**End of study report  
3rd Year**

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**Application web qui organise les exercices , cours , devoirs , examens, stage**



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Dedication

We dedicate this modest work and our deep appreciation:  
Our parent for education that they spend on us without regard to themselves and to their daily sacrifices and for the sense of duty they have taught us since our childhood

And to all our families and all the people we love and we hope that this report will satisfy all the people who will have the opportunity to read it.

Appreciation

In the term of this work, we’re addressing our thankfulness and our sincere appreciation to our supervisor Mr.Bouhdidi Jaber who allow us to benefit from his knowledge in this matter and for his pedagogy and his precious help throughout the writing of this project during these difficult times.

We end those thanks by warmly greeting the members of the jury for the honor they do to us by accepting to judge our project.

Finally, for all those who contributed closely or from far to help accomplish this work we can’t find the correct expression to show our gratitude and appreciation and our consideration.

Abstract

*The objective of this project is to set up a web application for managing school daily with all of it educational staff and students. Every year of school life there has to be certain tasks needs to be carried either individual tasks or group tasks, for example there are school directive staff that want to share certain information with student or teachers or supervise student from courses or exams that where our web application comes which will facilities their mission especially during this pandemic and essentially to save time and make education accessible during this day and age.*

*The modeling of the functionalities and solutions provided is provided by the UML language. Regarding the technical part, all three applications will be developed by PHP and handle a MySQL relational database.*

Summarize

The present document represents the syntheses of studies of my final project to obtain my Diploma in my 3st year of computer science at “Ecole de Nouvelle science Inginierie”.

With this project we aimed to design an application manages classes and class assignment and exams in universities it’s a tool for distance studies.   
instead of writing the names of student on paper and transfer them to other teacher we can basically organize them as table in database so are the teacher, as for administration and their staff their table will be secret.  
with our management we will allow professors to organize exams and study sessions also giving home work with expectation of them to receive the feedback from student with limited time set by the professors by it class assignments or exams.

as for the exam it will be supervised by our application which with it, we can prevent students from cheating and also will have a limited passing time if the student doesn’t respect the timing of the exam the submission of answer get closed automatically.   
without forgetting that each time we created an assignment for the student or exams each student receive notification on their email.   
In order to developpe our project first thing we did is to follow the documentation in the specification note which allow us to draw a map 5 different steps using the help UML Architecture.

*of course, to realize our project we used php language with framework Laravel also we used framework react js for the frontend, in the same time we used MySQL relational Database.*

*The rest of the report represent the different steps we did in order to realize our project.*

Glossary

* **CSS** : Cascading Style Sheets
* **HTML** : Hypertext Markup Language
* **LARAVEL** : open-source PHP web framework
* **REACT** **JS** : open-source JavaScript library
* **UML** : Unified Modeling Language
* **SQL** : Structured Query Language

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General Introduction

Does it matter what type of school it’s, every day there’s new courses to accomplish. And to organize everything from courses exams to training are not always easy especially there’s different branches and different teachers and different groups, well there’s no panic, in this case there exist number of solutions and methods to organize those things and to priorities depending on the importance using pedagogical methods.  
in this case it’s evident to manage every course daily and every exam on it’s time for each branch and group and to check on it every week especially courses as for exams all they need to be corrected and assigned to the correct branch and group.

In this case the context of our project is to realize an application that manage school and all tasks that comes with it such as organizing courses with efficiency and as simple as possible for the use the same comes for exams and events and activities. And this application adapts to every person in school year be it the teachers the student or the administration. The application allows you to create a branch in this branch it has the groups or you can create one and then you can add students in the group as part of the branch and assign courses with homework and without forgetting you can create our own exams be it Quiz or open.

This report is organized into 3 Chapters. The first chapter is a presentation of the general context of the project and a provisional planning of the project. The second chapter will analyze and design the application. As for the third chapter, it will be devoted to the implementation of the application by specifying the screenshots and their operations.

Chapter 1:

General Context of the project

The first chapter describe the general context of the project. It put on clear path the principal needs and objectives that will be reached using the unorthodox methods which you will see in details respecting the tasks respecting the organized tasks.

* 1. Introduction

In the first chapter we will present to you the steps of the difficulties of the application and then we will show you the planification of our diagrams that shows the conception of the project.

* 1. Presenting the difficulties

Our project posed some difficulties in managing the daily tasks and they are :

* How to make a task that suit our needs ?
* How to manage the users ?
* How to facilitate the access for the users either student or professor or Directors ?
* Problem of to put the correct courses in each branch ?
  1. Proposed Solution

To solve the problem that lies in the presenting difficulties that we needed to realize our web application in order for us to manage Student and professors in the university we have created an administration panel which will help us assign each teacher and student a like and separately yet it’s linked.

Here’s the solution to how we did it :

* Assign professors to each branch the same for the students
* Treatment of users-admin and their data
* Uploading courses and organizing exam in a well-structured manner.
* Each student will receive a notification to their email when there’s a homework or exam.
  1. Functionalities

This application is in charge of managing an entire school system through it’s effectives from the top of the mountain to the lowest.

It starts by created branches and assigning teachers to those branches in the same time assigning student to the correct branch which has already been created to allow student and teachers to share information either through courses or homework or conducting exams and those management and assignments can be identifies through multiple factors:

* Administration and Staff: they’re the one who are manage branch and users either by adding or updating or deleting as for list of the teachers and student they’re in the similliar situation plus functionalities to export the list or to print it or to search for someone through filtering option.
* Professors-users : have the ability to create the group and assign courses , homework and exams to the students can also add books to the library and modify it or deleting books .
* Students-users : can join the branch and put submission to the courses, homework, exams assigned.
  1. Project
     1. Process of development

The present project tend to show the development model in cascadic way, the method of this model was created by Winston W. Royce in 70s it’s based on 2 fundamental elements :

* + We can’t go further without finishing the current steps.
  + Updating any step can impact the steps that comes with it.
  + The process of each phase should be precisely by defined which means it’s should respect the book of specifications.

**SPECIFICATION**

**CONCEPTION**

**IMPLEMENTATION**

**TEST**

**FIX**

* + 1. Project Planification

The activity which exist to determine each teacher to the branch and group and each student assign to a branch and group and the teacher by their profile which is essential to them to use as for the administration they’re the one that align all this by order of each professor and student depending on the year of each branch.

The goals of the planification are :

* + Knowing our objectives and realize our goals.
  + Communicating in order to follow the advancement of the project
  + Affecting resources to each task.

GANTT DIAGRAM:

Conclusion :

In this chapter we have shown the difficulties and the problems in this project with all different objectives which we’re going to see in regard of this application .

Chapter 2:

Conception and analysis

2.1. Introduction

The conception is the most important step in developing an application. It’s objective is to study and treat the data that we will implement later, in this phase we will explain our modulization in general.

2.2. Model conception

The models conceptions shows and assure the precision and clarification of the architecture which we implemented furthermore it simplifies many tasks for it to developpe it in order to implement the modification in in project developed.

2.3.