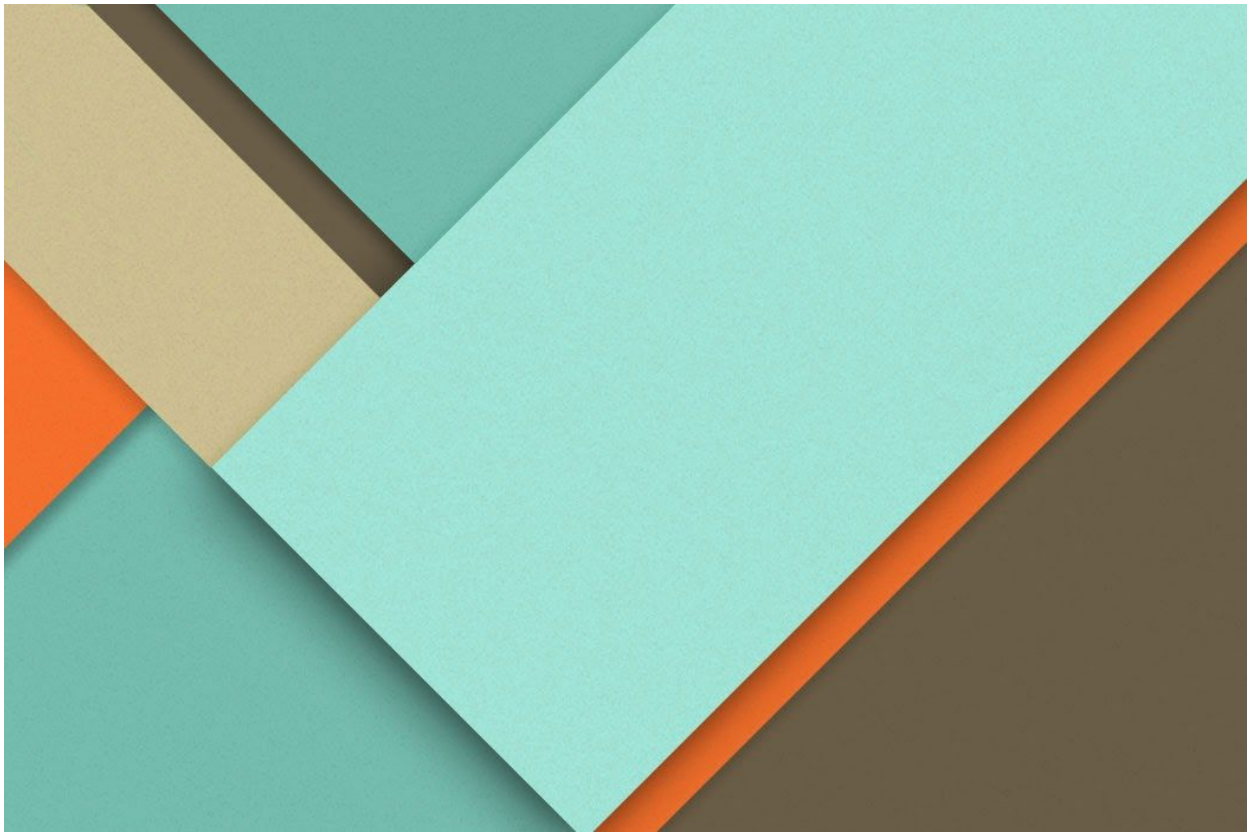

School electoral voting system

Members:

ANYANGO YVETTE OKELLO - P15/136563/2019

MUTUA MERCY NDANU - P15/136442/2019

NGONI OLGA NAMULUNDA - P15/136297/2019

OMARE MICHAEL NYANDIRI - P15/137294/2019

WRIGHT IAN - P15/130598/2019

NJOROGE LEON MURAGURI - P15/137470/2019

Overview

Description of the current system.

In the University, the current system is unreliable tideous to use and time consuming. Students make very long queues which are chaotic. These chaos discourage other students to vote because they find voting as a waste of time and knowing that there will be theft of

votes. The current system cannot ensure accurate results which are counted by trained students. All these reasons call for need of a new system.

Description of the proposed system.

The proposed system is sufficient to its services since it will reduce the budget allocated for holding an election, as seen in the previous system. As a digital system, we want to eliminate any spoilt votes through our design system. This brings out fairness as we try to maximize the number of voters. In an attempt to get everyone to participate, we will design the system to be simple and interactive. Because our design is digital, it eliminates queues and the data is processed fast so that the results can be released at the end of the day.

Goals

Our goal was to create a system that:

1. Saves time - in terms of a faster process and eliminating queueing.
2. Gives accurate results - in terms of eliminating theft of votes(since the system has security constraints), eliminating spoilt votes(the voting system has restrictions... e.g you can not vote for two candidates who are vying for the same sit)
3. Fairness - voters can only vote once; when they vote, the system restricts them to vote again.

Specifications

Because we are dealing with a school voting system, our voters are the students. The students are required to have a student's registration number and a school email.

Note: school email not their own personal emails.

Capabilities

Our system is very much capable in that:

1. It is interactive- to ensure everyone participates.
2. It is informative- keeps users updated about results.
3. It is secured- data is secured no rigging of elections.
4. Simplicity- with a simple user interface design, adaptable without difficulty.
5. Privacy- user data is protected, we just receive voting requests and give results.

6. Feedback and community- we are open to any feedback, this is to enable us to be updated for the betterment of clients and end users.
7. Scalable- can be used by any institution to conduct elections.

Milestones

As much as we've made our system simple and interactive that does not guarantee full participation in elections using our system.

Our system also requires data for one to be able to participate in voting hence not everyone can be able to vote if there's no data on them.

The system could also be prone to hacking or cyber attacks. As every system has limitations we are working to counter these milestones.