

## Sprint 2

Date	18 November 2022
Team ID	PNT2022TMID30906
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

Sprint 2 is about login with mail and password used for registration

### Coding :

```
package com.example.geofence;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
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;

public class LoginActivity extends AppCompatActivity {

    TextInputEditText etLoginEmail;
    TextInputEditText etLoginPassword;
    TextView tvRegisterHere;
    Button btnLogin;

    FirebaseAuth mAuth;

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

        etLoginEmail = findViewById(R.id.etLoginEmail);
        etLoginPassword = findViewById(R.id.etLoginPass);
    }
}
```

```

tvRegisterHere = findViewById(R.id.tvRegisterHere);
btnLogin = findViewById(R.id.btnLogin);

mAuth = FirebaseAuth.getInstance();

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

private void loginUser(){
    String email = etLoginEmail.getText().toString();
    String password = etLoginPassword.getText().toString();

    if
        (TextUtils.isEmpty(email)){ etLoginEmail.setErr
            or("Email cannot be empty");
            etLoginEmail.requestFocus();
        }else if
        (TextUtils.isEmpty(password)){ etLoginPassword.setErr
            or("Password cannot be empty");
            etLoginPassword.requestFocus();
        }else{

mAuth.signInWithEmailAndPassword(email,password).addOnCompleteListener
    (new OnCompleteListener<AuthResult>() {
        @Override
        public void onComplete(@NonNull Task<AuthResult> task)
        {
            if
                (task.isSuccessful()){ Toast.makeText(LoginActi
                    vity.this, "User logged
in successfully", Toast.LENGTH_SHORT).show();
                    startActivity(new Intent(LoginActivity.this,
MapsActivity.class));
                }else{
                    Toast.makeText(LoginActivity.this, "Log in
Error: " + task.getException().getMessage(),
                    Toast.LENGTH_SHORT).show(); }
            }
        }
    });
}

}
}

```

**Output :**

**Login Page**

12:26 75%

# Geofence



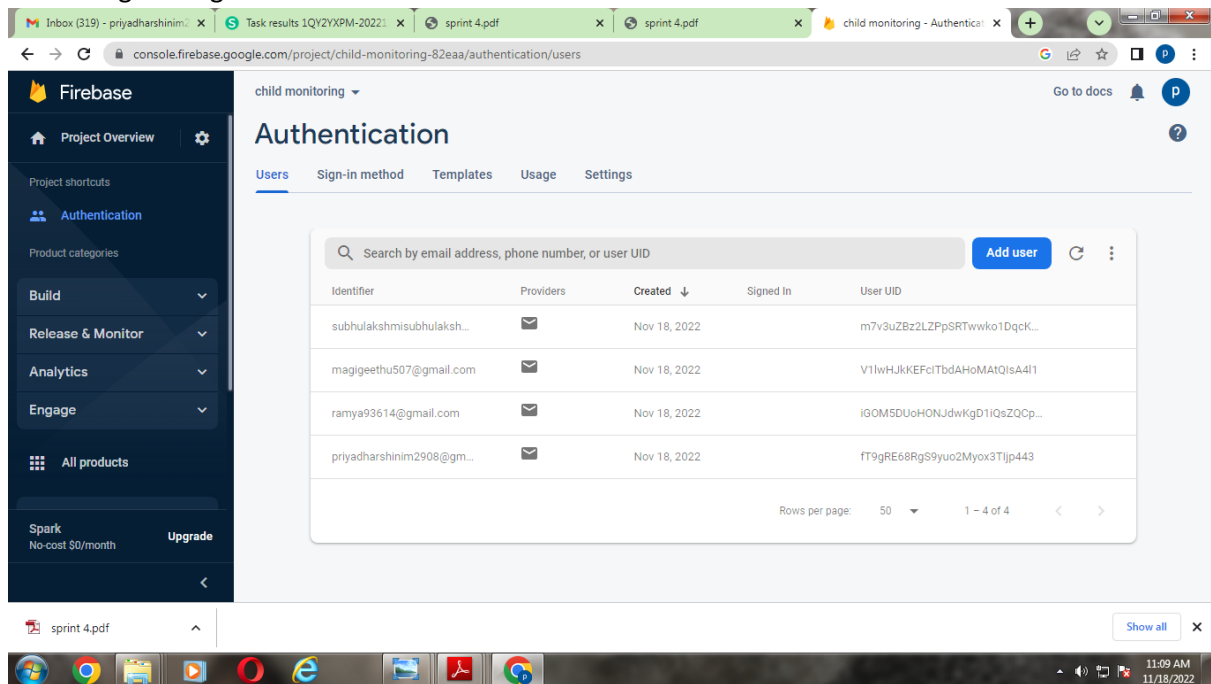
## Login

LOGIN

Not registered yet [Register here](#)

## Authentication (firebase) :

For storing the registered user details



The screenshot shows the Firebase Authentication console for a project named 'child monitoring'. The 'Users' tab is selected, displaying a table of registered users. The table has columns for Identifier, Providers, Created, Signed In, and User UID. There are four users listed, all created on Nov 18, 2022.

Identifier	Providers	Created	Signed In	User UID
subhulakshmisubhulaksh...	📧	Nov 18, 2022		m7v3uZBz2LZPpSRTwwko1DqcK...
magigeethu507@gmail.com	📧	Nov 18, 2022		V1lwHJkKEFcITbdaHoMAtoIsA4i1
ramya93614@gmail.com	📧	Nov 18, 2022		IGOM5DUoHONJdwKgD11QsZQcP...
priyadharshnim2908@gm...	📧	Nov 18, 2022		ft9gRE68RgS9yuo2Myox3Tljp443

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