

activity\_main.xml
MainActivity.java
activity\_home.xml
HomeActivity.kt
activity\_login.xml

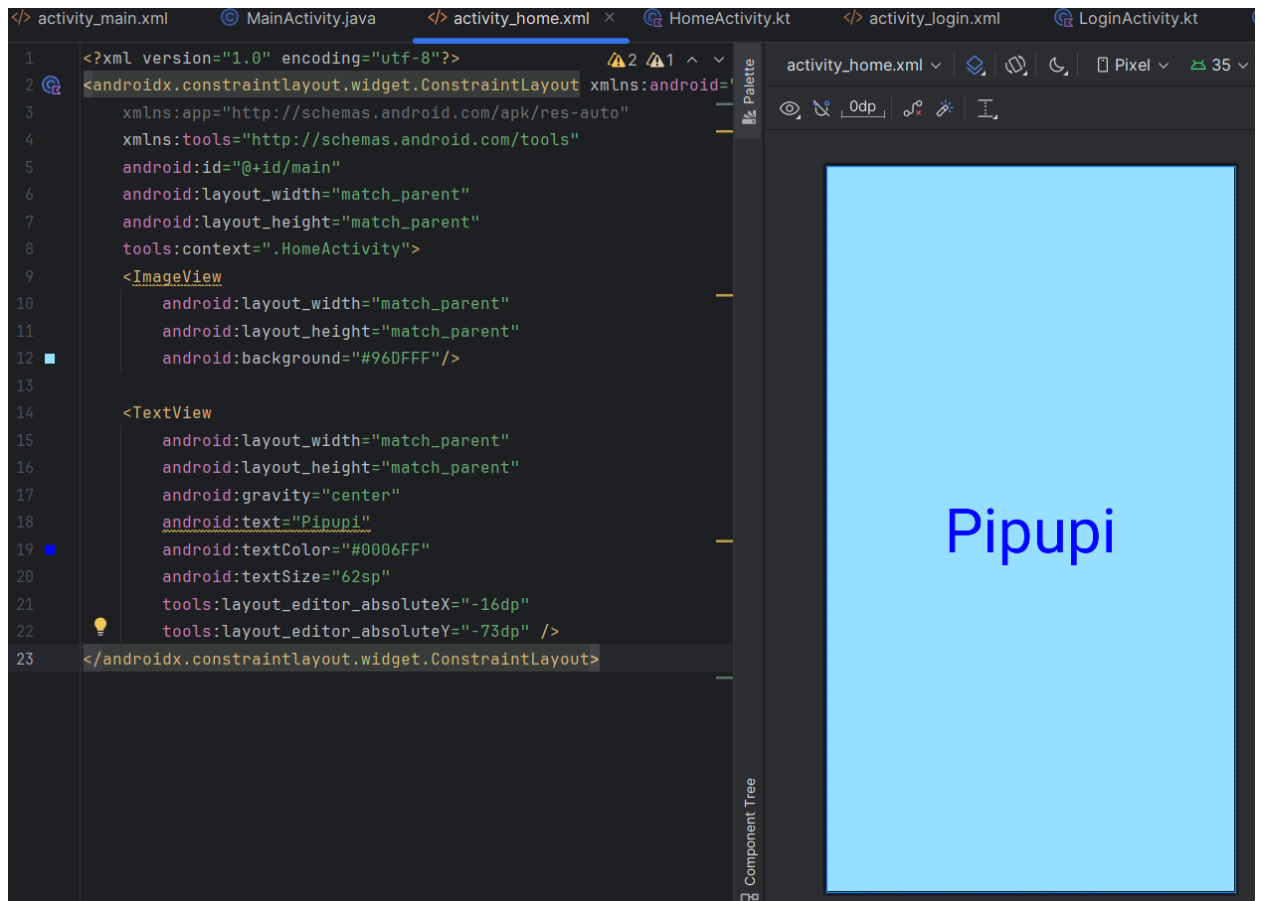
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<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:id="@+id/main"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

