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**COMPUTER AND SOFTWARE ENGINEERING**

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**LEVEL:3**

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**Project: UGUSENGA BLOG**

**Project report for the system**

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## CHAPTER 1. INDRODUCTION

### 1.1 background

A **blog** is a type of website that is updated regularly with new content. Most blogs contain short, informal articles called blog posts. These posts usually contain some combination of **text**, **photos**, **videos**, and other media. At its core, a blog is just a space on the Web that you can create to record and express your opinions, experiences, and interests.

If you spend much time browsing the Web, you've probably read a blog post before, even if you didn't realize it at the time. Some of the most-read blogs are a bit like online magazines because they're written by a team of people who are paid to update the blog with new posts several times a day.

However, a majority of blogs are written by one person. As a result, the average blog is fairly **personal**, reflecting the interests and personality of the person who writes it. This is the type of blog we'll focus on in our blog report.

### 1.2. problem statement

The purpose of a blog is to create a more engaging website for your brand. Along with using your website to teach users about your products and services, you can also include a blog section to teach consumers about topics that are relevant to your field. Along with this, a blog can help you get more website traffic from search engines. By incorporating relevant keywords, more people can find your blog posts through search and potentially find the rest of your website.

#### OTHER REASONS FOR BLOG SYSTEM:

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*\*help users understanding your offerings*

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When writing a blog, you can incorporate a few posts that cover your company's products and services, just make sure to do this sparingly. While it's important to show users what your brand is about, you still want to offer them quality content in your blog. If it is overly branded, they may move onto a different blog. By limiting branded posts, you can make a big impact on consumers.

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*\*partner with other brands*

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If your company is interested in collaborating with another brand, a blog is an excellent way to get started. You can have someone from the other company write a guest blog post. The other company may also be willing to represent your brand on their blog. Linking to reputable outside websites and having them do the same can boost SEO and increase the number of people visiting both of your websites. You may even ask an industry expert or well-known individual to write a guest blog post to keep your readers interested.

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*\*expand your market offerings*

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Having blog posts to share within your different marketing materials can be quite helpful for your brand. For instance, each time you publish a blog post, you can share a link to it along with a witty caption on your brand's social media pages. You can also create a weekly newsletter that links to your top blog posts for the week. Along with increasing your readership, including blog links on your other marketing materials can also increase your web traffic.

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*\*keep people interested*

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Having a blog is a useful way to continuously engage with your customer base. Coming up with fresh topics can encourage people to keep coming back to your website to read your blog. This is a useful way to build brand loyalty and keep repeat customers. When building a content calendar, make sure your blog posts are varied enough to keep a steady readership. You may also want to include multimedia elements, such as videos, images and infographics, to keep people reading.

### *1.3 aim and objectives*

Our aim is to help people to make different interaction with others though different posts they can post and share between them with the objectives of making a large group of people communicating and interacting between them though their posts.

## **CHAPTER2: SYSTEM ANALYSIS AND DESIGN**

### *2.1system analysis*

#### *2.1.1 technical requirements*

**Apache:** Apache is Web-page-serving software which looks at what our blog pages are requested and then feeds the browser the appropriate file. It does most of the hard work in our project like serving Web pages to visitors coming to our Web site.

**MySQL:** MySQL is the most popular database software for our blogs, in there we have used the database system to store all your blog posts and run the other functionality of the blog our blog system.

**PHP:** in our blog system, we have used php framework called Laravel for making the backend of our blog system . this has played a role of sitting between the blogging software and the database by making sure that all the parts work together.

