Steps

* Goto Main\_Activity.xml and remove our previous code for the UI
* Add google button in the xml
* Goto main activity and make value name as RC\_SIGN\_IN
* Then make a Firebase Authentication value and save its instance
* Then we copy code of Configure the google sign in from firebase developer documents
* Then use code of build a google sign in client with the options specified by gso
* Set on click listener on sign in button and pass it intent
* Copy method onActivityResult from the google developer website
* Copy firebaseAuthWithGoole method front the same website
* And in the last make UI method and get data of the user and change activity
* Make new method for uploading user information on the Firebase Database after fetching from the user google profile.

Difficulties

* Unable to sign in due to unknown error
* Unable to get the default web client id
* After removing the previous data we cannot get the user that are signup in our application
* Because of not uploading data on the Firebase Database.
* We have to make a smart plan in which we don't need to implement all the functionalities from scratch but only change the code.
* Also need to change the messages method and getting current user key
* And storing into the firebase database.
* Also need to fetch the user profile images and set them on the images view. it's also a challenge fetching the google profile image.

Uploading Picture

Steps

* Drag and drop the button in to the Constraints Layout and set the Constraints
* Right click on the Drawable and make new drawable file. Change tag from selector to shape. Add new tag of solid and add color. Then make another tag named corners and add radius.
* Goto the xml file and write background=”@drawable/roundedImage”
* Goto the .kt file and write code for the picking the image
* Then also write code for is the picture is selected or not and if selected show in button
* Then make a function that make instance of the firebaseStorage and enter the folder name and filename. And add success listener for uploading the picture
* Also write a line for download the link of the picture
* Save the user Data to the Real Time database

Difficulties

* Face problem when uploading image to the firebase storage
* Face problem while creating new User onto the firebase