

Sprint 1

Date	12 November 2022
Team ID	PNT2022TMID35146
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

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.setErr
                or("Email cannot be empty");
            etRegEmail.requestFocus();
        }else if
            (TextUtils.isEmpty(password)){ etRegPassword.setErr
                or("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 5 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.

https://childlogin-44537.firebaseio.com/_/auth/action?mode=verifyEmail&oobCode=ZeUqGtaPSj8KRnBUf5UfAQTrvutxM6UolgSwHrPmHAAAAGEZSZEGA&apiKey=AlzaSyCRy6rRLie9fL_id_DsXnUZirgE2mTaJ_RM&lang=en

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

Thanks,

Your project-533384293988 team

↶ Reply

↷ Forward