**Disk space:** For our blog, disk space been used to store a lot of images on our blog or to upload image files and all other information about our blog system

#### *2.1.2 intended users for our project*

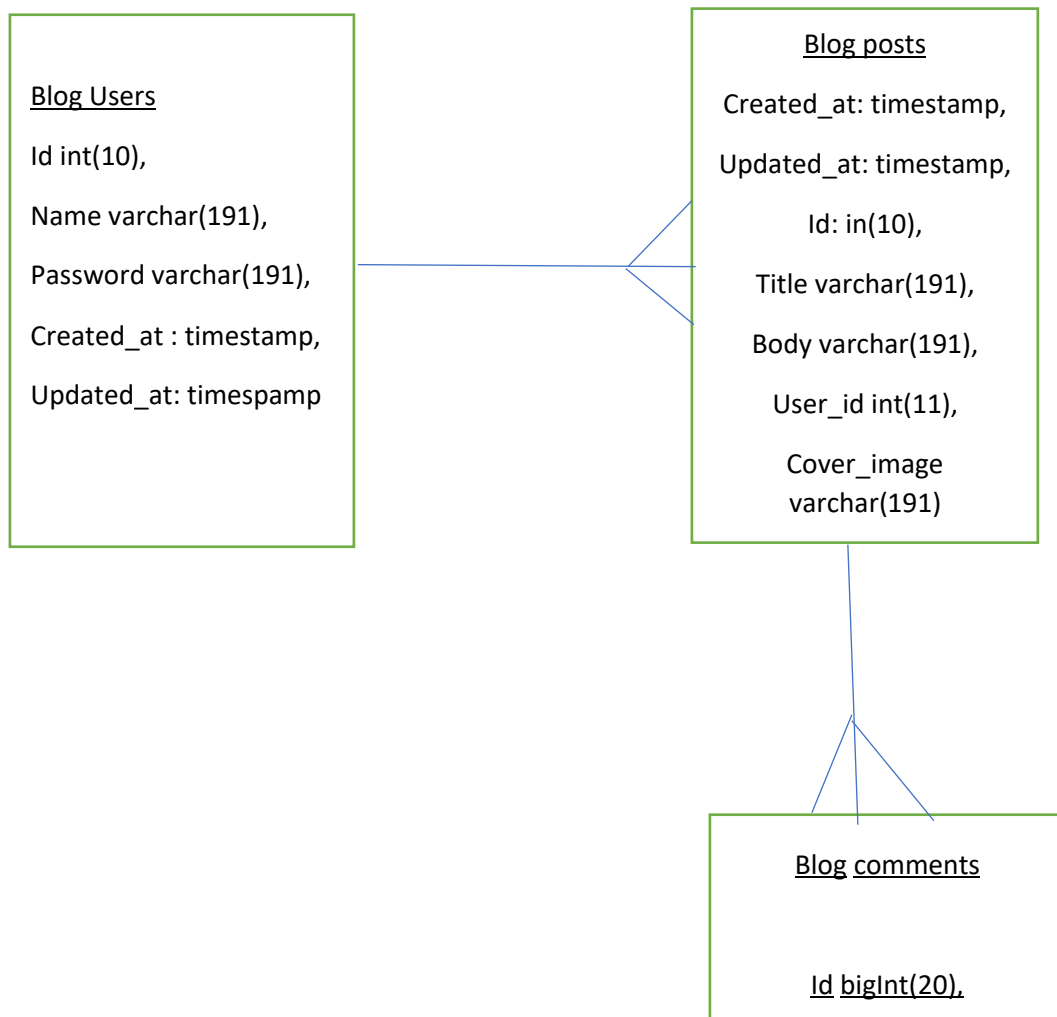
