PYTHAGOR

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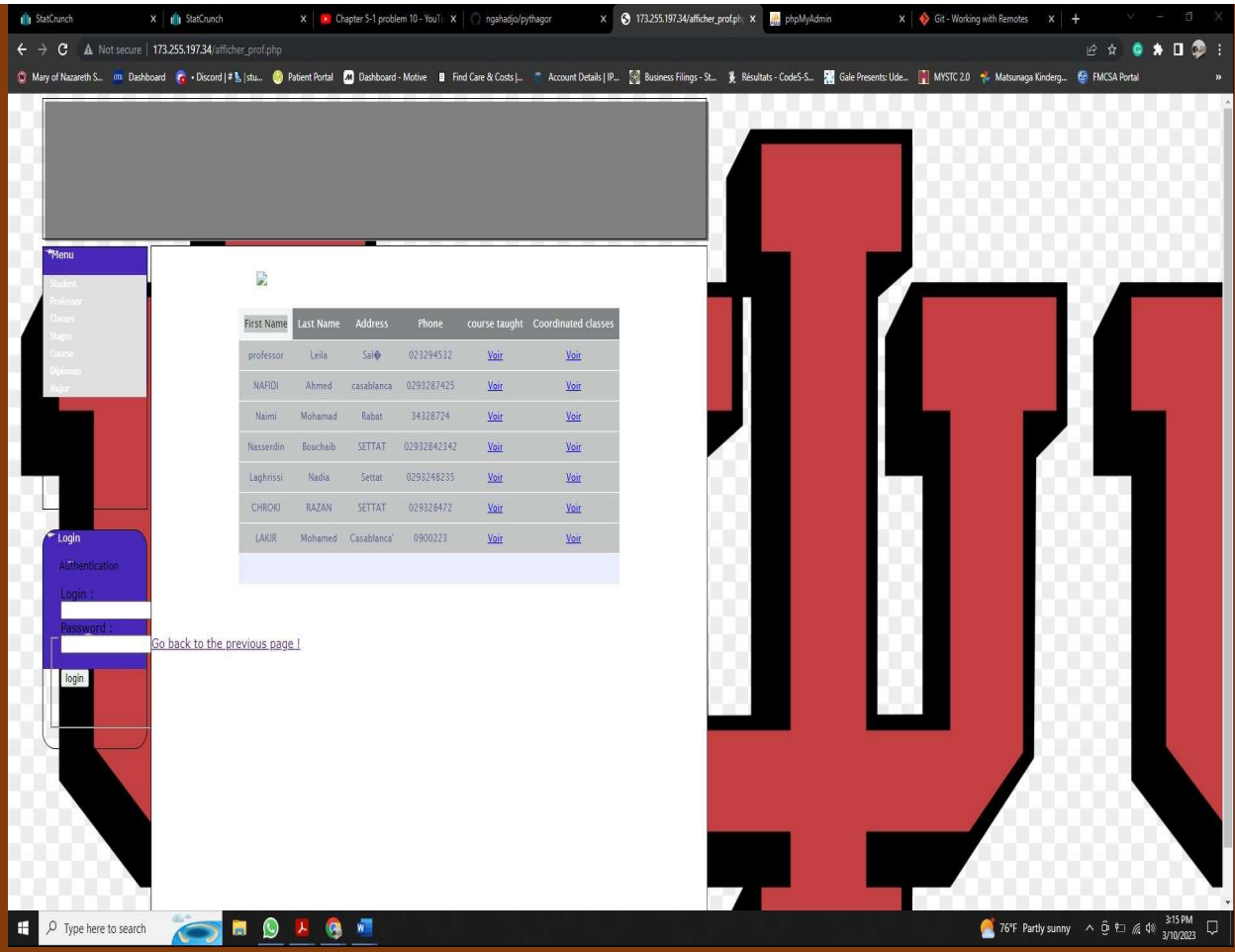
Introduction

The marriage of information technology and telecommunications in training has made it possible to abolish distances, have skills beyond national ones, and facilitate access to knowledge. Currently and in the context of globalization, there is an emergence of the world training market with the appearance of many international companies which, through new information and communication technologies, have embarked on the development of on-demand training. Indeed, distance learning also makes it possible to optimize human resources and contributes to the university's openness to its national and international environment. Pythagor could be a long solution.

What is Pythagor

Pythagor is a simple School Web App with three principal accounts. The admin account can manage, change, and delete an account; The professor account for managing classes and students, and the student account can take the assignment and manage the course. We Have some functionality like Search.



Administrator

- Register one or more students in the system.
- View their information and update or modify it.
- Update their level at the end of the year.
- Add or modify timetables (semester, control, exam, and remedial).
- Add one/several modules with their level, credit, and coefficient.
- Add one/several grades (control, exam, practical work, reset) of a module according to its level and the academic year.
- Modify the grade of any module according to its level in the academic year.
- Add all types of lesson formats (image, a text document, PDF…) and have the possibility to modify them. Based on the interactions discussed above, the sequence diagram could be:

Professor

- The Professor asks to edit grades.
- The system displays the page to access student grades.
- The Professor accesses the notes. And do the actions of changes.
- The Professor requests to store the changes.
- The Professor asks the system to add or delete notes.
- The system displays the page.
- The Professor completes the form.
- the Professor requests to store the information.
- The system is recording.

Student

- The student asks to consult the Courses and personal work sent by teachers.
- The student creates the corresponding work documents.
- The system displays the page.
- The student sends the documents.
- The system is recording.

Admin Account Functionality

1. Student
2. Grade
3. Professor
4. Diploma
5. Classe
6. Evaluation
7. course
8. Major

Professor Account Functionality

1. Student
2. course
3. professor
4. grade
5. classe
6. internship
7. advisor
8. assignment

Students Account Functionality

1. Student
2. course
3. Professor
4. Diploma
5. Classe
6. Major
7. intership
8. logout

Links

Web App: http://173.255.197.34/index.php

Admin account : **User: admin** **Password: admin**

Professor account: **User Professor** **Password: abc123**

Student account: **User student** **Password: abc123**

Database: http://173.255.197.34/phpmyadmin/

User: oracle **Password: abc123**

Repository: https://github.com/ngahadjo/pythagor

Public

Conclusion

The approach presented in this project has the advantage of integrating the concept of online classes and especially the distance education system. This approach aims to complete the UML and subsequently automate the generation of multi-target code. The work presented in the project is part of a larger project, so there is still work to be done: the definition of the concept of the multi-view component, the development of a base of patterns supporting the point-based approach of view, the addition of another diagram of the dynamic modeling of UML