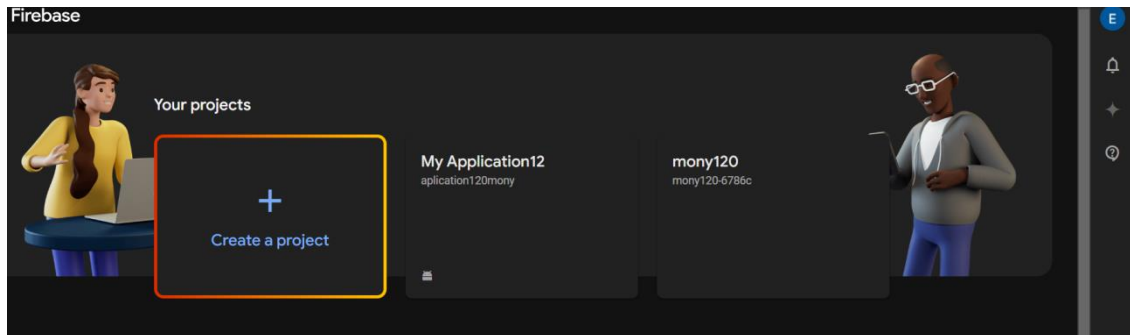


## Practice12. Solunin

Сначала надо сделать проект в Fire base



Дальше делаем макеты для входа и регистрации

Activity\_main

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:background="@color/pink">
    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:orientation="vertical"
        android:padding="15dp"
        android:paddingTop="40dp"
        android:paddingBottom="40dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintBottom_toBottomOf="parent">
        <EditText
            android:id="@+id/etSEEmailAddress"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:layout_marginTop="30dp"
            android:layout_marginRight="15dp"
            android:autofillHints="emailAddress"
            android:ems="10"
            android:hint="Почта"
            android:inputType="textEmailAddress"
            android:minHeight="48dp"
            android:textColorHint="#757575" />
        <EditText
            android:id="@+id/etSPassword"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:layout_marginTop="15dp"
            android:layout_marginRight="15dp"
            android:autofillHints="password">
```

```

        android:ems="10"
        android:hint="Пароль"
        android:inputType="textPassword"
        android:minHeight="48dp"
        android:textColorHint="#757575" />
    <EditText
        android:id="@+id/etSConfPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="15dp"
        android:layout_marginTop="15dp"
        android:layout_marginRight="15dp"
        android:autofillHints="password"
        android:ems="10"
        android:hint="Подтвердите пароль"
        android:inputType="textPassword"
        android:minHeight="48dp"
        android:textColorHint="#757575"
        tools:ignore="TextContrastCheck" />
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/btnSSigned"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="15dp"
        android:background="@color/button"
        android:text="Регистрация" />
    <TextView
        android:id="@+id/tvRedirectLogin"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center_horizontal"
        android:layout_margin="10dp"
        android:text="Уже есть аккаунт!"
        android:textColor="#18206F"
        android:textSize="16sp" />
</LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

## Activity\_login

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".LoginActivity"
    android:background="@color/pink">
    <LinearLayout
        android:id="@+id/linearLayout"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:orientation="vertical"
        android:padding="15dp"
        android:paddingTop="40dp"
        android:paddingBottom="40dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintBottom_toBottomOf="parent">

```

```

<EditText
    android:id="@+id/etEmailAddress"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="30dp"
    android:layout_marginRight="15dp"
    android:autofillHints="emailAddress"
    android:ems="10"
    android:hint="Почта"
    android:inputType="textEmailAddress"
    android:minHeight="48dp"
    android:textColorHint="#757575" />

<EditText
    android:id="@+id/etPassword"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="15dp"
    android:layout_marginRight="15dp"
    android:autofillHints="password"
    android:ems="10"
    android:hint="Пароль"
    android:inputType="textPassword"
    android:minHeight="48dp"
    android:textColorHint="#757575" />

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/btnLogin"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="15dp"
    android:background="@color/button"
    android:text="Войти" />

<TextView
    android:id="@+id/tvRedirectSignUp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center_horizontal"
    android:layout_margin="10dp"
    android:text="У меня нет аккаунта. Нужна регистрация!"
    android:textColor="#18206F"
    android:textSize="16sp" />
</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

```

## MainActivity