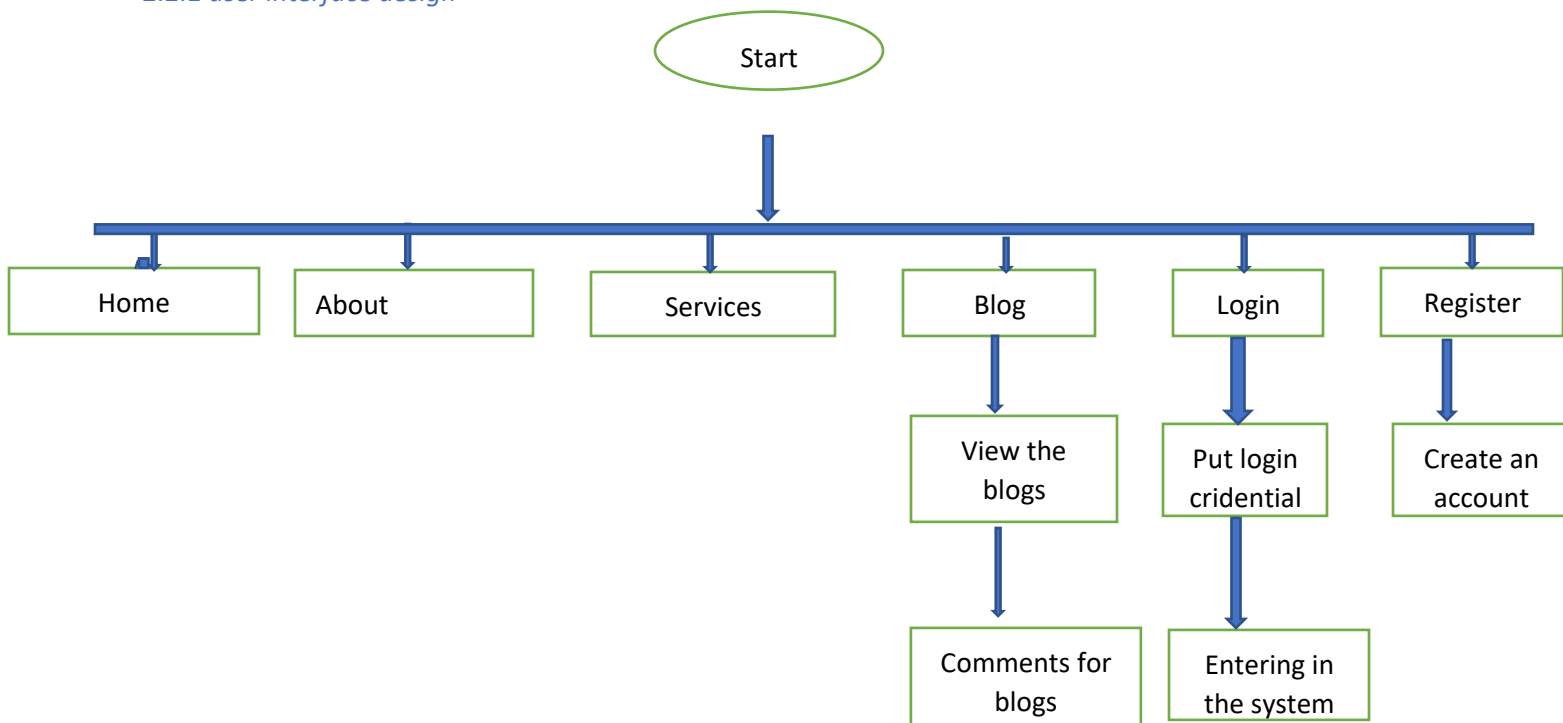
- \*All people who need to create an account on our website
- \*All people who need to view different posts from others
- \*business companies who need to make marketing through blogs

