

Практическая 12 Кирюшкин Артём ИС221

```
<?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">
    <ImageView
        android:layout_width="417dp"
        android:layout_height="736dp"
        android:background="#DDA0DD" />
    <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/etSEmailAddress"
            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="Подтверждение пароля"
            android:inputType="textPassword"
            android:minHeight="48dp"
            android:textColorHint="#757575" />
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
activity_main.xml x activity_login.xml LoginActive.kt strings.xml MainActivity.kt Home.kt
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
13 <LinearLayout
54 <EditText
60 android:layout_marginRight="15dp"
61 android:autofillHints="password"
62 android:ems="10"
63 android:hint="Подтвердите пароль"
64 android:inputType="textPassword"
65 android:minHeight="48dp"
66 android:textColorHint="#757575"
67 tools:ignore="TextContrastCheck" />
68
69 <androidx.appcompat.widget.AppCompatButton
70 android:id="@+id/btnSSigned"
71 android:layout_width="match_parent"
72 android:layout_height="wrap_content"
73 android:layout_margin="15dp"
74 android:background="#9400D3"
75 android:text="РЕГИСТРАЦИЯ"
76 android:textSize="16sp" />
77
78 <TextView
79 android:id="@+id/tvRedirectRegistration"
80 android:layout_width="match_parent"
81 android:layout_height="wrap_content"
82 android:layout_margin="10dp"
83 android:gravity="center_horizontal"
84 android:text="Уже есть аккаунт!"
85 android:textColor="#18206F"
86 android:textSize="16sp" />
87
88 </LinearLayout>
89 </androidx.constraintlayout.widget.ConstraintLayout>
90
91
```

```
activity_main.xml activity_login.xml x LoginActive.kt strings.xml MainActivity.kt Home.kt
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout
3 xmlns:android="http://schemas.android.com/apk/res/android"
4 xmlns:app="http://schemas.android.com/apk/res-auto"
5 xmlns:tools="http://schemas.android.com/tools"
6 android:id="@+id/main"
7 android:layout_width="match_parent"
8 android:layout_height="match_parent"
9 tools:context=".LoginActivity">
10 <ImageView
11 android:layout_width="417dp"
12 android:layout_height="736dp"
13 android:background="#DDA0DD" />
14
15 <LinearLayout
16 android:id="@+id/linearLayout"
17 android:layout_width="0dp"
18 android:layout_height="0dp"
19 android:orientation="vertical"
20 android:padding="15dp"
21 android:paddingTop="40dp"
22 android:paddingBottom="40dp"
23 app:layout_constraintEnd_toEndOf="parent"
24 app:layout_constraintStart_toStartOf="parent"
25 app:layout_constraintTop_toTopOf="parent"
26 app:layout_constraintBottom_toBottomOf="parent">
27 <EditText
28 android:id="@+id/etEmailAddress"
29 android:layout_width="match_parent"
30 android:layout_height="wrap_content"
31 android:layout_marginLeft="15dp"
```

```
activity_main.xml activity_login.xml x LoginActive.kt strings.xml MainActivity.kt Home.kt
2 <androidx.constraintlayout.widget.ConstraintLayout
15 <LinearLayout
27 <EditText
32 android:layout_marginTop="30dp"
33 android:layout_marginRight="15dp"
34 android:autofillHints="emailAddress"
35 android:ems="10"
36 android:hint="Почта"
37 android:inputType="textEmailAddress"
38 android:minHeight="48dp"
39 android:textColorHint="#757575" />
40 <EditText
41 android:id="@+id/etPassword"
42 android:layout_width="match_parent"
43 android:layout_height="wrap_content"
44 android:layout_marginLeft="15dp"
45 android:layout_marginTop="15dp"
46 android:layout_marginRight="15dp"
47 android:autofillHints="password"
48 android:ems="10"
49 android:hint="Пароль"
50 android:inputType="textPassword"
51 android:minHeight="48dp"
52 android:textColorHint="#757575" />
53 <androidx.appcompat.widget.AppCompatButton
54 android:id="@+id/btnLogin"
55 android:layout_width="match_parent"
56 android:layout_height="wrap_content"
57 android:layout_margin="15dp"
58 android:textSize="16sp"
59 android:background="#9400D3"
60 android:text="ВХОД" />
61 <TextView
62 android:id="@+id/tvRedirectLogin"
63 android:layout_width="match_parent"
64 android:layout_height="wrap_content"
65 android:focusable="true"
66 android:gravity="center_horizontal"
67 android:layout_margin="10dp"
68 android:clickable="true"
69 android:text="@string/reg"
70 android:textColor="#18206F"
71 android:textSize="16sp" />
72 </LinearLayout>
73 </androidx.constraintlayout.widget.ConstraintLayout>
```

```
activity_main.xml activity_login.xml LoginActive.kt strings.xml x MainActivity.kt Home.kt
Edit translations for all locales in the translations editor.
