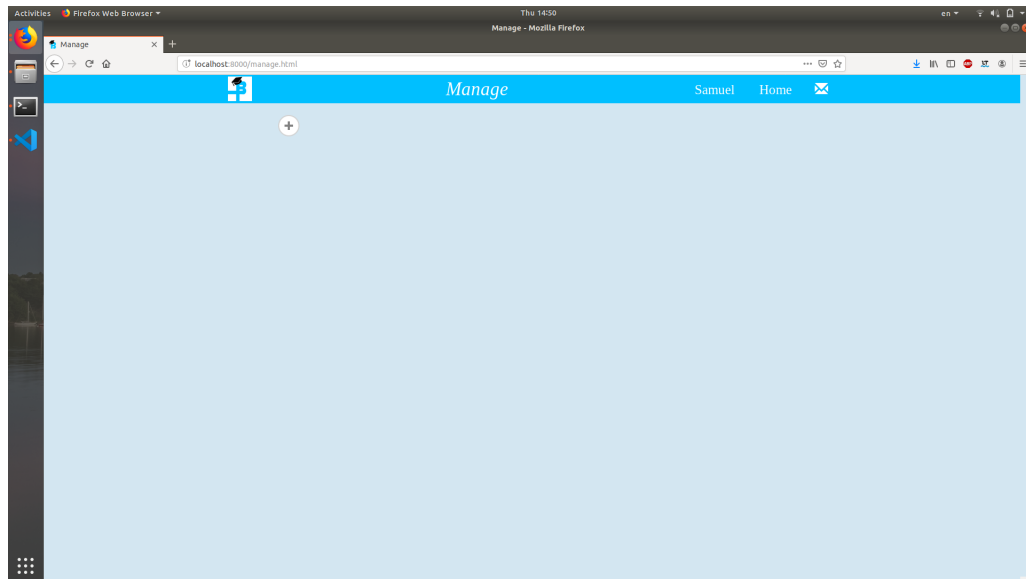# Badkan Guide

Badkan

September 2019

Notice: All the privileges and picture stipulate here are for the instructors. That is, if you're not instructor, it's normal that you don't get any of the features spoken in this document. To become instructor, click on the button link displayed on the instructor page and send us an email.
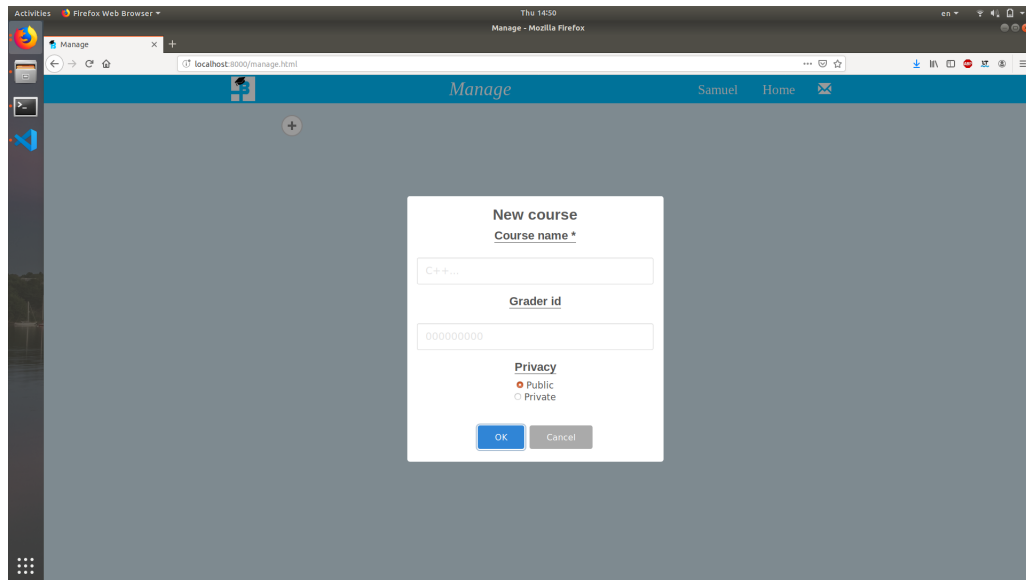
1 Create courses and exercises

Only instructor can create courses and exercises. First, you need to create a course.