#### *2.1.3 intended system partners*

- \*PSF (private sector federation)
- \*Rwanda Education Board
- \*Ministry of ICT

## **2.2 SYSTEM DESIGN**

### 2.2.1 user interface design



### *2.2.2 database design*

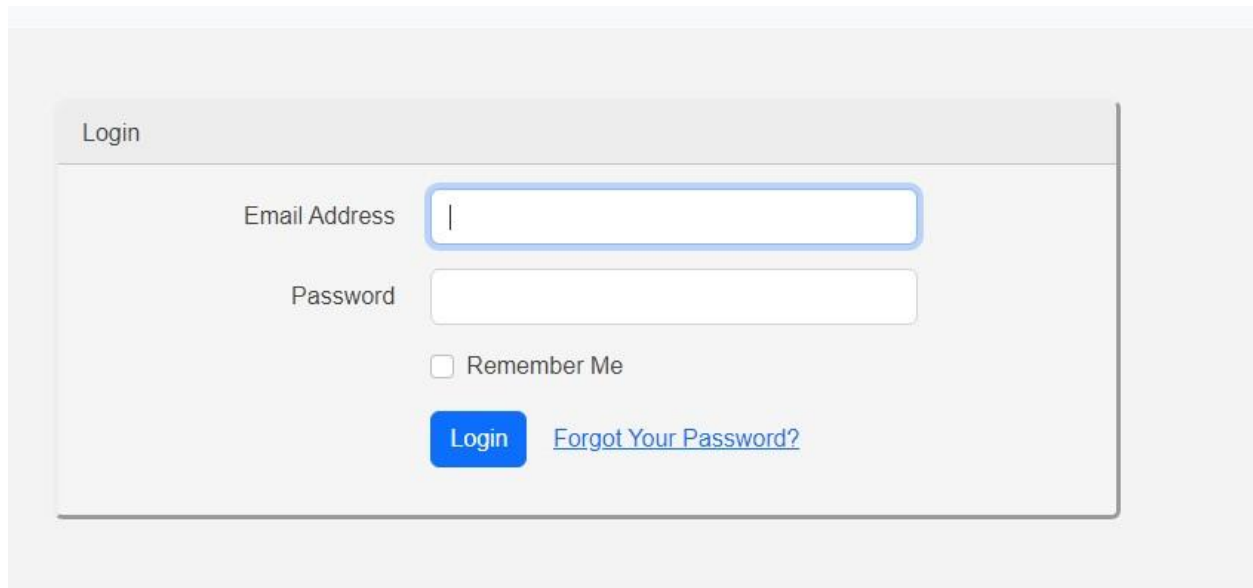
## **CHAPTER 3. IMPLEMENTATION**

### *3.1. introduction of the section*

blog system make process of sharing information and status more easier and prevent conflicting in time because each post create has it's specific time of creation, also it help users to look for other people's post and can make different comment on each post created at any place they can be located.

### *3.2 all screen shoots with caption and discussion*

*\*User login:*

A login form titled "Login" with a light gray header. Below the header, there are two input fields: "Email Address" and "Password". The "Email Address" field is highlighted with a blue border. Below the "Password" field, there is a checkbox labeled "Remember Me". At the bottom, there is a blue "Login" button and a blue link labeled "Forgot Your Password?".

