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

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# INTRODUCTION

At the beginning of the year, we were split up into groups and given a task of solving a problem within our community. The problem which we chose to tackle was load shedding and how it affects students that attend C.P.U.T. In this report I will detail what I have learned throughout the year, What were the successes as well as disappointments, and the recommendations that I have for Future assignments.

# What Have I Learned?

**Coding Experience**. Working on our assignment throughout the year has increased my experience and knowledge in **Android Studio**, this was the software which we used to code the application. My App Design skills also got tested and pushed to its limits, but this was good because it helped me grow.

**Firebase.** For our database that we created we used the software called Firebase to store our client’s info and working on this assignment has taught me how to create my **first online cloud database** which I have never done before which was a satisfactory learning experience.

**GitHub**. At First when being introduced to GitHub it was really challenging to get a hang of, but after having to work with GitHub through the year submitted our reports and our final application. I can really say that I fully understand how the software now works and what its purpose is.

**Groupwork**. I was very upset when at the beginning of the year I found out that we were put in random groups for our assignment, that’s because I like to work alone and didn’t really know any of the people in my group. What this assignment has taught me is that in order to solve a problem at times you cant always do it alone there are times when you will need a Team to tackle the problem head on to find a solution and that in the workplace you wont really be able to choose who is on your team and even though everyone on the team is different you can still work together because what unites the team is the problem that needs to be solved and the task of having to find a solution to that problem.

**Flexibility**. For this assignment I had to become flexible in terms of everyone’s needs and wants because not everyone has the same set of strengths and weaknesses so when it came to separating tasks amongst the group, I really had to be flexible with the demands that individuals gave me for the tasks that I was handing out.

**Time management.** Being the leader of the group really put my time management skills to the test and to be honest looking back at this year has really improved my ability to separate tasks over the period of the day as I had other assignments for other subjects that I needed to complete, and I had to see over the group, so it was truly a challenging experience.

# What was your responsibility? Share the successes as well as the disappointments.

My responsibility as the group leader of the assignment was to basically separate the tasks amongst the group members, set a due date for when it needed to be completed and attend to any complaints that my group members had and with the help of the Secretary try to resolve any of the complaints.

My Responsibility was also to remain in contact with our supervisor and to convey any message to the group members that he had given me as well as give him updates on our groups progress with the assignment.

The task that I was given was to work on the Registration Page (which is used to add a new user to the database) and the forgot Password page when users wanted to reset their password. I was also Responsible for coding and creating the database.

**The Successes**. The main success that I am truly proud of is that my group ended up completing our app and that it is fully functioning. All our page’s work, and our database is fully functional.

**The Disappointments.** The only disappointment was that we had a little trouble with our one of our group members, his page didn’t meet up to the standards/quality of the rest of our pages and to be honest it kind of let the whole group down and it will bring down our overall look of our app when we must present. He also didn’t show up to any meetings or communicate with the other group members which was also not so a great experience.

# Recommendations for improvements.

My Recommendation with future assignments is that Lecturers **don’t put us in random groups** with people we don’t know. I understand putting us into random groups is supposed to prepare us for the workplace but right now in my opinion it wasn’t a very good plan. My reasoning for this is that many groups in including my group got certain members that wouldn’t do their part of the work wouldn’t show up to any meetings and because of that brings down the whole group. So, what I Suggest is that you allow students to pick and choose their own groups that they want to be a part of which I believe would work out much better.

Another recommendation that I have is that we have **Meetings more often with our supervisor**. We usually have meetings every second week on a Tuesday but that is not enough because at times there would be a member of the group who would have a question that I as the leader couldn’t answer then I would email the lecturer in which they would take long to reply, but that wouldn’t be a problem if we had regular meetings where students can ask a lot of questions.

# Conclusion

In Conclusion coming to the end of the year and successfully completing our application I want to say that this has been a great experience and I have truly learned alot. In my report I have stated what I have learned while completing this assignment, the Successes and disappointments that I experienced as well as the recommendations that I have for future assignments.