

Sprint 1

Date	13 November 2022
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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



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=ZeUqGtaPSj8KRnNBUf5UfAQTrvutxM6UolgSwHrPmHAAAAGEZSZEGA&apiKey=AlzaSyCRY6rRLie9f_Id_DsXnUZlrgE2mTaJ_BM&lang=en

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

Thanks,

Your project-533384293988 team

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