Login

Email Address

Password

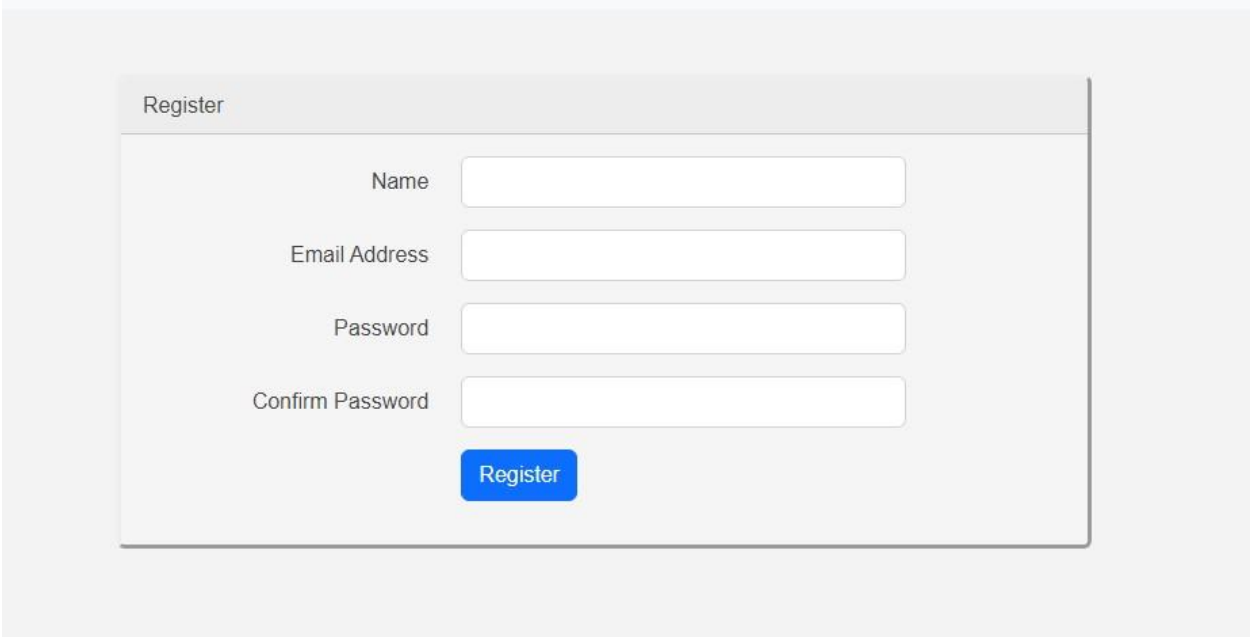
☐ Remember Me

[Login](#) [Forgot Your Password?](#)

On this login form the user which has been signed up will login to enter in the system where he/she can make post and also can manage his/her posts by updating or deleting his own post if he/she need so.

But he/she will not be able to make changes on other people's posts.

*\*Register form:*

A register form titled "Register" with a light gray header. Below the header, there are four input fields: "Name", "Email Address", "Password", and "Confirm Password". At the bottom, there is a blue "Register" button.

Register

Name

Email Address

Password

Confirm Password

[Register](#)

This is the sign up page for unsigned users or new users for our system... from there the new user will be asked to enter his/her name to be used, the email ,password and he/she will be asked to re-enter the password for confirmation... after being register, the user will be allowed to create his/her own blog and

make any change at any post created by him/her.. but his will not allowed to make any change on other users posts except to make comment.

*\*Home pages:*

Designed by **kwibuka**  
with david

MAKE YOUR BLOG AND ENJOY..... START YOUR BLOG TODAY.

post as you need. averything  
is possible.

#### HERE ARE OUR COORDINATORS:



**\_KWIBUKA olivier**

this is our first coordinator  
with any problem you can contact  
him and he will be available at any  
time you can need him to help you..

**Address:**

TEL: 0781691699  
EMAIL: okwibuka@gmail.com  
RESIDENCE: kigali



**\_IRADUKUNDA**

**David**

this is our second coordinator  
with any problem you can contact  
him and he will be available at any  
time you can need him to help you..

