

## ITSP200 – Deliverable 5: Evaluation report

Group number and name	Group 4 – THE POLL MAKERS
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Project title	Advanced Polling System
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## **1. Evaluation report**

### **1.1 Introduction**

This report contains the journey of implementing the Advanced Polling System (APS) by the team Poll Maker. The system is assessed from an accomplishment viewpoint in terms of whether the final system development has catered to the client necessities. The team decided to develop a project, whereby students on campus must cast their votes for the best SRC candidate for respective positions.

In this document, there will be processes that explain the association amongst the developers and how we met all the respective requirements, to satisfy the customer's needs. The content of this document will show clarification of how the developers came upon the completion of the final system and if we met the customer's requirements, and how we as a team we collaborated throughout the entire project. As well as how we carried out and planned our time management and each member of the group will give their point of view of their lessons learned throughout the completion of the project

### **1.2 The final system and the customer's requirements**

The challenges that the developers faced in having a complete result of the final system was tough, but the team members managed to deliver a final system. The developers were required to create and develop a system that meets the client's necessities.

The outcome of the system was to enable each student that is enrolled at Pearson Institute of Higher Education (PIHE) to cast their votes for a candidate under all the respective positions available; however the outcome of the final system has not met all the requirements, the reason for this is because the system does not count all the casted votes for candidates, which was the cause of the result that the final system wasn't able to meet the customer's requirements.

The result of the final system is to ensure that the client necessities are met. The Poll Makers team must make sure that the system delivers what the client has required. The Poll Makers have accomplished to encounter all the client's requirements in the procedure of developing the APS system for its clientele.

Unique Identifier	Requirement Description	Yes/ NO	Comment
<b>R1</b>	Potential candidates must be able to be registered onto the system.	Yes	
<b>R2</b>	All, registered students on the campus must be able to vote.	Yes	
<b>V1</b>	For the elections to be fair all voters must only vote once.	Yes	
<b>V2</b>	Information about campus fees, rooms and shops.	Yes	
<b>D1</b>	Votes must be counted fairly.	No	
<b>F1</b>	Voters will be able to make comments on what they thought of how the elections were held.	Yes	

### 1.3 Group dynamics and team collaboration

The group members were allocated roles throughout the development of the system. The beginning of the project, the team had a poor performance, because members in the group wouldn't do what was required of them to do, while the other group members had to compile the work they did and end up doing the other team members sections in the group.

The group faced a minor mishap, where one-member left, and the Poll Makers ended up with three team members. The team gradually started to pick up the performance level, where every member did what was told of them to do by the group leader. Every deliverable for completing this project had a leader, where the leader had to compile all the sections done and chosen by each team member. The team started to perform well under circumstances and the development of the project started to have more positive outcomes of the execution of the project.

The Poll Makers group dynamics started poorly because everyone didn't participate like expected. Some team members never knew the understanding of the system, while others had a better understanding of the system, but gradually every team member started to understand how the execution of the project should be and how it should be done. The team had some conflict, due to that a member in the group never did what was required of them to do, the conflict was resolved were two of the remaining team members re-created the entire deliverable. The Poll Makes slowly made progress, as all team members started to participate and started to have a very good understanding as well as good communication skills with each other.

The team collaborated their work via google drive, sending the system back and forth to each other, as there were no other programming platforms that all the members in the group fully understood to collaborate their projects. The Poll Makers would work together in class to combine the sections of the project when there were any updates made of the project.

During the project Nadine seized the planning role in the development by supporting and confirming all responsibilities were assigned resourcefully, and that the entire team had an organized rational model on the project. Nompumelelo then advise the group on the structure of the system and how it was to be executed in different features, by adding different positions when voting for the SRC. Which it would be easier for the student on whom they want as their president.

The Poll Makers group member would then deliver the aspects required from each deliverable in a timely method. As each augmentation was not fully completed, the testing of the frames was done by the group members.

## 1.4 Time management

### ▪ Development of the system

The development of the system originally started in July, which was deliverable three. Planning for time management was not set out perfectly at this stage due to the conflict amongst team members and one team member leaving the group, the system was time-consuming, because members in the group had different ideas on how to develop the system, so every design of the system was frequently changed until all members agreed on the final way of how the development of the system should look like the development of the system was delayed. In this project we had three developers, two developers who had an average performance with the programming language and one developer had experience with the programming language.

### ▪ Database

The database creation was the only thing that did not need time throughout the development of the system. As the team knew what tables needed to be created as well as columns and every member was above average in working in SQL Workbench.

### ▪ Deliverables

Each member of the Poll Makers was assigned a task to carry out per deliverable, to improve group working skills. Hence each deliverable had a leader, although one member was assigned the duty of compiling the final deliverable. All the deliverables were time-consuming, as everything that needed to be done took time to gather the necessary resources, making sure that each deliverable was done the correct way, because it clarifies the development of the system as well how it should be executed.

### ▪ Testing

One member of the group created the test templates for the entire system. All the testing of the Advanced Polling System was done in an SP class, where everyone was present. The tester was given time to test and see if the system was working if the group was meeting the testing requirements.

Time management for our group was less effective. A team is composed of individuals who need to put out their differences and learn to collaborate. As a team meeting frequently should have been our top priority to elaborate on the progressive of each member reaching the targeted goal of the system. Hence most members prefer working from home instead of coming to campus. The overall of how the team carried out time management was through making plans of time of what was needed to be done and the time frame of which each member of the team should deliver their respectable sections in the deliverables.

## 1.5 Lessons learnt

**Nompumelelo Mtshatsheni:** I've learned how important it is to save my work, as I have lost all my work because my external hard drive stopped working and I did not have a back-up of my work. Also noticed that communication skills are very important in working in teams. I also learned that different individuals succeed tasks in a different way, and it has helped me in the logic that I have managed to do someone else's work to meet the deadline of the submission. Being too able to share amongst the team members and collaborate. I must say communication is a very essential thing during teamwork.

**Nadine Jansen:** I have learnt throughout the process of completing the group project is that working in a team, each and every member in the group should have the same level of understanding of what is expected from each other. Communication and listening skills are important, in order to get input and output from each member.

**Luyanda Gumede:** doing this group software project has shown me that you have to work according to people's strengths. I learnt that we do not all understand coding logic in the same way therefore people implement their logic differently, that does not mean it is wrong it is simply a different way of doing things. The loss of our fourth group member gave us a wake up call because now we were less which meant we had to take up more responsibility

## 1.6 Conclusion

In conclusion, the Poll Makers group has personally grown with their skills sets throughout the project. The developers had a difficult time at the beginning of this project, but as the process of developing the project went on, the Poll Makers started to grow as a group, each member started to complete their sections and collaborated their work to other members in the group. The performance of the Poll Makers gradually improved, and it has a more positive outcome that the execution of this project, in the end, could be a success. The system accommodates the functional requirement specified in the document. The system will be cohesive to the Pearson Institute of Higher Education (PIHE) and will assist the institute in voting for the SRC member and maintain their candidates' records and all the information on the number of students voting at PIHE.