1 <resources>
2 <string name="app_name">Practice12</string>
3 <string name="registration">РЕГИСТРАЦИЯ</string>
4 <string name="accountexist">Уже есть аккаунт!</string>
5 <string name="reg">Нет аккаунта? Нужна регистрация!</string>
6 </resources>
```

```
activity_main.xml activity_login.xml LoginActive.kt strings.xml MainActivity.kt Home.kt
1 package com.example.practice12
2
3 > import ...
12
13 class LoginActive : AppCompatActivity() {
14     private lateinit var tvRedirectSignUp: TextView
15     lateinit var etEmail: EditText
16     private lateinit var etPass: EditText
17     lateinit var btnLogin: Button
18     lateinit var auth: FirebaseAuth
19     override fun onCreate(savedInstanceState: Bundle?) {
20         super.onCreate(savedInstanceState)
21         enableEdgeToEdge()
22         setContentView(R.layout.activity_login)
23         tvRedirectSignUp = findViewById(R.id.tvRedirectLogin)
24         btnLogin = findViewById(R.id.btnLogin)
25         etEmail = findViewById(R.id.etEmailAddress)
26         etPass = findViewById(R.id.etPassword)
27         auth = FirebaseAuth.getInstance()
28         btnLogin.setOnClickListener {
29             login()
30         }
31         tvRedirectSignUp.setOnClickListener {
32             val intent = Intent( packageContext: this, MainActivity::class.java)
33             startActivity(intent)
34         }
35     }
36     private fun login() {
37         val email = etEmail.text.toString()
38         val pass = etPass.text.toString()
39         auth.signInWithEmailAndPassword(email, pass).addOnCompleteListener(this) {
40             if (it.isSuccessful) {
41                 Toast.makeText( context: this, text: "Вход успешен!", Toast.LENGTH_SHORT).show()
42                 val newIntent = Intent( packageContext: this, Home::class.java)
43                 startActivity(newIntent)
44             } else
45                 Toast.makeText( context: this, text: "Ошибка входа ", Toast.LENGTH_SHORT).show()
46             }
47     }
48 }
```

```
activity_main.xml activity_login.xml LoginActive.kt strings.xml MainActivity.kt Home.kt
1 package com.example.practice12
2
3 > import ...
16
17 class MainActivity : AppCompatActivity() {
18     lateinit var etEmail: EditText
19     lateinit var etConfPass: EditText
20     private lateinit var etPass: EditText
21     private lateinit var btnSignUp: Button
22     lateinit var tvRedirect: TextView
23
24     private lateinit var auth: FirebaseAuth
25     override fun onCreate(savedInstanceState: Bundle?) {
26         super.onCreate(savedInstanceState)
27         enableEdgeToEdge()
28         setContentView(R.layout.activity_main)
29         etEmail = findViewById(R.id.etEmailAddress)
30         etConfPass = findViewById(R.id.etSConfPassword)
31         etPass = findViewById(R.id.etSPassword)
32         btnSignUp = findViewById(R.id.btnSigned)
33         tvRedirect = findViewById(R.id.tvRedirectRegistration)
34         auth = FirebaseAuth
35         btnSignUp.setOnClickListener {
36             singUpUser()
37         }
38         tvRedirect.setOnClickListener {
39             intent = Intent( packageContext: this, LoginActivity::class.java)
40             startActivity(intent)
41         }
42     }
43 }
```

```
<? activity_main.xml    <? activity_login.xml    LoginActive.kt    <? strings.xml    MainActivity.kt    Home.kt

17      class MainActivity : AppCompatActivity() {
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, Home::class.java)
65                      startActivity(intent)
66                  } else {
67                      Toast.makeText(context: this, text: "Ошибка регистрации", Toast.LENGTH_SHORT).show()
68                  }
69              }
70          }
71      }
```



