**LiGram SYSTEM PROPOSAL**

**PREREQUISITES**

The project will involve a substantial of object oriented programming and database management. Members must have good knowledge in data structures, implementation of algorithms, various development languages such as Java, Python, Java Script, C#, etc. Mark-up languages like HTML and CSS will be vital to create the structure and style of the application. Understanding libraries such as jQuery, JSON, AJAX, BOOTSTRAP 4(which includes Node.js) will be crucial in the design of this application. This project will be also programmed using software such as visual studio, adobe dream weaver, android studio, etc.

**OBJECTIVES OF THE PROJECT**

The aim of this project is to make a social media application that gives users ability to share their music combined with their lyrics at once. The distinction between Ligram (lyric-gram) and other existing platforms is that it provides freedom to people who will be using it, the freedom will be that users have to create their own brand by making people follow them and share their great music among those followers. Let’s look at how Instagram, sound cloud and genius operates, this application offer different values to the users and most people have to access this sites separately but now what if we merge this three application into a single application? This will make accessibility much easier and a user just have to be on one application to access any content he or she has to access separately. Another problem is platforms like genius and songs lovers only post lyrics and music(respectively) for artists who are already big in the industry and leaves potential artists, so by looking at this problem in the internet society, we looked at how Instagram is capable to allow to make people make names for themselves by giving them freedom to promote themselves and making people follow them. Looking at the positivity’s of Instagram, we came to conclusion that, why not make a platform that gives a user the same freedom but now a music and lyrics platform which allows people share their music and lyrics to their followers.

The application will have the ability to allow user listen to music while reading the lyrics of the song they playing at the same time. The application will be more interactive among the users since each individual has to create their fan base by making other fans follow them. The following needs to be achieved in order to accomplish these objectives:

-User friendly

-Offer accurate and relevant information

-Good improved security

-Data integrity

-Fast perfomance

**PROBLEM DOMAIN**

The problem domain of this project is to meet every users needs and that usually leads to different perceptions among users. Also to insure that user data is protected and offering privacy at greater extent for users.

The stakeholders are users. Current problems with the existing platforms.

USER PROBLEMS

* The application are selective, they work with the status of a person.

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* Privacy of users has not been respected and that brings doubt in the user.
* Applications being separated, if a user what lyrics or songs they have to go to a different site.
* Lack of freedom in what the user can do with the applications.

**Approach to the study**

The data collection instruments used to gather accurate information about the existing system and the requirements for the new applications were observations and interviews. Interviews administered to a sample of users to collect user requirements. Observation of the current existing system was done by looking the statistics on which people usually have opportunities to be shared on their pages and it is sad that few people have the privilege to be posted since they don’t have a good status to be posted on their platforms. So we will solve this by providing them the tools they need to be known out in the world.

Reading will have to be done on database design, management and data structures would have to be understood at great depth.

**Nature of End-Product**

Expectations from the new system:

- The interface must be simple, easy to understand and use

- The system must be secured

- Easy accessibility to any user

- The system must be secured

- The application must be accurate and relevant.