In the page manage.html (that you can access from the button "manage course" only once you will get the instructor status) from the home page, click on the button "+" on the left to create a new course like in the next screenshot.
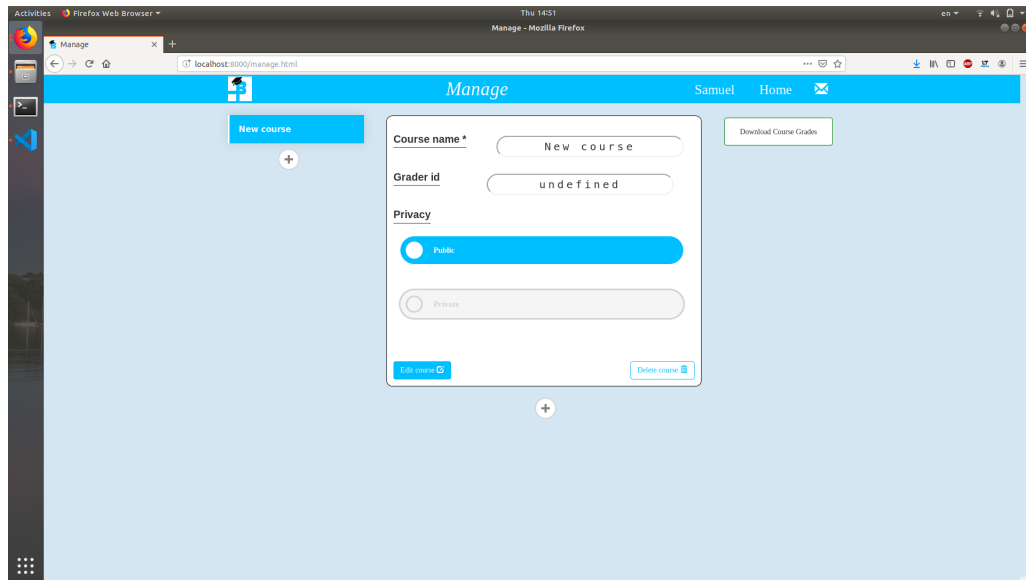
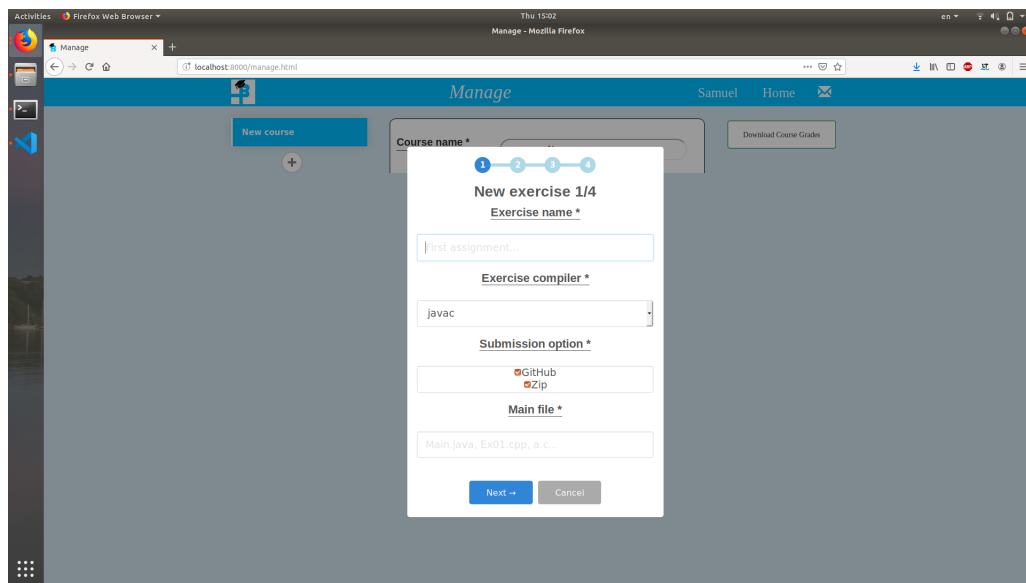

Then, you have to fill some fields.

- Course name: required field, this is the name of the course.

- Grader id: if you want to give to someone the status of grader input here his country id. The status of grader is explained in the "User" section of this document.

- Privacy: button radio, Choose if you want the course to be private or public. By being public, every user can register to the course and submit his solution. If the course is private, only a list of student of your choice can access to the course..

