

# PROJECT DEVELOPMENT PHASE

## Sprint 3

Date	16 November 2022
Team ID	PNT2022TMID14022
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

Sprint 3 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);
```

```

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

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();
}
}

```

**Output :**

## Login Page

**Geofence**



**Login**

**LOGIN**

Not registered yet **Register here**

## Authentication (firebase) :

For storing the registered user details

Project Overview

Project shortcuts

Authentication

Product categories

Build

Release & Monitor

Analytics

Engage

All products

Customize your nav!

### Authentication

Users Sign-in method Templates Usage Settings

**Add user**

Identifier	Providers	Created ↓	Signed In	User UID
logapriyaselvi@gmail.com		Nov 12, 2022		TP66qgTYeSPp0vUqE2Bwwbqo91...
satyareshma2014@gmail...		Nov 12, 2022		rbCRQPGXIXThcEmXSryT080G66I
ssubalakshmi13@gmail.co...		Nov 12, 2022		nhxFq0BrEFbBoe6TQNsMsaUFCO...
preethim157@gmail.com		Nov 12, 2022		VX4ZMJ8hOfQVUDA0EjgnjC4IQ4b2

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