**PROJECT PLAN**

**Reliable chat service**

**Submitted by :**

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**Problem Statement**

1. **Clear and well-defined problem statement.**

We are planning to build an online reliable chat service that will be used to send messages over a secured channel by the encryption method.

1. **How will your project be different from any similar systems?**

The system software of the chat software consists of a three password authentication system along with a secure and a realiable link for the transfer of messages.

1. **Be as detailed as you can in 2-4 sentences.**

Every user will have a login which has to be done at three levels using passwords, uid and image recognition.the user can only send messages to those who have been added in that user’s account . Every two users will have different encryption keys. This chat will take place over a realiable link.

**2. Project Objectives**

**(a) Clear and well-defined list of project objectives**

Our project has the primary objective of providing security to the user so that important messages can be sent without information leak .

Also the user can choose the people he or she wants to add .

**(b) Also mention which team member is going to work on**

**which objective**

Sanyam seth is going to deal with encryption techniques in the backend and the linking of the various backends.

Gurleen kaur is going to implement the three level password authentication system and also will take care of the GUI.

**3. Feasibility Study**

**(a) Evaluation of the potential of the proposed project**

The chat software client will be able to run on windows and it can be easily programmed for linux as well as MacOS.

**(b) Justification that the project will be completed within the**

**Timeframe**

The frontend of the project has already been started. According to time constraint, the frontend of the project will be completed within few weeks and following weeks will be devoted to backend.

**(c) Also study the technical & operational feasibility of the**

**project**

The project will be made using javascript along with HTML CSS and PHP. Most of the operations of the chat will take place at the run time and the user need not refresh the page again and again.

**4. Process Model**

**(a) Choose the appropriate process model for your project**

Evolutionary model is appropriate for our project.

**(b) Justify the why you have chosen it**

The evolutionary model suits the best for our software as the the designing and programming of the modules starts from first step. Then the different modules are designed individually and then released. If any change is required from the client side it can be done then and there. In this way the software is made strictly based on client’s requirements.

**5. Deliverables**

**(a) Specify well-defined deliverables. (major results or services that will be produced, specific things the software will do)**

The software doesn’t have any hardware dependency so it provides convenient user experience.

**(b) Mention any platform(s) and/or framework(s) which you plan to use.**

For frontend: JavaScript, Html ,CSS,

For backend: PHP, JAVA(for image processing) ,PYTHON