- Student ids: required field if you want the course to be private, this is the list of the country id of the students you want to give an access to the course. Please, enter each id next to each other separate with a space.

Once your course is created, you are now able to create an exercise. Please, click on the button "+" on the bottom of the created course, like in the next screenshot.
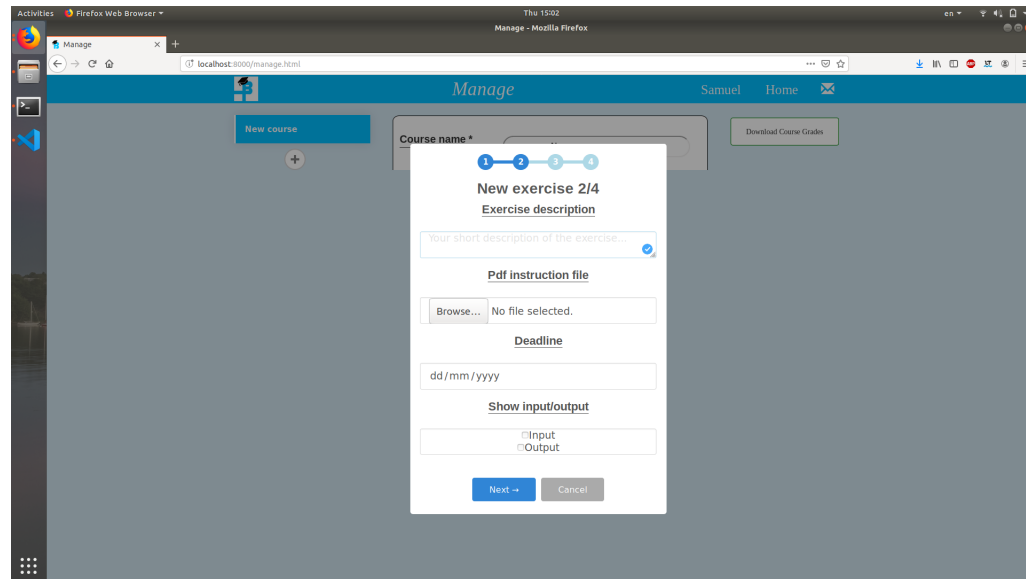
The platform will ask you the type of exercise you want to create, please, choose "Normal Exercise" since the peer exercise is currently not available.
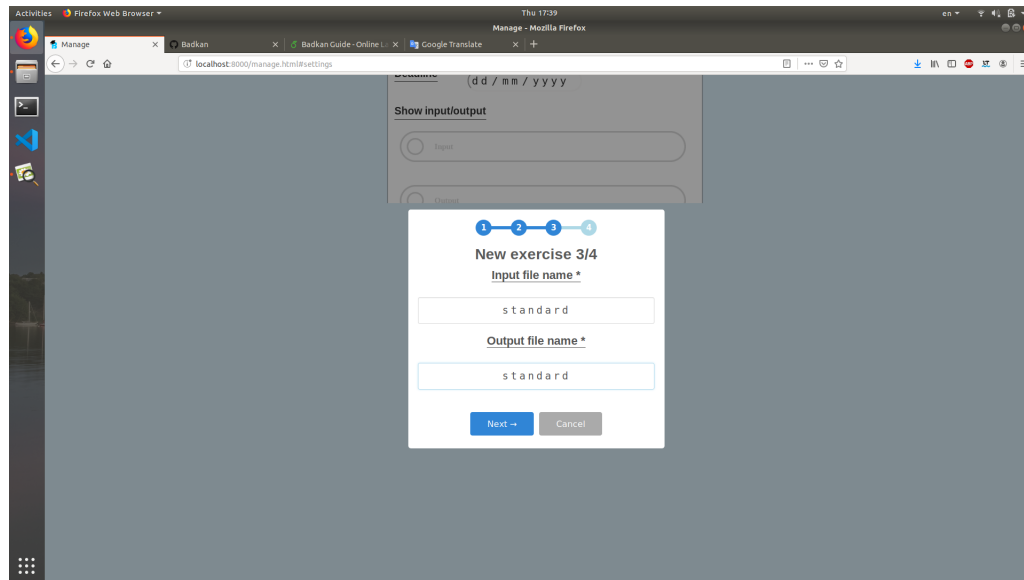Then, you will have to answer to few questions separate into four steps.

