Requirements Analysis

# Functional Requirements

* User authentication and authorization – you should be able to register an account and log in.
* Search – website should allow users to search for the poll they want
* Content page – there should be a page where you can view the latest content
* Analytics – there should be an option to view how many times a item has been voted
* Data Management – website should have a place to store the users data such as login details, and a range of poles.
* You must full in all your details when creating your account, so full name, username, password, and email address.
* To create a post you must fill in all relevant details
* You must be logged in to create a post

# Non Functional Requirements

* Performance – our website must be fast performing this can be tested and improved.
* Scalability – our website must be able to handle many users accessing it at the same time with no problem
* Usability – our website must be very easy to use and navigate by the navigation bar and the content being clear.
* Security – website must protect sensitive data such as customers information
* Maintainability – website must be easy to maintain and update this can be archived by putting comments in the code so everyone understands it
* Compatibility – Our website must be able to run on every device with a internet connection.

# UML Diagrams

Diagram

Description automatically generated

This is a brief overview of how the database communicates with the mi-Linux server and the device. First of all the database gives data to the mi-Linux server so the data is stored in the php code then it moves to the web browser where the user now has access to their account and they are able to post their poll.

# References

Rome, P. (no date) *What are non functional requirements - with examples*, *Perforce Software*. Available at: https://www.perforce.com/blog/alm/what-are-non-functional-requirements-examples (Accessed: February 13, 2023).