**Address:**

TEL: 0780186477  
EMAIL: iradukundadav.com  
RESIDENCE: kigali



**\_MBONYIMFURA**

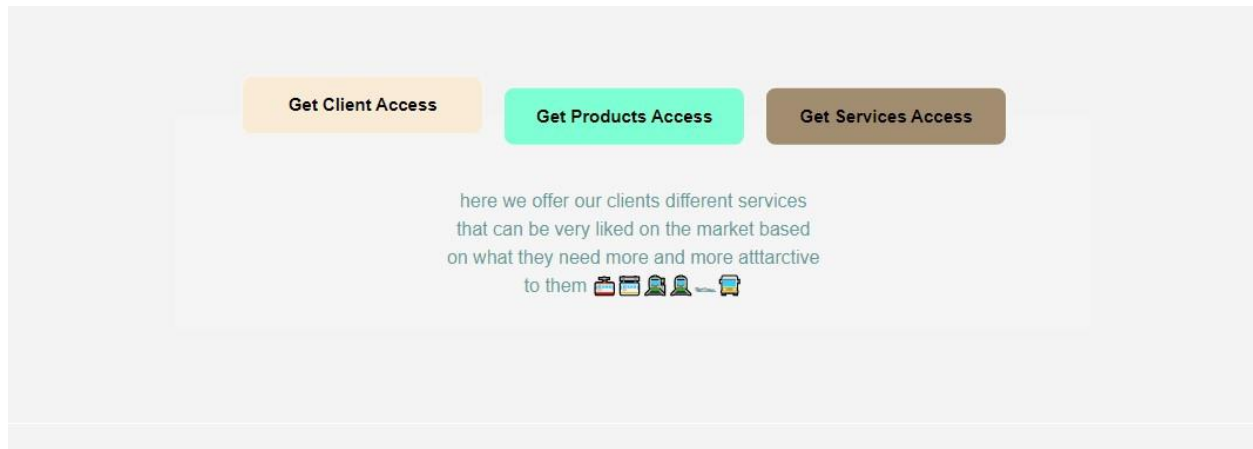
**Tresor**

this is our third coordinator  
with any problem you can contact  
him and he will be available at any  
time you can need him to help you..

**Address:**

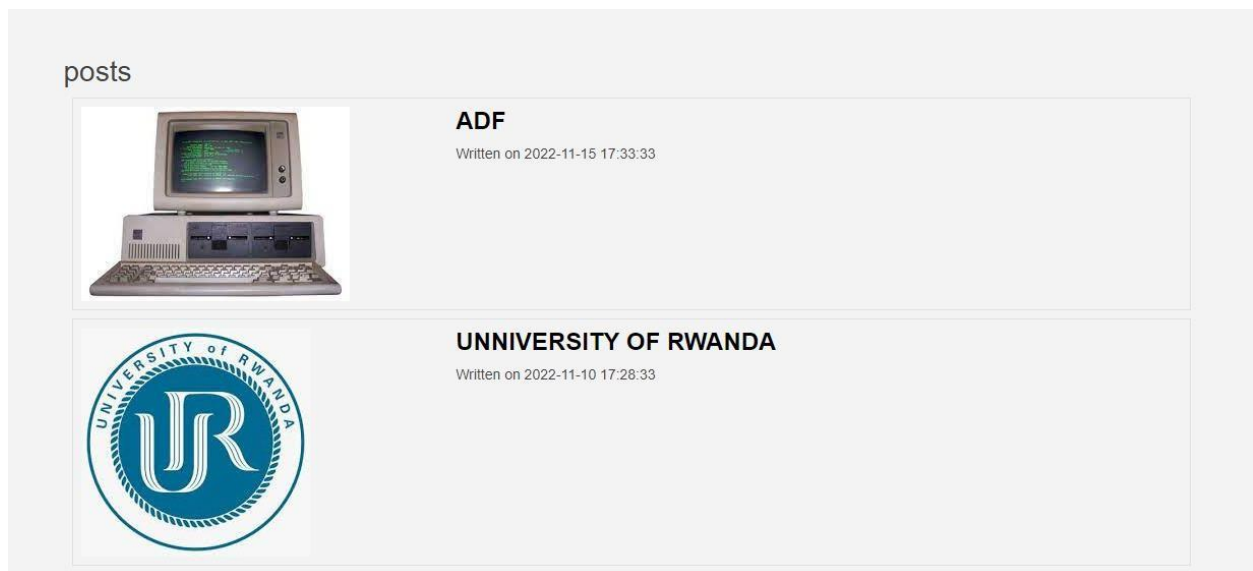
TEL: 0788749260  
EMAIL: tresorMbonyi.com  
RESIDENCE: kigali



