activity\_auth.xml (в папке layout)

<?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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".AuthActivity">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#FF69B4"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/link\_to\_auth"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="@font/inter\_bold"  
 android:textColor="#0000FF"  
 android:layout\_gravity="center"  
 android:gravity="center\_horizontal"  
 android:layout\_marginTop="150dp"  
 android:textSize="40sp"  
 android:textStyle="bold"  
 android:text="Войдите в аккаунт" />  
  
 <EditText  
 android:id="@+id/user\_login\_auth"  
 android:layout\_width="260dp"  
 android:layout\_height="50dp"  
 android:ems="10"  
 android:inputType="text"  
 android:hint="Введите логин"  
 android:textColorHint="#A52A2A"  
 android:layout\_marginTop="35dp"  
 android:layout\_gravity="center"  
 android:textColor="#0000FF"  
 />  
  
 <EditText  
 android:id="@+id/user\_pass\_auth"  
 android:layout\_width="260dp"  
 android:layout\_height="56dp"  
 android:ems="10"  
 android:inputType="textPassword"  
 android:hint="Введите пароль"  
 android:textColorHint="#A52A2A"  
 android:layout\_marginTop="20dp"  
 android:layout\_gravity="center"  
 android:textColor="#0000FF"  
 />  
  
 <Button  
 android:id="@+id/button\_auth"  
 android:layout\_width="280dp"  
 android:layout\_height="wrap\_content"  
 android:text="Войти"  
 android:textStyle="bold"  
 android:textSize="20sp"  
 android:textColor="#F0E68C"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="25dp"  
 android:backgroundTint="#0000FF"  
 />  
  
 <TextView  
 android:id="@+id/link\_to\_reg"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="75dp"  
 android:fontFamily="@font/inter"  
 android:gravity="center\_horizontal"  
 android:text="Зарегистрироваться"  
 android:textColor="#0000FF"  
 android:textSize="15sp" />  
 </LinearLayout>  
</androidx.constraintlayout.widget.ConstraintLayout>

activity\_item.xml (в папке layout)

<?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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".ItemActivity">  
  
 <LinearLayout  
 android:id="@+id/linearLayout"  
 android:layout\_width="409dp"  
 android:layout\_height="729dp"  
 android:background="#FF69B4"  
 android:orientation="vertical"  
 tools:layout\_editor\_absoluteX="1dp"  
 tools:layout\_editor\_absoluteY="1dp">  
  
 <TextView  
 android:id="@+id/item\_list\_title\_one"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="45dp"  
 android:fontFamily="@font/inter\_bold"  
 android:gravity="center\_horizontal"  
 android:text="Товары"  
 android:textColor="#0000FF"  
 android:textSize="40sp"  
 android:textStyle="bold" />  
  
 <TextView  
 android:id="@+id/item\_list\_text"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="end"  
 android:paddingHorizontal="30dp"  
 android:paddingVertical="20dp"  
 android:text="TextView"  
 android:textSize="18sp"  
 android:textStyle="bold" />  
  
 <Button  
 android:id="@+id/button\_buy"  
 android:layout\_width="205dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:backgroundTint="#0000FF"  
 android:text="Купить"  
 android:textColor="#F0E68C" />  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/itemsList"  
 android:layout\_width="350dp"  
 android:layout\_height="393dp"  
 android:layout\_marginHorizontal="25dp"  
 android:layout\_marginVertical="35dp" />  
 </LinearLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

activity\_items.xml (в папке layout)

<?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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".ItemsActivity">  
  
 <LinearLayout  
 android:layout\_width="409dp"  
 android:layout\_height="729dp"  
 android:orientation="vertical"  
 tools:layout\_editor\_absoluteX="1dp"  
 tools:layout\_editor\_absoluteY="1dp"  
 android:background="#FF69B4">  
 <TextView  
 android:id="@+id/item\_list\_title\_one"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="45dp"  
 android:fontFamily="@font/inter\_bold"  
 android:gravity="center\_horizontal"  
 android:text="Товары"  
 android:textColor="#0000FF"  
 android:textSize="40sp"  
 android:textStyle="bold" />  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/itemsList"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginHorizontal="25dp"  
 android:layout\_marginVertical="35dp"  
 />  
  
  
 </LinearLayout>  
</androidx.constraintlayout.widget.ConstraintLayout>

activity\_main.xml (в папке layout)

<?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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#FF69B4"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/link\_to\_reg"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="@font/inter\_bold"  
 android:textColor="#0000FF"  
 android:layout\_gravity="center"  
 android:gravity="center\_horizontal"  
 android:layout\_marginTop="60dp"  
 android:textSize="40sp"  
 android:textStyle="bold"  
 android:text="Создание аккаунта" />  
  
 <EditText  
 android:id="@+id/user\_login"  
 android:layout\_width="260dp"  
 android:layout\_height="50dp"  
 android:ems="10"  
 android:inputType="text"  
 android:hint="Введите логин"  
 android:textColorHint="#A52A2A"  
 android:layout\_marginTop="15dp"  
 android:layout\_gravity="center"  
 android:textColor="#0000FF"  
 />  
  
 <EditText  
 android:id="@+id/user\_email"  
 android:layout\_width="260dp"  
 android:layout\_height="50dp"  
 android:ems="10"  
 android:inputType="textWebEmailAddress"  
 android:hint="Введите email"  
 android:textColorHint="#A52A2A"  
 android:layout\_marginTop="15dp"  
 android:layout\_gravity="center"  
 android:textColor="#0000FF"  
 />  
  
