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DECLARATION

We Neza Charity, Umubyeyi Carine and Ngoga Kwizera Jovite, declare that this project entitled “Student Grading System” is our original project work under the supervision of Mr. NTABANGANYIMANA Jean Claude and with the help of KIGALI INTERNATIONAL ART COLLEGE (KIAC) that is under WDA’s authority during the third intake of March 2019.

Student Names

Signature

NEZA Charity

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UMUBYEYI Carine

.....

NGOGA Kwizera Jovite

.....

Supervisor

Signature

NTABANGANYIMANA J. Claude

.....

DATE:08/2019

DEDICATION

We humbly dedicate this project to:

- ✓ Almighty God
- ✓ Our Families and Relatives
- ✓ Friends and Colleagues
- ✓ Our Supervisor
- ✓ Government Of Rwanda
- ✓ Kigali International Art College Staff

ACKNOWLEDGMENT

We deeply thank God for he guided us through the whole intake, all class activities, etc. it wasn't easy for sure. We appreciate each and everyone's support for this project to be carried out. We appreciate KIAC's and our supervisor's support for this project to be done. And above that, we are thankful for this hard work that made us invest all our effort and time despite we had a busy schedule of other everyday aspects that play vital roles in our daily living conditions.

CHAPTER I. GENERAL INTRODUCTION

Web Design is the process of creating and developing a website. The website also is a collection of related webpages that are hosted on one server accessible via the internet to provide information to users.

In general, we have 2 types of Websites, **static** website, and **dynamic** website.

A static website is a website that has no interaction with its users, this means that users only read what is on the websites.

Example: igihe.com

And **a Dynamic website** is a kind of website which allows the user to interact with the website by sending messages uploading their files/images or even sometimes editing the content of the websites.

Example: facebook.com, Wikipedia.com, etc.

9.1 Impact of web design to social life

Web design has a big impact on our life because it helps to solve some common difficulties in society. An example of this is IREMBO, it helps the society of Rwanda to easily pay taxes and access different government services online without lining up

On the fields. This saves up time, quickens service delivery compared to the past years. And most of all it increases the safety of documents.

Years.

9.2 Impact of web design to the Economy

- ✓ Web design has reduced the issue of paperwork cost and other expenses that were caused by performing different activities using the manual system as it transferred manual work into digital work.
- ✓ Web design made business easy and efficient, for example in the past years business owners found it hard to control different activities carried out in their business but web design transformed the manual system of recording those activities into digital, and now the employers can control whatever activity is being carried out like sales, purchases, etc.

9.3 Why we chose to learn web design

- ✓ It is a field which does not require a lot of capital as long as one has a good project idea
- ✓ Nowadays Web design is leading the business world, as we're transferring from manual to a digital system.
- ✓ Web design is easy to learn compared to other computer science fields

9.4 Impact of web design in the future

- ✓ The future of web design is contextual technology. Contextual technology means that the technology we are using understands our needs and our environment to the point that it is seamless
- ✓ Over the next 10-15 years, websites are going to incorporate some form of artificial intelligence.
- ✓ As these devices become more common, demand will increase for websites to be designed with features that take advantage of this new hardware. I'm sure in 10-15 years, we'll be using the web in

ways that none of us can anticipate today; However, one specific thing I'm looking forward to is the impact that VR and AR devices will have on e-commerce web design

CHAPTER II. HISTORICAL BACKGROUND

Students Grading System is a project which involves a school because it involves students, teachers and the administration. Acknowledging this, we took Kigali International Art College (KIAC) as our case study. Going straight to the point, KIAC is a college which started operating in 2015, it's located in Remera near the bus station. This college hosts all kinds of learners regardless of the education levels.

KIAC has over ten departments where every student gets to learn in a shift of their choice, either day, evening or even weekend. Students in KIAC take their courses for only six months wherein those months they get to sit for monthly tests to evaluate their studying levels. At the end of the six months courses, every department designs a project and presents it in front of the school staff panel to be awarded a WDA certificate.

Lastly, students in KIAC pay periodically either the full six months, after every three months or monthly. About our project, KIAC's grading system is done manually using Microsoft Excel and Microsoft word, meaning no defined system/database records marks or other student information.