- Exercise name: required field, this is the name of the exercise.

- Exercise compiler: required field, choose the right compiler.

- Submission option: required field, all checked field will become an option for the students to submit their solution. Either by a zip file, or by a

GitHub repository. To submit via GitHub, the student just have to copy the link of his repository in our platform.
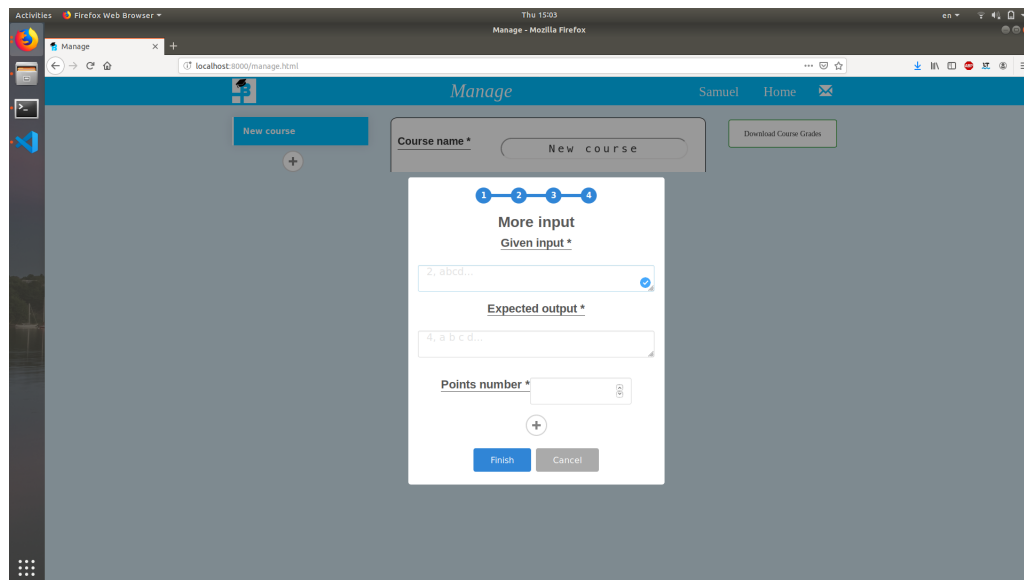
- Main file: required field, the filename of the file that contains the main function of the program. Every student will have to name this filename the same way.

- Exercise description: you can add a little description to your exercise.

- Pdf instruction file: you are able to upload a pdf that every registered student will be able to download.

- Deadline: Choose a deadline for the exercise. There is no possibility for the student to submit after the deadline.

- Show input/output: If you want the student to be notify by his input and his output when submitting. Each option checked will be displayed on the feedback of the submission of each student.

- Input file name: by default, the input is standard (e.g: cin in c++), but you can choose to put it into a file with the name of your choice (e.g: input.txt).

- Output file name: by default, the output is standard (e.g: cout in c++), but you can choose to put it into a file with the name of your choice (e.g: input.txt).

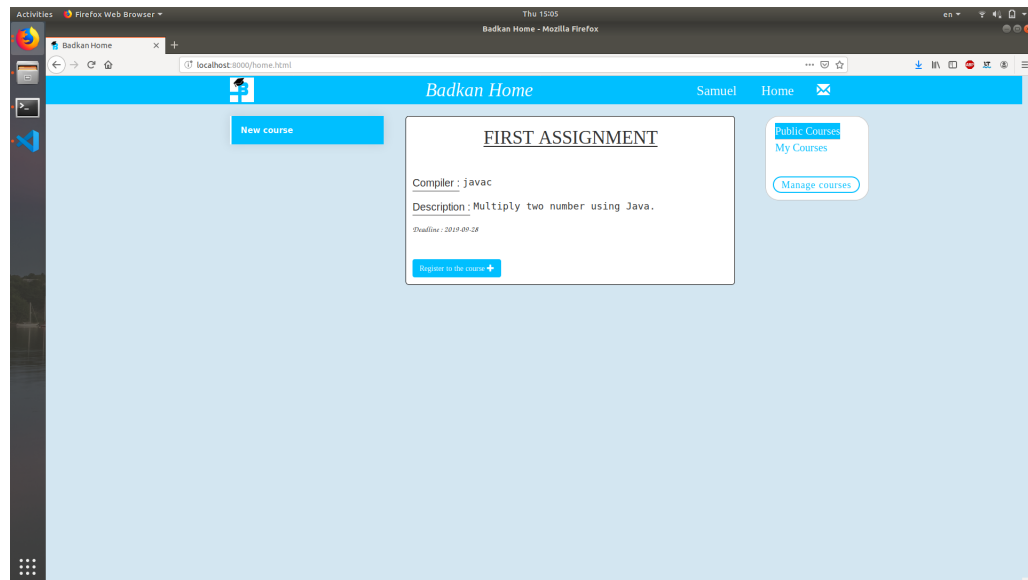- Given input: required field, enter the given input of your choice.