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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/etSPassword"
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
54     <EditText
55         android:id="@+id/etSConfPassword"
56         android:layout_width="match_parent"
57         android:layout_height="wrap_content"
58         android:layout_marginLeft="15dp"
59         android:layout_marginTop="15dp"
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="#7CAF00"
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>

```



```
activity_main.xml MainActivity.java activity_home.xml HomeActivity.kt activity_login.xml
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:id="@+id/main"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".LoginActivity">
9     <ImageView
10         android:layout_width="match_parent"
11         android:layout_height="match_parent"
12         android:background="#E8FF97"/>
13     <LinearLayout
14         android:id="@+id/linearLayout"
15         android:layout_width="0dp"
16         android:layout_height="0dp"
17         android:orientation="vertical"
18         android:padding="15dp"
19         android:paddingTop="40dp"
20         android:paddingBottom="40dp"
21         app:layout_constraintEnd_toEndOf="parent"
22         app:layout_constraintStart_toStartOf="parent"
23         app:layout_constraintTop_toTopOf="parent"
24         app:layout_constraintBottom_toBottomOf="parent">
25         <EditText
26             android:id="@+id/etEmailAddress"
27             android:layout_width="match_parent"
28             android:layout_height="wrap_content"
29             android:layout_marginLeft="15dp"
30             android:layout_marginTop="30dp"
31             android:layout_marginRight="15dp"
32             android:autofillHints="emailAddress"
```

```

33         android:ems="10"
34         android:hint="Почта"
35         android:inputType="textEmailAddress"
36         android:minHeight="48dp"
37         android:textColorHint="#757575" />
38     <EditText
39         android:id="@+id/etPassword"
40         android:layout_width="match_parent"
41         android:layout_height="wrap_content"
42         android:layout_marginLeft="15dp"
43         android:layout_marginTop="15dp"
44         android:layout_marginRight="15dp"
45         android:autofillHints="password"
46         android:ems="10"
47         android:hint="Пароль"
48         android:inputType="textPassword"
49         android:minHeight="48dp"
50         android:textColorHint="#757575" />
51     <androidx.appcompat.widget.AppCompatButton
52         android:id="@+id/btnLogin"
53         android:layout_width="match_parent"
54         android:layout_height="wrap_content"
55         android:layout_margin="15dp"
56         android:textSize="16sp"
57         android:background="#7CAF00"
58         android:text="ВХОД" />
59     <TextView
60         android:id="@+id/tvRedirectRegistration"
61         android:layout_width="match_parent"
62         android:layout_height="wrap_content"
63         android:focusable="true"
64         android:gravity="center_horizontal"
65         android:layout_margin="10dp"
66         android:clickable="true"
67         android:text="Нет аккаунта?"
68         android:textColor="#18206F"
69         android:textSize="16sp" />
70 </LinearLayout>
71 </androidx.constraintlayout.widget.ConstraintLayout>

```

</> activity\_main.xml

MainActivity.java

</> activity\_home.xml

HomeActivity.kt

</> activity\_login.xml

Log

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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
    @SuppressWarnings("MissingInflatedId")
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_login)
        tvRedirectSignUp = findViewById(R.id.btnSSigned)
        btnLogin = findViewById(R.id.btnLogin)
        etEmail = findViewById(R.id.pochta)
        etPass = findViewById(R.id.etSPassword)
        auth = FirebaseAuth.getInstance()
        btnLogin.setOnClickListener {
            login()
        }
        tvRedirectSignUp.setOnClickListener {
            val intent = Intent( packageContext: this, RegistrationActivity::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( context: this, text: "Вход успешен!", Toast.LENGTH_SHORT).show()
                val newIntent = Intent( packageContext: this, HomeActivity::class.java)
                startActivity(newIntent)
            } else
                Toast.makeText( context: this, text: "Ошибка входа ", Toast.LENGTH_SHORT).show()
        }
    }
}

```

```

</> activity_login.xml  LoginActivity.kt  </> strings.xml  RegistrationActivity.kt x
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 = FirebaseAuth
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 }

```