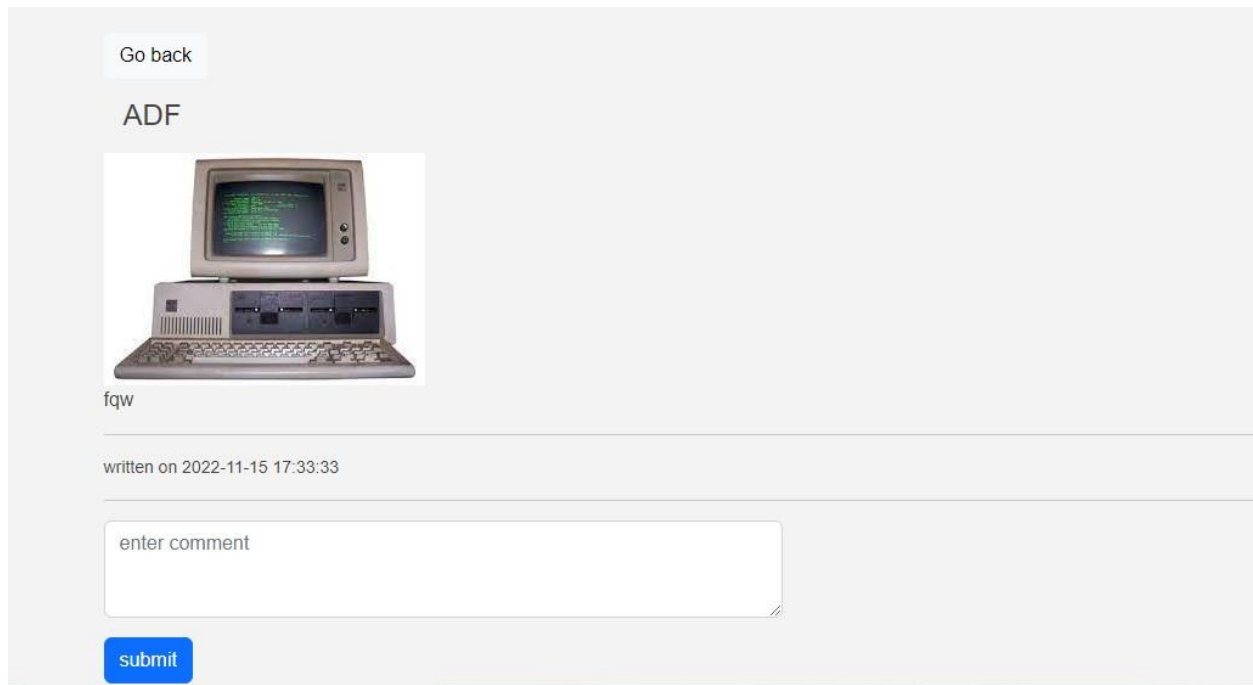


Those are some of our home pages which are seen when opening our website.. those pages can be accessed by any user who visited our website whether he/she is signed or not signed as a user.

