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| A picture of a winding road and trees | Warren Jaftha  Student Number-219005303 |

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# INTRODUCTION

We were divided into groups at the start of the year and given the duty of solving a problem in our community. The issue we decided to address was load shedding and how it affects students at C.P.U.T. In this report, I will discuss what I have learned over the course of the year, as well as the achievements and failures, as well as the advice I have for future assignments.

# ROLE IN THE GROUP

The role that I had to fulfil within the group was to be the Leader.

As the group leader of the assignment, my role was to divide the work among the group members, set a deadline for completion, and respond to any objections that my group members had, with the support of the Vice, to try to settle any problems.

It was also my responsibility to keep in touch with our supervisor and relay any messages he had for the group members, as well as provide him with updates on our group's progress on the project.

# ALLOCATED TASKS, TASKS COMPLETED AND OUTSTANDING TASKS

I was assigned to work on the design and functionality aspect of the Registration Page (which is used to add a new user to the database). I was also in charge of creating the online database that our team was going to use for the App.

For the group assignment I was responsible for explaining one of the problem definitions that our group brainstormed in one of our many meetings and suggesting a solution to said problem that I was describing

The tasks that were completed was my part for the group assignment which was explaining one of the problem definitions that we brainstormed for our project, another task that I completed was the design aspect for the Registration page.

I also completed my Wireframe which basically shows the outline or the rough look of how my page will look which will be shown in the next section.

Along with the design aspect that I completed for the registration I also completed the pseudocode that explains the functioning of the page as well as stating the colour attributes which we have decided what we will be using for our app.

The tasks that are outstanding I did not want to start with the functionality part of the registration page as it is not needed now. The database I did not want to start coding right away as the database once created only lasts for a month after that it expires and when that happens then you must create a new one along with a new project.

# PROGRESS

The progress that was made with my individual task was substantial I have completed my wireframe (User Design Interface) for my page that I was given, and I have already completed my look for my page but take note this is only a first draft of how it will look and might change in the future.

# Diagram Description automatically generatedREGISTER PAGE(Wireframe)

Now I will say the first look of the registration page

# REGISTER PAGE (In-App Appearance)

Graphical user interface, text, application

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I have also completed my pseudocode for my page to explain how it will work

# REGISTRATION PAGE PSUEDOCODE

# BEGIN

# INPUT

Display “Student number”

Enter Student Number

Display “Student Email”

Enter Student Email

Display “New password”

Enter New password

Display “Verify Password”

Enter Verify Password

# PROCESS

**If**

All data is inserted correctly into the fields.

**then**

Data gets retrieved from the text fields and the new user is created.

**Else if**

Certain fields are left empty.

**Then**

No data is retrieved, no user is created.

# OUTPUT

Users Account is created and is taken to the Registration Page.

Then finally I have also stated what colour attributes will be needed for my page

# COLOR



**CYAN**  **RGB**: 0,255,255 **HEX**: 00FFFF



**BLUE**  **RGB**: 0, 0, 255 **HEX**:1800FF

![Shape, rectangle

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**CORNFLOWER BLUE** **RGB**: 100,149,237 **HEX**6495ED

# WHAT HAVE I LEARNED?

While watching the LinkedIn Lessons and Working on my LinkedIn page I learned a lot with regarding to design when it comes to developing android applications I have learned that when designing an app the look of the app should always be simple and not complicated otherwise the individual who will be using the app will get confused and won’t know how to use it also when choosing colours for the app you must always choose colours that work well together that makes the app pleasing to look at.

The Learning Git and GitHub basically solved any problems or misunderstandings that I was having regarding creating repositories and sending pull requests. Not knowing how to do these simple tasks caused a lot of problems for me with other assignments.

While working on the group assignment for Term 1 I have learned how to compromise to meet others needs and wants within the group to keep everyone as a collective happy and content.

Lastly while working on my task which I was given I learned more about firebase and how to create an online live functional database which can add, edit, and remove individuals’ details from the database which will be useful for the assignment,

# POSSIBLE IMPROVEMENTS FOR THE GROUP AND AS AN INDIVIDUAL

One improvement that I would like to have been that in our private meetings that we have without the lecturer I would like that more individuals interact with one another, what I mean by this is that when we have our private meetings there is always 1 or 2 individuals that remain quiet during the meeting and never interact with the rest of the group or give any new ideas.

Another improvement that could be done is once again to do with our private meetings and our time arrangements for when a meeting is supposed to take place to discuss project tasks. There have been times when we as a group can’t decide on a meeting time and no group member wants to compromise so in the end the meeting just gets cancelled and rescheduled for another day which is really annoying,

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# CONCLUSION

Finally, as we near the conclusion of the year and the completion of our application, I'd want to add that this has been a fantastic experience in which I've learnt a great deal. In my report, I discuss what I learned while working on this project, as well as the successes and setbacks I encountered, as well as the recommendations I have for future projects.

# GITHUB LINK

<https://github.com/Wareezy/PROJECT-3-TERM-1-INDIVIDUAL-REPORT.git>