**GROUP 2 MEMBERS**

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| --- | --- |
| **P15/137470/2019** | **LEON MURAGURI NJOROGE** |
| **P15/136297/2019** | **NGONI OLGA NAMULUNDA** |
| **P15/130598/2018** | **WRIGHT IAN** |
| **P15/136442/2019** | **MUTUA MERCY NDANU** |
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TASK: IDENTIFYING REQUIREMENTS

# Functional Requirements

1. **Registration**

***(mainly on the end user’s side)***

* Should enable students to register either as **voters** or **candidates**

1. **Authentication**

* Should enable the following people to register and log in:
* Administrator (client)
* Candidates (end user)
* Students / voters (end user)

1. **Verification**

* The system should give the users the ability to confirm certain events

*such as logging in or registering. (Emailing them or sending SMS)*

1. **Reports**

***(on the client’s end)***

* Should display records of voters / candidates (on the client’s end). Can be done by an Administrator’s ***Dashboard***
* Election records should be seen

***(on the end user)***

* Displaying election results

1. **Adjustments and Cancellations**

* A voter or a candidate can make adjustments to their profile data eg usernames, passwords, names
* A voter should be allowed to cancel and place a new vote.

1. **Timing**

* Should enable setting of date and time parameters
* Should not allow votes before or after the set times

# Non-functional Requirements

1. **Reliability**

* **I**t should work fast ***regardless of the number of users*** using the system at any time. (performance)
* Always accepting inputs, hence no votes will be lost.
* To be able to accurately tally the votes of each candidate

1. **Cross-Platform**

* Should work ***across all platforms and devices*** so as to give every student a chance to participate.
* That’s why we intend to build:

1. a cross-platform mobile application (for the end users)
2. A website (for the clients)
3. **User friendly**

* Should have very simple and great user interface (it will be simple to use)

1. **Scalability**

* There will always be departmental changes that can affect a school’s voting system, this could usher in a new requirement all the time, so the system should be customizable

(for the client)

i.e changes include **changes in the electoral body of the school such as SONU to UNSA, which might bring a new way of doing things which our system will miss out on.**

**-** This calls for more study about our school’s electoral body.

6) **Security**

**-** Data should be protected (hackers, malware). Various ways of data security:

Passwords, System Logs, Backups, use of IDS (Intrusion Detection Systems)