- Expected output: required field, enter the given input of your choice.

- Points number: required field, enter the number of points the student will receive if his output for the given input is equal to the expected output.

- button "+": if you want to enter another input/output, click here.

When you finished to fill all the field, click on finish and your exercise is now created. Every registered students can submit his solution.

Notice that even after created, exercises and courses can be easily edited from the manage course page.

2 Submit solution

If a student country id has been enter in the "Student ids" field when creating the course, the student is automatically registered to the course. In the other case, the student will have to register to the course in order to submit his solution, like show in the next screenshot.

Once the student registered, he is able to get all the information needed to solve the exercise. He has access to the compiler name, the description (if exists), the pdf (if exists), the deadline (if exists), the filename where the function main resides, the read of th input and output.

Once his solution ready to be submit, and by clicking on the button "solve", the student is redirected to the page of the next screenshot.
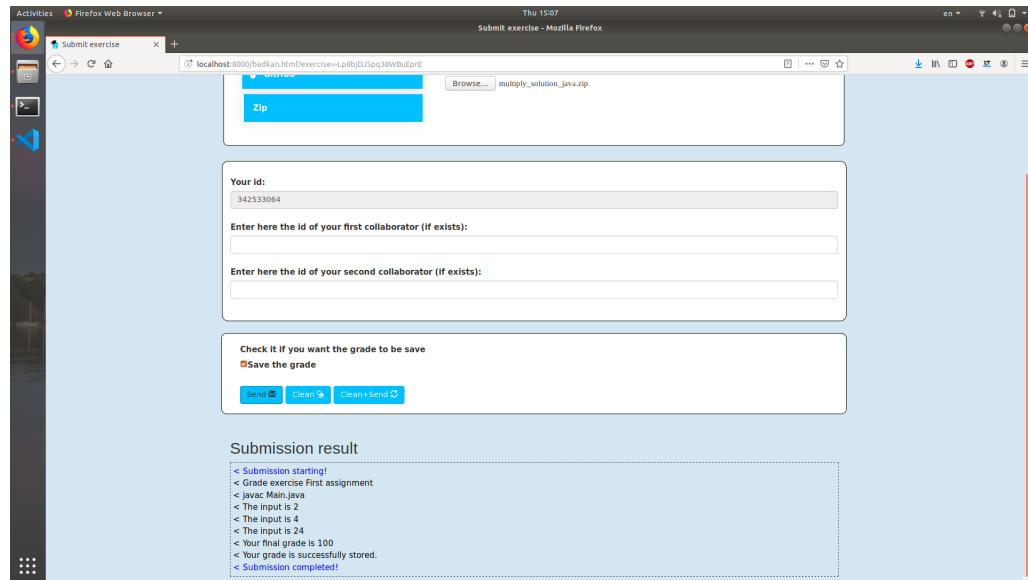
Here, the student can submit his solution either by zip file or by GitHub link. If the submission chosen is GitHub, the student will have to work with a GitHub repository (a public one: currently, private repositories are not handle by the platform) and submit the link of his repository containing his solution. The student is able to choose until two collaborators by entering their country ids.
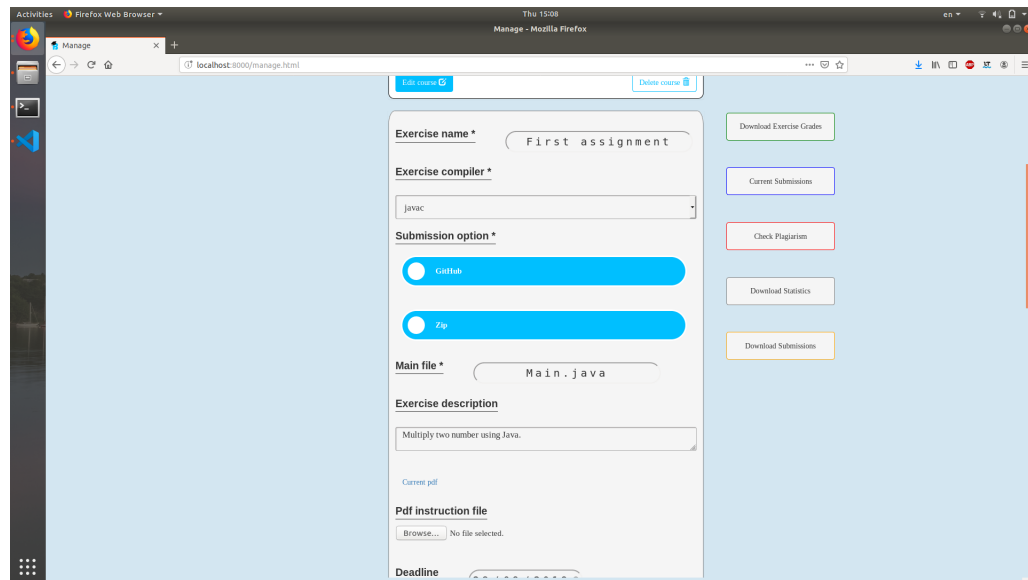
If the student want to submit for free, he just has to click on the send button without checking the "save grade" checkbox. If he rather wants to save his grade, the student has to check the checkbox.