CHAPTER III. PROBLEM STATEMENT

Taking Kigali International Art College as our case study, we found numerous problems. Firstly, there is a problem of not having a school database; this is a huge problem because school information must be recorded in a secure place where it can't be lost. Secondly, students don't get to see the results of their exams until the end of their 6 months courses which is also a problem because one doesn't have a tool for evaluation. Next to say is time and resources lost by the administration preparing student transcripts. Teachers also meet the problem of adding student's marks.

Just like mentioned above, students in KIAC sit for monthly evaluations and different tests in class according to their lecture preferences. Though students get to sit for these evaluations, they don't get to see their marks which is a big problem because they don't get to know their levels and where to put more effort. This is not only a problem for the students but also the DOS in case he/she wants to evaluate how students performed in their exams or even when a student claims about his/her marks.

CHAPTER IV. PURPOSE OF THE PROJECT

Just like every project, it is designed to solve problems.

Student Grading System will facilitate students to easily view their marks by just entering their identification numbers and evaluate themselves personally because they will get to be viewing their marks in each module plus their status if failed or passed. Or not according to their status. This system will also help teachers to easily assign marks to their students and also prepare for the next modules according to their students' performance.

The student grading system will also help the school DOS to easily control teaching and learning activities because he will be able to view marks in all departments. This system will also be able to design reports for students and keep their records in case one needs them. This will simplify work because making reports take time and capital and also record students in databases.

The student grading system has a safe environment as every user accessing the system must pass through a login page to verify his/her identity (Username & Password) and immediately redirected to the dashboard to be able to perform his/her activities.

CHAPTER V. SCOPE OF THE PROJECT

This project was at first designed to perform many actions but unfortunately, some hindrances occurred. We met a problem of time, the school administration gave us a limited time to study the project so we weren't able to include all the desired functionalities. We faced a problem with limited resources like the internet because just like every project research is needed because it's not done only on the case study but also on the internet to find references.

CHAPTER VI. DEFINITION OF TERMS AND TECHNOLOGIES USED

- ✓ **HTML** stands for a hypertext markup language. HTML describes the structure of Web pages using markup HTML elements are the building blocks of HTML pages HTML elements are represented by tags these tags are the only ones which are heard by browsers.
- ✓ **CSS and CSS3** this stands for Cascading Style Sheets CSS describes how HTML elements are to be displayed on a screen, paper, or in other media. **CSS3** is just the advanced version of **CSS**.
- ✓ **BOOTSTRAP** is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites.
- ✓ **JavaScript** is the programming language used to add interaction between the user and the website. for example form validation, JavaScript checks the form data and submits it on not according to the given conditions
- ✓ **PHP** is an acronym for "Hypertext Preprocessor". It is a server scripting language and a powerful tool for making dynamic and interactive Web pages.

CHAPTER VII. CONCLUSION

Student Grading System is a website that contains four users; admin, dean of studies, teachers, and students. Every user will access the system by logging in using their first names and their passwords except students who will use their identification numbers. After logging in, every user will land on their dashboards which include their different functionalities according to their role. The admin's dashboard will contain the different functionalities like to add new users, update their records, add new teachers, view teachers' information, add students and lastly view students' records with their information.

The DOS will be able to add departments, view departments with their different courses and be able to update them. The teacher will be able to add students marks according to their shifts, view marks and view all information about his department alongside their courses.

Lastly, students will be able to view courses in their departments accordingly and be able to print his or her transcript. This project consists of other various functionalities like to search for desired information without long scrolls and many among the others. The Students Grading System was supposed to contain giving the teachers and students a privilege to set and do tests or exams online but we couldn't include that because of limited time and resources.

CHAPTER VIII. RECOMMENDATIONS

As a web design team in this third intake, we would like to recommend the school to offer different resources like the internet because it facilitates research. We would also like to recommend the school staff to announce project preparations a bit earlier to the project presentation day.

This project might also need some other functionalities to make it more useful, this is why we would like to recommend the next intake to research more about it and develop the project further.

CHAPTER IX. PROJECT INTERESTS

9.5 Personal interests

As the web design team, this project has helped us gain more skills than those we had learned in class because some functionalities required research and exploring.

9.6 Community interests

This project will quicken and simplify work for the DOS through its different functionalities like printing students' transcripts directly without first taking time preparing them and others.

This will not only profit the administration but also the students because they will be able to verify their studying levels because their transcripts contain verdict.