

## **Coding Report Summary - Cloudgile**

Collaborating on software development is hard. That is the reason cloudgile exists. Cloudgile is a cloud-based platform that allows developers and managers to collaborate in an agile manner. It provides essential tools that already existing applications lack such as in-built communication supporting in-app messaging, voice chat and video chat along with integration of git that allows automating user's progress along the development of their project. Cloudgile is a to go tool for developers that allows them to experience a hassle free process to collaborate with others when developing any application.

Below are the important features that cloudgile has to offer:

### **In App communication:**

The final product will have features such as voice, video and text messaging system. The current version supports text messaging inside the application so that the developer can chat with their team members in real time while using the application.

### **In App Version Control and Search Engine Integration:**

The final version of the application will also provide git version control (which is the main feature of our application) directly from cloudgile web application that will allow users to automate their progress. It will also provide a separate search engine inside the application so that developers can refer other websites and get their code fixed quickly. It will also search all code and documents that are currently in the team's database

### **Basic usage summary:**

The current version of cloudile has the ability to create new projects and add members to the project. Any member of the project can create issues and add it to the backlog. The issues can only be edited by the project lead or the person who has been assigned to that issue. The issues can be added to the current sprint. Similarly, the issues can only be reopened by the project lead or the assigned member. All members in the project can chat with other members and this chat is unique to each project.

### **Testing:**

The project has been tested on various features such as Account creation , new user tutorial slides, new project creation, new issue creation, modifications in the issues or projects, chatting feature and revoking user access. All the above mentioned features have been rigorously tested by the group members as well as other people as the application is hosted live.

### **Open Issues :**

With the increasing use of mobile devices and tablets for being handy more than ever, the application should be developed separately for Android/ iOS devices. Although we used React for the front-end development therefore, the UI components can be changed with less difficulty for different kinds of user experience.