

# **LU SOCIAL NETWORK**

## **CHAPTERS**

### **Preface**

This document is written in a bid to start our Year 3 semester 2 Group Project for the Bsc Computer Science. It is written and is the work for the group members.

Each group member is entitled to read and make any related changes to the system under proposal.

### **Introduction**

The proposed system is intended to solve information sharing difficulties as far as all the Laikipia University fraternity is concerned. In the initial versions of the proposed system, the system should incorporate the basic features of a simple social network in terms of interaction and members involvement.

In the later versions, chatting capabilities may be introduced. This feature is optional because of its complex nature putting into consideration that the system should and must be complete in 5 weeks time which may not be enough to implement all such features.

### **Glossary**

**(TO BE COMPLETED AFTER VERIFICATION)**

### **User Requirements Definition**

The requirements that a user may need include availability for use of this system. Since it's an information sharing system, the system should be available whenever the user wants to use it. This means it should be up and running 24/7 unless otherwise communicated.

Anyone with a device capable of connecting to the internet and has display mechanism should be able to use the system( at least for the basic parts of the system).

The system is not for sharing hate speeches and use of abusive languages that is beyond our social and moral values( for this matter, the admin is able to bring down any article posted which has some issues as matter as social values are concerned).

### **System Architecture**

**(TO BE INCLUDED AFTERWARDS)**

### **System Requirements Specification**

(functional requirements)

The system should allow the normal user of the system to :

- POST an article
- VIEW an article
- COMMENT for an article
- DELETE their articles as well as the comments they have posted for an article
- EDIT/UPDATE their articles
- LOGIN to the system
- CHANGE/UPDATE passwords
- RESET their passwords using using their student email whenever they forgot it.

For the later versions the user should be able to

- Chat with their mates
- Joining a chat room which is like a group so that they can share information within that room

- All group members can view the messages and articles they post

An article can be accompanied with an image

The system should allow admin to:

- perform all the above functionalities
- ADD users to the system
- DELETE articles for normal users

### (Non functional Requirements)

- The focus for this system shall be much on the client side part to make sure the the UI of the system is appealing and interactive
- All the server side functionalities should be consumed on the client side
- The system client side should be responsive
- The system should be secured with web tokens and forcing users to enter strong passwords.
- Passwords will be encrypted using bcrypt
- It should be optimizing SEOs(Search Engine Optimizations)

This system shall be developed in increments using agile methodologies. This is to make sure team work is empowered and make sure the system is complete within schedule.