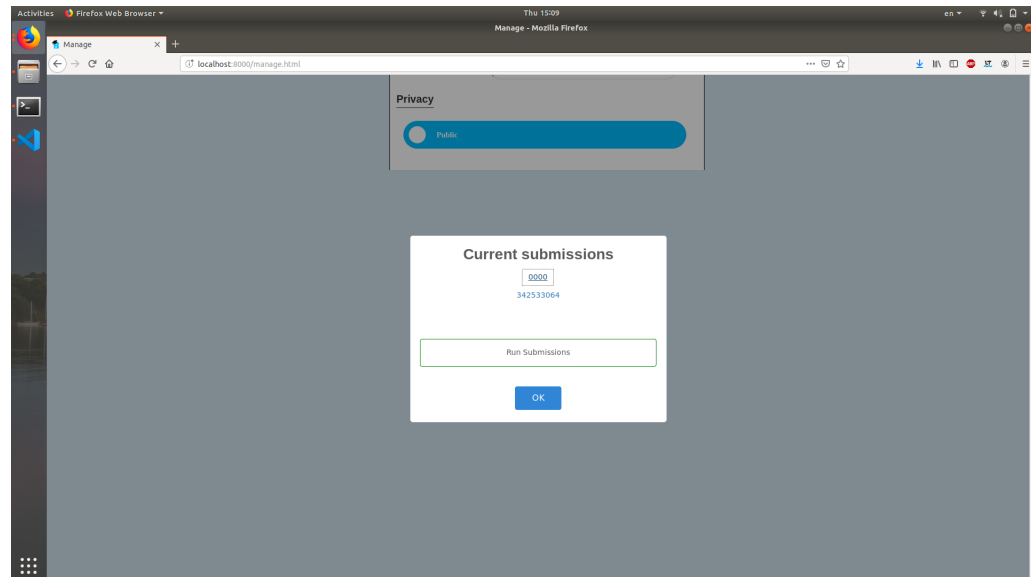Then, the platform immediately display the feedback to the student.

