Практика 12


```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/
    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">
    <ImageView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#E8FF97"/>
    <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_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="1.0">
        <EditText
            android:id="@+id/pochta"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:layout_marginTop="30dp"
```

```xml
            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="#7CAF00"
            android:text="РЕГИСТРАЦИЯ"
            android:textSize="16sp" />

        <TextView
            android:id="@+id/tvRedirectRegistration"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:gravity="center_horizontal"
            android:text="Уже есть аккаунт!"
            android:textColor="#18206F"
            android:textSize="16sp" />

    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

```xml
            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:textSize="16sp"
            android:background="#7CAF00"
            android:text="ВХОД" />
        <TextView
            android:id="@+id/tvRedirectRegistration"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:focusable="true"
            android:gravity="center_horizontal"
            android:layout_margin="10dp"
            android:clickable="true"
            android:text="Нет аккаунта?"
            android:textColor="#18206F"
            android:textSize="16sp" />
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

```kotlin
15
16      class LoginActivity : AppCompatActivity() {
17          private lateinit var tvRedirectSignUp: TextView
18          lateinit var etEmail: EditText
19          private lateinit var etPass: EditText
20          lateinit var btnLogin: Button
21          lateinit var auth: FirebaseAuth
22          @SuppressLint("MissingInflatedId")
23          override fun onCreate(savedInstanceState: Bundle?) {
24              super.onCreate(savedInstanceState)
25              enableEdgeToEdge()
26              setContentView(R.layout.activity_login)
27              tvRedirectSignUp = findViewById(R.id.btnSSigned)
28              btnLogin = findViewById(R.id.btnLogin)
29              etEmail = findViewById(R.id.pochta)
30              etPass = findViewById(R.id.etSPassword)
31              auth = FirebaseAuth.getInstance()
32              btnLogin.setOnClickListener {
33                  login()
34              }
35              tvRedirectSignUp.setOnClickListener {
36                  val intent = Intent( packageContext: this, RegistrationActivity::class.java)
37                  startActivity(intent)
38              }
39          }
40          private fun login() {
41              val email = etEmail.text.toString()
42              val pass = etPass.text.toString()
43              auth.signInWithEmailAndPassword(email,pass).addOnCompleteListener(this){
44                  if (it.isSuccessful) {
45                      Toast.makeText( context: this, text: "Вход успешен!", Toast.LENGTH_SHORT).show()
46                      val newIntent = Intent( packageContext: this, HomeActivity::class.java)
47                      startActivity(newIntent)
48                  } else
49                      Toast.makeText( context: this, text: "Ошибка входа ", Toast.LENGTH_SHORT).show()
50              }
51          }
52      }
53
```

```kotlin
15
16 ▷ </>  class RegistrationActivity : AppCompatActivity() {
17         lateinit var etEmail: EditText
18         lateinit var etConfPass: EditText
19         private lateinit var etPass: EditText
20         private lateinit var btnSignUp: Button
21         lateinit var tvRedirect: TextView
22
23         private lateinit var auth: FirebaseAuth
24         @SuppressLint("MissingInflatedId")
25  🔵    override fun onCreate(savedInstanceState: Bundle?) {
26            super.onCreate(savedInstanceState)
27            enableEdgeToEdge()
28            setContentView(R.layout.activity_main)
29            etEmail = findViewById(R.id.etSEmailAddress)
30            etConfPass = findViewById(R.id.etSConfPassword)
31            etPass = findViewById(R.id.etSPassword)
32            btnSignUp = findViewById(R.id.btnSSigned)
33            tvRedirect = findViewById(R.id.tvRedirectRegistration)
34            auth = Firebase.auth
35            btnSignUp.setOnClickListener {
36                singUpUser()
37            }
38            tvRedirect.setOnClickListener {
39                intent = Intent( packageContext: this, LoginActivity::class.java)
40                startActivity(intent)
41            }
42        }
43
44        private fun singUpUser() {
45            val email = etEmail.text.toString()
46            val pass = etPass.text.toString()
47            val confPass = etConfPass.text.toString()
48            if (email.isBlank() || pass.isBlank() || confPass.isBlank()) {
49                Toast.makeText(
50                    context: this, text: "Почта и пароль не могут быть пустыми",
51                    Toast.LENGTH_SHORT
52                ).show()
53                return
54            }
55            if (pass != confPass) {
56                Toast.makeText( context: this, text: "Пароль и пароль подтверждения не совпадают", Toast.LENGTH_SHORT)
57                    .show()
58                return
59            }
60
61            auth.createUserWithEmailAndPassword(email, pass).addOnCompleteListener(this) {
62                if (it.isSuccessful) {
63                    Toast.makeText( context: this, text: "Регистрация успешна", Toast.LENGTH_SHORT).show()
64                    intent = Intent( packageContext: this, HomeActivity::class.java)
65                    startActivity(intent)
66                } else {
67                    Toast.makeText( context: this, text: "Ошибка регистрации", Toast.LENGTH_SHORT).show()
68                }
69            }
70        }
71    }
```

Почта

Пароль

ВХОД

Нет аккаунта?

Почта

Пароль

Подтвердите пароль

РЕГИСТРАЦИЯ

Уже есть аккаунт?