

Portefolio School Web Application

Overall

This application needs to support CRUD operations for students, teachers and classes. It needs to have a multi role login since there are 3 roles, each one with their own unique interface/UI.

Admins will manage teachers, students and classes. Teachers will be able to register an account, create new classes, add summaries to the classes their assigned, create and submit assignments for the classes and also create and submit evaluations, after the class is finished. Students will submit class assignments, mark their presence on classes, view submitted evaluations and submit absence justifications.

Scenarios

Admin

Roberto is the admin in a school and today he has a busy day with a lot of work to do. Roberto needs to check if there are any teacher registration that needs to be accepted. Then he needs to create 2 new classes and assign some students and professors to this new classes the school is implementing in their curriculum. At last, he needs to delete 1 class that had some students assigned but will shut down due to low interest by students and professors.

The admin logs in. The application recognises his role and renders to him the admin UI. Roberto goes to the “New users” options and sees that a new teacher has made a new registration. After analysing the request he decides that the registration form is all good and accepts the new user.

Then, since he needs to create 2 new classes he goes to the dashboard and click on the option “Create new class”. After the app render the form he puts the information needed to create a new class and submit the form, if all the conditions to submit the form is verified/correct the form is submitted and a new class is created. To create a

new class the admin needs to assign at least one teacher to the new class and a minimum of 8 students.

At last, Roberto will delete a class. To delete a class he needs to go to the classes list, choose the class he intends to delete and click on the “Remove class” button.

Professor

Carla teaches in the same school where Roberto is an admin. She’s at home and needs to perform some tasks she forgot to do while in school. Carla was assigned to the newly class the admin of the app created and needs to add a summary to the class she gave today, check the attendance of the students and submit the evaluations of the work she submitted at the class.

Carla use her credentials to access the app. The application recognises her credentials and identifies that she is a teacher, so the app render the teacher UI. After she logged in the first thing she wanted to do was to submit the summary to the class, so she clicked on the “Class Summary” options and selected the class she wanted to add a summary.

After adding the summary Carla went to the “My classes” menu option and choose the class she needed to add the evaluations, she uploaded a file from her device and then clicked “Upload evaluations”, a success alert was given to her and was redirected to class page.

When she was done the app redirected her to the class page and there she checked the students who attended the class that day.

Student

Tiago was in class and remembered he needed to add an absence justification since he was absence on Tuesday due to Covid-19, he also wanted to see his evaluation on a class work he did on Monday with Ms.Carla and submit his presence and a work he just finished.

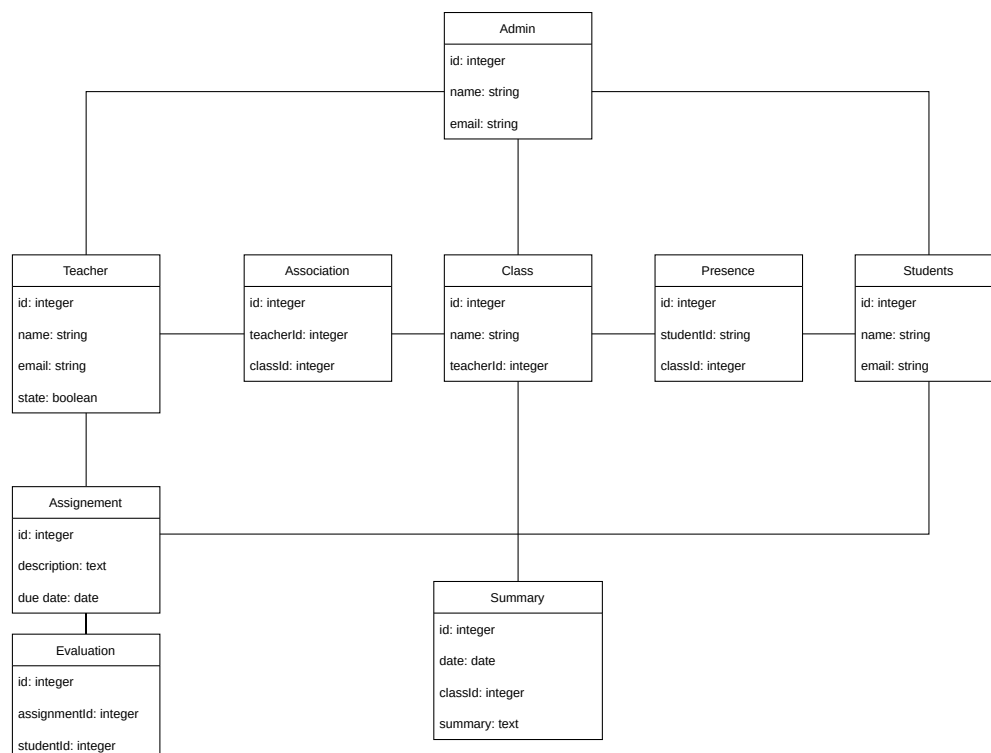
Tiago used his institutional email to login on the app, then the application recognised him as a student and rendered the student UI. An alert appeared and alerted him that he was absent in a class and needed to add an absence justification. The

student clicked on the alert and was redirected to the absence justification form. After he completed the form he submitted and a success alert popped.

He went back to the homepage and clicked on the “My classes” menu option, one of the classes had a red dot on it meaning that a new evaluation was submitted, he selected the class and chose the option “Work evaluation”, after seeing his grade he left the class page and was back at the “My classes” page.

On the “My classes” he then selected the class he was having at that moment and submitted his work and his presence.

Class Diagram



User Stories

Admin

As an Admin

I want to accept new teachers registrations

So that they can teach classes

Acceptance criteria

- ☐ Check if the user is logged in, if not an alert will pop up saying that the user needs to login to perform that action.
- ☐ If the user session expired a message will be shown noticing that the session has expired and he can't perform that action.
- ☐ Go to the new users list, if its and empty list the app will show a message saying there are no new user registrations to be accepted.
- ☐ Validate the user application form.
- ☐ If the all the acceptance conditions are met, the user application can be accepted.

Professor

As a Teacher

I want to submit a class work

So that students can be tested

Acceptance criteria

- ☐ Check if the user is logged in, if not an alert will pop up saying that the user needs to login to perform that action.
- ☐ If the user session expired a message will be shown noticing that the session has expired and he can't perform that action.
- ☐ Go to the submit class work page.
- ☐ Fill the form.
- ☐ Validate the user application form.
- ☐ If the all the acceptance conditions are met, the user application can be submitted.

Student

As a Student

I want to deliver my class work

So that i can be evaluated

Acceptance criteria

- ☐ Check if the user is logged in, if not an alert will pop up saying that the user needs to login to perform that action.
- ☐ If the user session expired a message will be shown noticing that the session has expired and he can't perform that action.
- ☐ Access "My classes" page and choose a class.
- ☐ If there are no evaluations available the app will show a message saying that the work class hasn't been evaluated yet.
- ☐ Validate the user application form.
- ☐ If the all the previous conditions are met, the user can submit the class work.

Application Structure

