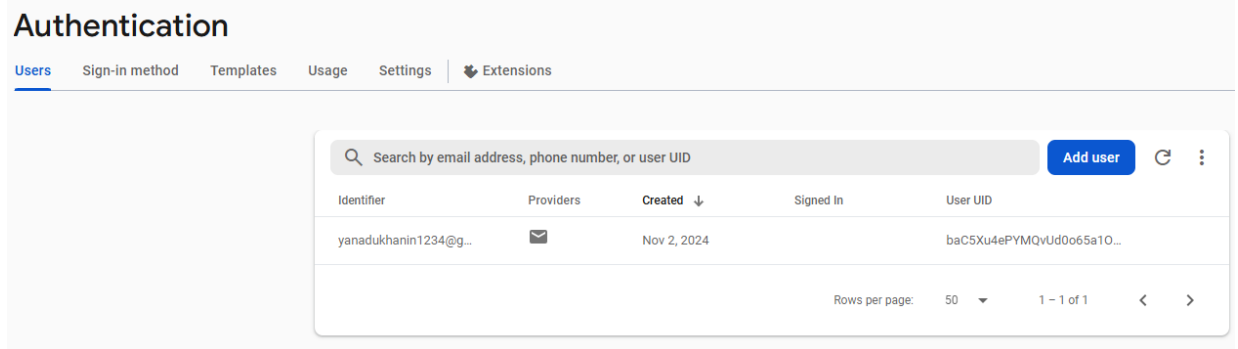


Практическая работа 12. Духаниной Яна ИС222

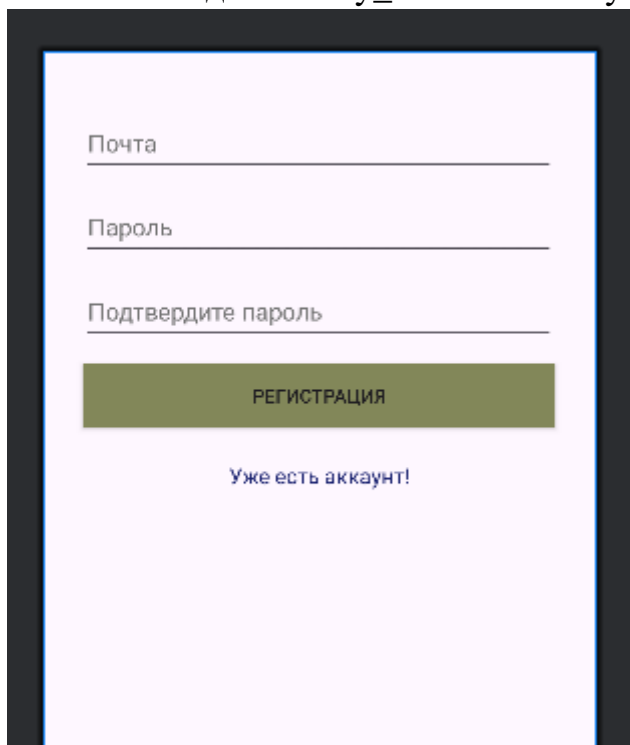
1. Перешла на сайт, выполнила необходимое



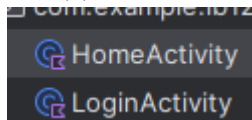
2. Подключилась и добавила библиотеки

```
dependencies {  
  
    implementation(libs.androidx.core.ktx)  
    implementation(libs.androidx.appcompat)  
    implementation(libs.material)  
    implementation(libs.androidx.activity)  
    implementation(libs.androidx.constraintlayout)  
    implementation(libs.firebase.auth)  
    testImplementation(libs.junit)  
    androidTestImplementation(libs.androidx.junit)  
    androidTestImplementation(libs.androidx.espresso.core)  
}
```

3. Написала код в activity_main.xml. Результат:



4. Создала 2 активности



5. В Activity_login.xml написала код

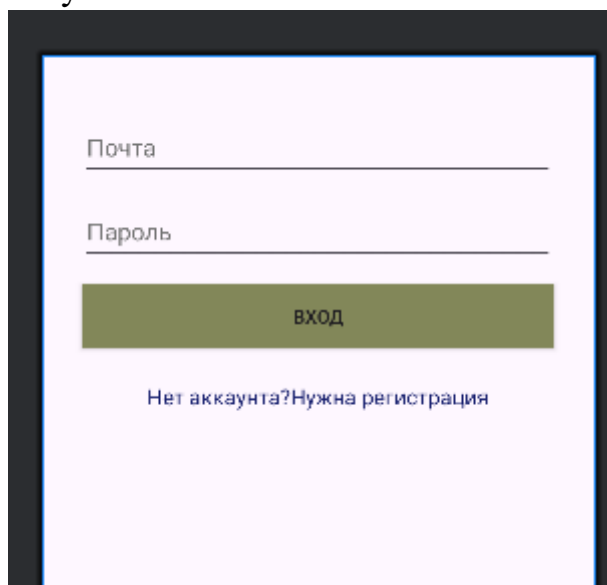
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".LoginActivity">
    <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="#828759"
            android:text="Вход" />
        <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="Нет аккаунта?Нужна регистрация"
            android:textColor="#18206F"
            android:textSize="16sp" />

```

6. Результат:



7. В LoginActivity написала код

```

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

```

8. Результат:

The screenshot shows a dark-themed user interface for a login or registration screen. It features three input fields with light blue borders and labels in Russian: 'Почта' (Email), 'Пароль' (Password), and 'Подтвердите пароль' (Confirm password). Below these fields is a large, solid olive-green button with the text 'РЕГИСТРАЦИЯ' (Registration) in white capital letters. At the bottom of the screen, there is a link in blue text that says 'Уже есть аккаунт!' (Already have an account!).

Почта

Пароль

ВХОД

Нет аккаунта?Нужна регистрация

yanadukhanin1234@gmail.com

.....

ВХОД

Нет аккаунта?Нужна регистрация

