**MODULES**

1. Sender
2. Receiver
3. Admin
4. cloud

**MODULE DESCRIPTION**

**Sender**

Here sender is a module, sender should register to the application then only he can able to login into the application. After successful registration he must authorized by admin then only he can able to login into his account after login he can perform some operations such as can view his profile,

Here the sender can send the message in the form of DNA Encode

Step1: select receiver and write message

Step2: convert original message to ascii code

Step3: convert ascii to hexadecimal

Step4: convert hexadecimal to binary

Step5: convert binary to DNA encode

Then send the message to receiver and can view all his messages and logout

**Receiver**

Here receiver is a module, receiver should register to the application then only he can able to login into the application. After successful registration he must authorized by admin then only he can able to login into his account after login he can perform some operations such as can view his profile,

Here the receiver can decode the encoded DNA

Step1: verify decode key

Step2: convert DNA to binary

Step2: convert binary to hexadecimal

Step3: convert hexadecimal to Ascii

Step4: convert ascii to original

Then read the message and logout

**ADMIN**

Here admin is a module can able to login directly with the application, after successful login he can perform some operations such as view all senders and authorized them, view all receivers and authorize them and logout

**CLOUD**

Here cloud is a module should login directly with the application after successful login he can perform some operations such as view original to ascii, view ascii to hexadecimal, view hexadecimal to binary, view binaty to DNA and logout.