```

package com.example.myapplication12

import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.TextView
import android.widget.Toast
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
import com.google.firebase.auth.FirebaseAuth
import com.google.firebase.auth.ktx.auth
import com.google.firebase.ktx.Firebase

class MainActivity : AppCompatActivity() {

```

```

lateinit var etEmail: EditText
lateinit var etConfPass: EditText
private lateinit var etPass: EditText
private lateinit var btnSignUp: Button
lateinit var tvRedirectLogin: TextView

private lateinit var auth: FirebaseAuth
override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    enableEdgeToEdge()
    setContentView(R.layout.activity_main)
    ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) {
        v, insets ->
        val systemBars =
            insets.getInsets(WindowInsetsCompat.Type.systemBars())
        v.setPadding(systemBars.left, systemBars.top, systemBars.right,
            systemBars.bottom)
        insets
    }

    etEmail = findViewById(R.id.etSEmailAddress)
    etConfPass = findViewById(R.id.etSConfPassword)
    etPass = findViewById(R.id.etSPassword)
    btnSignUp = findViewById(R.id.btnSSigned)
    tvRedirectLogin = findViewById(R.id.tvRedirectLogin)

    auth = FirebaseAuth
    btnSignUp.setOnClickListener {
        singUpUser()
    }

    tvRedirectLogin.setOnClickListener{
        intent = Intent(this, LoginActivity::class.java)
        startActivity(intent)
    }
}
private fun singUpUser() {

    val email = etEmail.text.toString()
    val pass = etPass.text.toString()
    val confPass = etConfPass.text.toString()

    if (email.isBlank() || pass.isBlank() || confPass.isBlank()) {
        Toast.makeText(this, "Почта и пароль не должны пустовать!",
            Toast.LENGTH_SHORT).show()
        return
    }

    if (pass != confPass) {
        Toast.makeText(this, "Пароли не совпадают", Toast.LENGTH_SHORT)
            .show()
        return
    }

    auth.createUserWithEmailAndPassword(email, pass).addOnCompleteListener(this) {
        if (it.isSuccessful) {
            Toast.makeText(this, "Регистрация
успешна", Toast.LENGTH_SHORT).show()
            intent = Intent(this, MainActivity::class.java)
            startActivity(intent)
        } else {

```

```

        Toast.makeText(this, "Ошибка
регистрации", Toast.LENGTH_SHORT).show()
    }
}
}
}
}

```

## LoginActivity

```

package com.example.myapplication12

import android.annotation.SuppressLint
import android.content.Intent
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.TextView
import android.widget.Toast
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
import com.google.firebase.auth.FirebaseAuth

class LoginActivity : AppCompatActivity() {
    private lateinit var tvRedirectSignUp: TextView
    lateinit var etEmail: EditText
    private lateinit var etPass: EditText
    lateinit var btnLogin: Button
    lateinit var auth: FirebaseAuth
    @SuppressLint("MissingInflatedId")
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_login)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) {
            v, insets ->
            val systemBars =
                insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
                systemBars.bottom)
            insets
        }
        tvRedirectSignUp = findViewById(R.id.tvRedirectSignUp)
        btnLogin = findViewById(R.id.btnLogin)
        etEmail = findViewById(R.id.etEmailAddress)
        etPass = findViewById(R.id.etPassword)
        auth = FirebaseAuth.getInstance()

        btnLogin.setOnClickListener {
            login()
        }
        tvRedirectSignUp.setOnClickListener {
            val intent = Intent(this, MainActivity::class.java)
            startActivity(intent)
        }
    }
    private fun login() {
        val email = etEmail.text.toString()
        val pass = etPass.text.toString()

        auth.signInWithEmailAndPassword(email, pass).addOnCompleteListener(this) {

```

```

        if (it.isSuccessful) {
            Toast.makeText(this, "Вход успешен!",
                Toast.LENGTH_SHORT).show()
            intent = Intent(this, HomeActivity::class.java)
            startActivity(intent)
        } else
            Toast.makeText(this, "Ошибка входа ",
                Toast.LENGTH_SHORT).show()
    }
}
}

```

activity\_home

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".HomeActivity">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Вы успешно вошли!"
        android:textSize="50sp"
        android:textColor="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

Result

К сожалению у меня какая то ошибка входа, но так все работает