3 Instructor privilege

Once at least one student has submit his solution, the instructor has the next privileges.
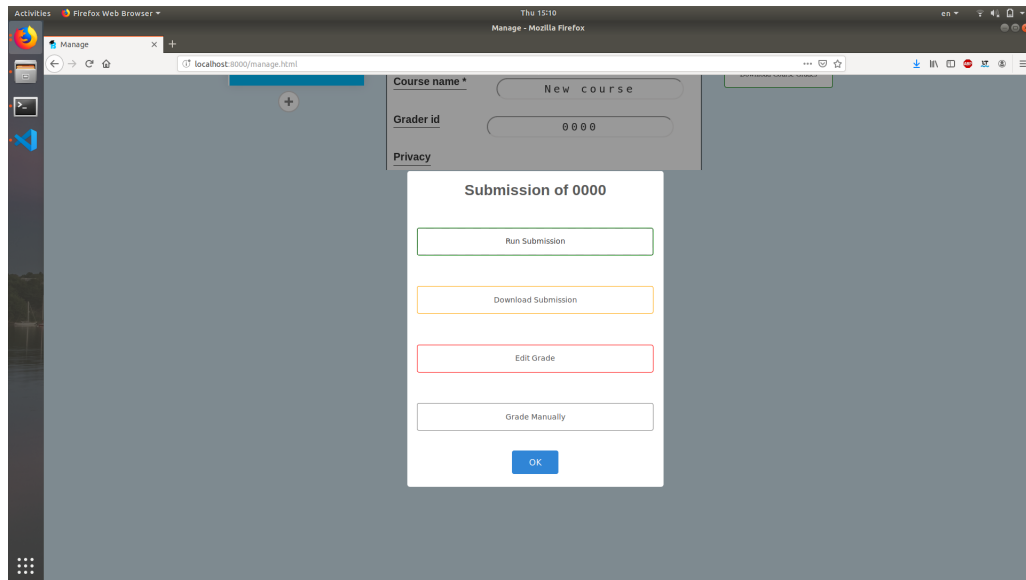

- Download course grades: this button will download the grades of all the exercises of the course.

- Download exercise grades: this button will download the grades of all the given exercise.

- Current submissions: this button will open an alert with the list of all the current submission. You will be able to click on a specific submission to access some other features.

- Check plagiarism: this button will redirect you to another html page that will inform you if some projects seem to be similar.

- Download statistics: this button will download a csv file with all the outputs of the submissions of the given exercise.

- Download submissions: this button will download all the current submissions for the given exercise.

The button "current submissions" lead you to a list of submissions and a button "Run submissions" that will run one by one all the current submissions, and display to the instructor screen the feedback for each submission.
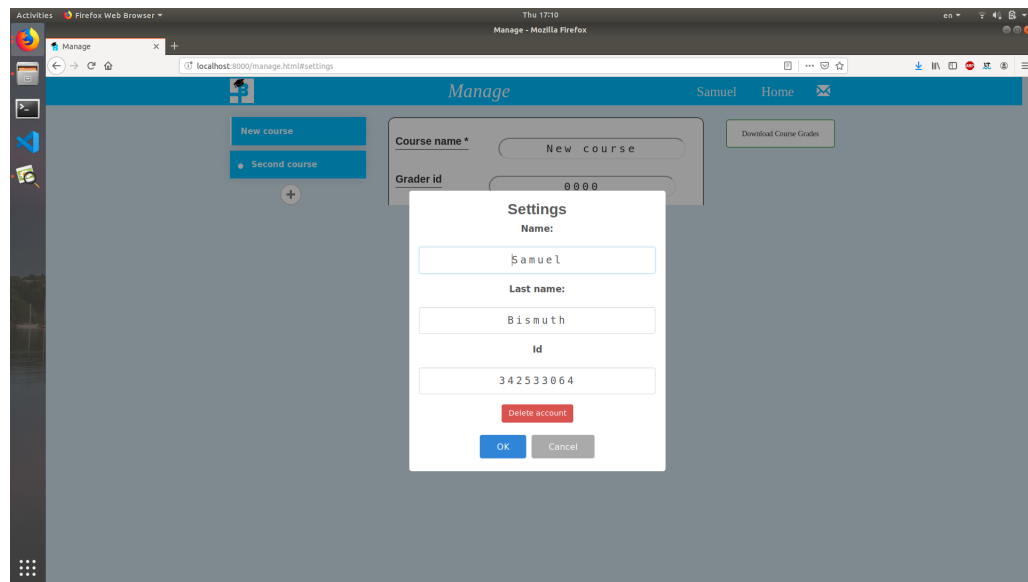
The instructor is able to get focus into one unique submission by clicking on the country id of the submitter.
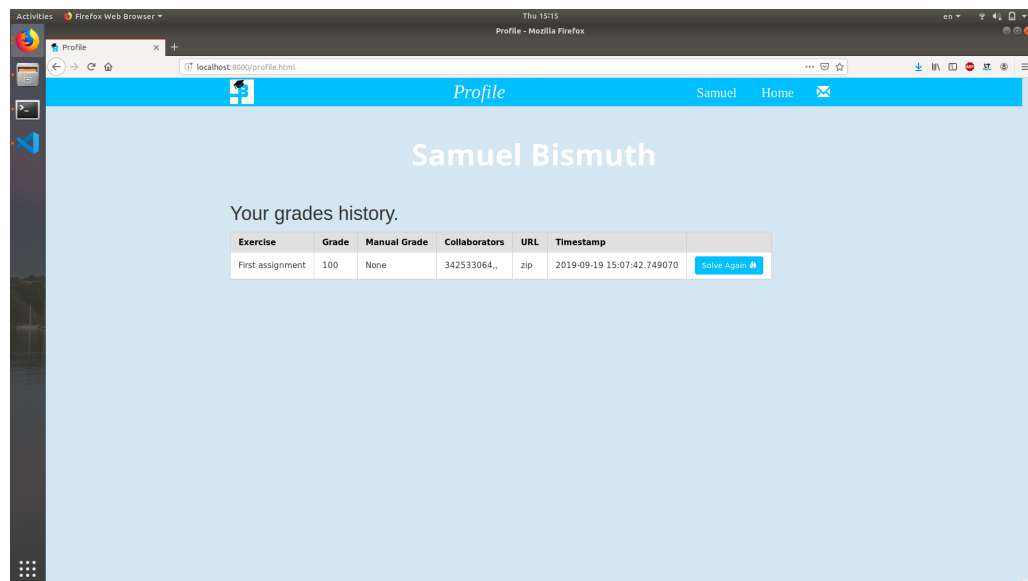
- Run submission: this button will run the submission of the student and the feedback will be displayed on the instructor screen (the grade of the student will remain the same).

