

## Sprint 1

Date	11 November 2022
Team ID	PNT2022TMID04092
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

Sprint 1 is about registering the new user with mail and password . Then I verification mail is sent to the user mail

### Coding :

```
package com.example.geofence;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.nfc.Tag;
import android.os.Bundle;
import android.text.TextUtils;
import android.util.Log;
import android.widget.Button;
import android.widget.TextClock;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.android.material.textfield.TextInputEditText;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;

public class RegisterActivity extends AppCompatActivity {

    TextInputEditText etRegEmail;
    TextInputEditText etRegPassword;
    TextView tvLoginHere;
    Button btnRegister;

    FirebaseAuth mAuth;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);

        etRegEmail = findViewById(R.id.etRegEmail);
        etRegPassword = findViewById(R.id.etRegPass);
        tvLoginHere = findViewById(R.id.tvLoginHere);
        btnRegister = findViewById(R.id.btnRegister);
    }
}
```

```

        mAuth = FirebaseAuth.getInstance();

        btnRegister.setOnClickListener(view ->{
            createUser();
        });

        tvLoginHere.setOnClickListener(view ->{
            startActivity(new Intent(RegisterActivity.this,
LoginActivity.class));
        });
    }

    private void createUser(){
        String email = etRegEmail.getText().toString();
        String password = etRegPassword.getText().toString();

        if (TextUtils.isEmpty(email)){
            etRegEmail.setError("Email cannot be empty");
            etRegEmail.requestFocus();
        }else if (TextUtils.isEmpty(password)){
            etRegPassword.setError("Password cannot be empty");
            etRegPassword.requestFocus();
        }else{

mAuth.createUserWithEmailAndPassword(email,password).addOnCompleteListener (
new OnCompleteListener<AuthResult>() {

            @Override

            public void onComplete(@NonNull Task<AuthResult> task)
{
                if (task.isSuccessful()){
                    FirebaseUser user =
mAuth.getInstance().getCurrentUser();

                    user.sendEmailVerification()
                        .addOnCompleteListener(new
OnCompleteListener<Void>() {

                            @Override
                            public void onComplete(@NonNull
Task<Void> task) {

                                if (task.isSuccessful()) {

Toast.makeText(RegisterActivity.this, "Verification Email sent",
Toast.LENGTH_SHORT).show();

                                    startActivity(new
Intent(RegisterActivity.this, LoginActivity.class));
                                }
                            }
                        });
                    // Toast.makeText(RegisterActivity.this, "User
registered successfully", Toast.LENGTH_SHORT).show();
                    //startActivity(new
Intent(RegisterActivity.this, LoginActivity.class));
                }else{
                    Toast.makeText(RegisterActivity.this,
"Registration Error: " + task.getException().getMessage(),
Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}


```

Output :

## Registration Page

12:08 6 45.0 76%

Geofence



Register


Email

Password

REGISTER

Already registered [Login here](#)

Verify your email for Geofence App External Inbox x



**noreply@childlogin-44537.firebaseio.com**  
to me ▾

10:55 AM (6 minutes ago) ☆ ↶ ⋮

Hello,

Follow this link to verify your email address.

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If you didn't ask to verify this address, you can ignore this email.

Thanks,

Your project-533384293988 team

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