*\*Posts pages:*

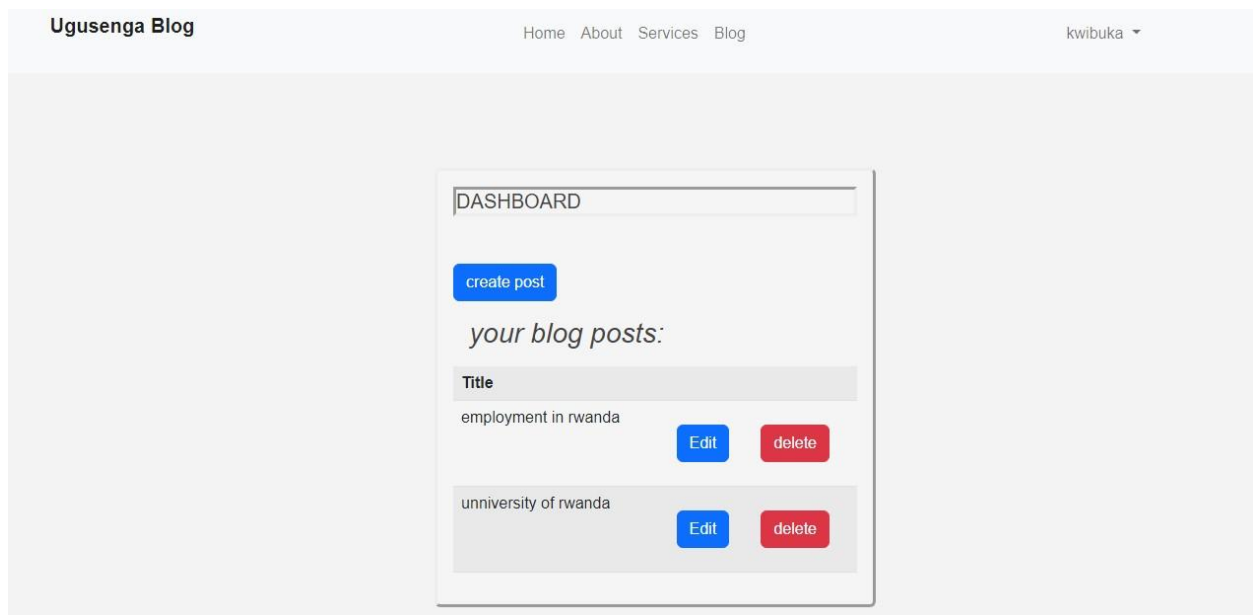


That is the page of some of the posts which can be seen by anyone visited our blog system whether he has an account on the system or not.



That pictures is one of the opened post which can be seen by anyone who visited our blog.. on each post a person is allowed to view the post and even make any comment he/she needs but he is not authorized to make any change on a post.

All of those above images were intended to be accessed by anyone who has visited our blog system...but they are other images below which can be accessed for those who has an account on our system only.



As you see on that image, there is a signed user called “kwibuka” who has an account on our system.. on that dashboard there are his all posts that he has created. You can see that he create a new post, he can edit his posts and also he can delete his posts.

## CHAPTER 4. SUMMARY , CONCLUSION AND RECOMMENDATION

### 4.1 summary

This blog project is the project that allows different people to post their different blogs or posts.. on the website different people are able to view what are posted by other signed users and also they can provide their comments on each post they have seen.. but there are some conditions and restrictions for making any change on the post for the security reasons.. some of them are as follow:

- \*unsigned users are not allowed to create ,edit or delete any post since they have no account on our website.

- \*every signed used is allowed to make change on all posts he/she has made but he/she can not make any change on other people posts.

- \*signed user can view his/her own dashboard where he/she can view all his/her posts with the date of creation and he can make a new posts by passing on his/her own dashboard.

Those are some of the basic securities we have introduced in our project but we will continue to make different changes and innovations but we will need your comments if there are any additional features you will need to access in our website.. you can share with us

### 4.2 conclusion

As conclusion, first of all that was what we have tried to do for the benefit of all people who can be interested by our website.. everyone is allowed to use our website and we can share with you different opinions from you for putting our website another level. We will continue to give you more updates and different changes for detecting any confusions that can be found

### 4.3 recommendation

I recommend the school that they can extend the hours of using computer labs so I can go with further research and add other features and they can also add time after end of semester here they can allows those who need to proceed with their project to stay and use the labs for their work that can help us to have increased time for our projects. .

I recommend the partners that they can give me a chance to show out how my project works and they will be willing to help me with other assistance needed for example in terms of money and they can also help me to advertise my website so it can be known by many people so, it can produce out an income from it. .

I recommend the user of the system to be aware if we announce that there's a training in some places and even follow us on our social media, there will some different demo about how our websites works.

I recommend the customers (seekers and helpers) is that they can continue using our website where they can find the helper on easy way and sharing it with other people and they can us and make sure that you follow us on our social networks so that we introduce new features or new devices that can support our site so they will update, it is supported on computer and is going to be supported on smartPhone mobile devices.

## **REFERENCES/BIBLIOGRAPHY:**

### **BOOKS:**

**THOMAS POWELL, A.A (2010) HTML,CSS,LARAVEL : THE COMPLETE REFENCE. DELHI: MC GRAW HILL**

**KEVIN LONEY, A.A (2004) ORACLE DATABASE 10G: THE COMPLETE REFERENCE. DELHI: MC GRAW HILL**

### **WEBSITES:**

<https://www.w3school.com> <https://www.laravel.com>

<https://www.visual-paradigm.com/tutorials/data-flow-diagram-dfd.jsp>