- Download submission: this button will download the submission of the student.

- Edit grade: from here you can edit the grade of the student.

- Grade manually: if the instructor want to add a manual grade.

4   User

At any moment, each user can edit his profile by clicking on the setting (from the header, click on the ¡user name¿ and then "Settings".
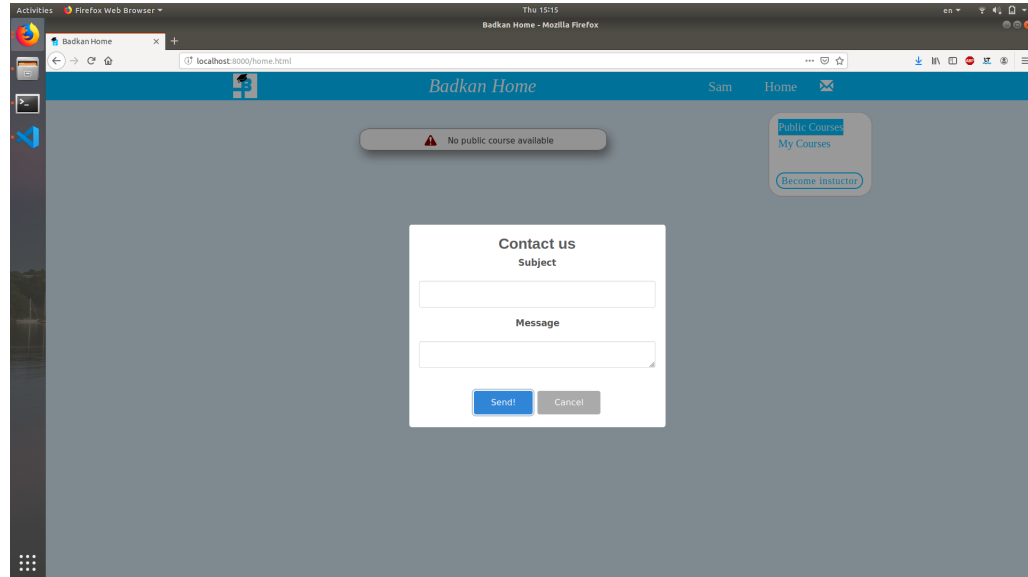
Each user has a profile. For a normal user, only his grade history will be displayed.

For a grader user (the grader user is choose by the instructor of the course) adding to his grade history, and for the course he is "grader", the user will have access to the button: Download exercise grades, Current submissions, Check plagiarism, Download statistics, Download submissions. See the section Instructor privilege for further details.

At any moment, the user is able to contact us by clicking on the envelope

icon in the header.

If there is any bug or any feedback, please use this to inform us.

If you want to become instructor, to get all the privilege, use the contact us button from the "become instructor page".