

## **Name of project: Sea Lion Security**

**Project summary :** The application is intended to make the communication between the company and its customers much easier and more secure. The user enables to log-in with their own company's account, which allows them to chat with their customer freely by using this application. No need to worry that the conversation will be modified or deleted because all of the data will be encrypted and stored in the cloud by using Blockchain technology to protect it. The chat log can be saved for the legal references and prevent fraud within the company and forgery.

**Benefits for end-users :** Sometimes data in the record can be lost; you may accidentally delete an email or can not find the conversation log, and once it needed as the legal reference, you have no idea how can you get it. The application is supposed to reveal this information to the end-users. The end-user should be able to use this application through their company account. Rather than using email to communicate, they can use this application to contact to their customer and within the app the end-users should be able to attach the files same as they can do by using an email. All of the conversation and files will keep in the cloud by using Blockchain technology to protect it. This application is the instant messages app, so it can help the end-users to contact with their customer easily.

**Our Project :** Chat application for business that allows the users to communicate easily and secure with Blockchain technology that will store the chat log in the cloud.

**Business model :** The target of this application would be the company that when they do the business agreement with their customer, they can use this chat application to be another way of communication. Instead of using an email to respond to the customer, chat application is the better way for the customer to connected with a real person who immediately addresses their needs. With this app,

the customer would be able to get the responsive quickly and doesn't have to worries whether the chat log will be lost or modified. As the chat history would be kept in the cloud, the customer can review all of the orders and the conversation; this can benefit them as they can see what the deal with the company last time so they can get the same deal as well.

**Technical approach :** Upon launching the app, the user will be prompted to sign in with their company account which is the same as their company's email account . To add a person to the contact list, the users in both side must install this application, and they can search the name by typing the last name; then the list will show all of the users that install the app and the company name. This will allow them to see that is this the person who they want to contact or not, if yes, the user can add to the contact list. When someone adds the name to contact list, his/ her name will be shown on the other side as well. Through the application; the user can start their conversation by selecting who they want to chat with. They can also receive the message from the person in their contact list. Rather than the message, the user can also send the file through this chat application. Within the app, the user can request for the chat history and all the files that have been sent and received. We'll provide it by sending to their company's email account.

**Demonstrator :** if selected, we intend to develop an interface in three platforms which are web application, IOS application and Android application. The user should be able to the to chat and see all of the chat history. All of the record will be save in the cloud including the file that has been attached. To save space on the device, the user might be able to delete the chat log in their own device however the original one in the cloud won't be deleted.