 <EditText  
 android:id="@+id/user\_pass"  
 android:layout\_width="260dp"  
 android:layout\_height="56dp"  
 android:ems="10"  
 android:inputType="textPassword"  
 android:hint="Введите пароль"  
 android:textColorHint="#A52A2A"  
 android:layout\_marginTop="15dp"  
 android:layout\_gravity="center"  
 android:textColor="#0000FF"  
 />  
  
 <Button  
 android:id="@+id/button\_reg"  
 android:layout\_width="280dp"  
 android:layout\_height="wrap\_content"  
 android:text="Регистрация"  
 android:textStyle="bold"  
 android:textSize="20sp"  
 android:textColor="#F0E68C"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="14dp"  
 android:backgroundTint="#0000FF"  
 />  
  
 <TextView  
 android:id="@+id/link\_to\_auth"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="75dp"  
 android:fontFamily="@font/inter"  
 android:gravity="center\_horizontal"  
 android:text="Авторизация"  
 android:textColor="#0000FF"  
 android:textSize="15sp" />  
 </LinearLayout>  
</androidx.constraintlayout.widget.ConstraintLayout>

item\_in\_list.xml (в папке layout)

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="#FF69B4"  
 android:layout\_marginBottom="25dp"  
 android:paddingBottom="25dp"  
 >  
  
 <ImageView  
 android:id="@+id/item\_list\_image"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="200dp"  
 android:scaleType="centerCrop"  
 app:srcCompat="@drawable/logo"  
  
 />  
  
 <TextView  
 android:id="@+id/item\_list\_title"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:paddingHorizontal="30dp"  
 android:paddingVertical="20dp"  
 android:text="TextView"  
 android:textStyle="bold"  
 android:textSize="20sp"/>  
  
 <TextView  
 android:id="@+id/item\_list\_desc"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:paddingHorizontal="30dp"  
 android:paddingVertical="20dp"  
 android:text="TextView"  
 android:textSize="18sp"  
 />  
  
 <TextView  
 android:id="@+id/item\_list\_price"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:paddingHorizontal="30dp"  
 android:paddingVertical="20dp"  
 android:text="TextView"  
 android:gravity="end"  
 android:textStyle="bold"  
 android:textSize="18sp"  
 />  
  
 <Button  
 android:id="@+id/item\_list\_button"  
 android:layout\_width="250dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:textColor="#F0E68C"  
 android:backgroundTint="#0000FF"  
 android:text="Посмотреть"  
 android:layout\_marginBottom="25dp"  
 />  
</LinearLayout>

AuthActivity.kt

package com.example.lb1  
  
import android.content.Intent  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.widget.Button  
import android.widget.EditText  
import android.widget.TextView  
import android.widget.Toast  
  
  
class AuthActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.activity\_auth)  
 val userLogin: EditText = findViewById(R.id.user\_login\_auth)  
 val userPass: EditText = findViewById(R.id.user\_pass\_auth)  
 val button : Button = findViewById(R.id.button\_auth)  
 val linkToReg: TextView = findViewById(R.id.link\_to\_reg)  
  
 linkToReg.setOnClickListener {  
 val intent = Intent(this, MainActivity::class.java)  
 startActivity(intent)  
 }  
 button.setOnClickListener {  
 val login = userLogin.text.toString().trim()  
 val pass = userPass.text.toString().trim()  
 if (login == "" || pass == "")  
 Toast.makeText(this, "Не все поля заполнены", Toast.LENGTH\_SHORT).show()  
 else {  
 val db = DbHelper(this, null)  
 val isAuth = db.getUser(login, pass)  
 if (isAuth) {  
 Toast.makeText(this, "Пользователь $login авторизован", Toast.LENGTH\_LONG)  
 .show()  
 userLogin.text.clear()  
 userPass.text.clear()  
 val intent = Intent(this, ItemsActivity:: class.java)  
 startActivity(intent)  
 } else  
 Toast.makeText(this, "Пользователь $login НЕ авторизован", Toast.LENGTH\_SHORT)  
 .show()  
 }  
 }  
 }  
}

DbHelper.kt

package com.example.lb1  
  
import android.content.ContentValues  
import android.content.Context  
import android.database.sqlite.SQLiteDatabase  
import android.database.sqlite.SQLiteOpenHelper  
import java.util.prefs.PreferencesFactory  
  
class DbHelper (val context: Context, val factory: SQLiteDatabase.CursorFactory?) : SQLiteOpenHelper(context, "app", factory, 1) {  
 override fun onCreate(db: SQLiteDatabase?) {  
 val query = "CREATE TABLE user (id INT PRIMARY KEY, login TEXT, email TEXT, pass TEXT)"  
 db!!.execSQL(query)  
 }  
 override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int, newVersion: Int) {  
 db!!.execSQL("DROP TABLE IF EXISTS users")  
 onCreate(db)  
 }  
 fun addUser(user: User) {  
 val values = ContentValues()  
 values.put("login", user.login)  
 values.put("email", user.email)  
 values.put("pass", user.pass)  
 val db = this.writableDatabase  
 db.insert("user", null, values)  
 db.close()  
 }  
 fun getUser(login: String, pass: String): Boolean{  
 val db = this.readableDatabase  
 val result = db.rawQuery("SELECT \* FROM user WHERE login = '$login' AND pass = '$pass'", null)  
 return result.moveToFirst()  
 }  
}

getUser.kt

package com.example.lb1  
  
class getUser (val login: String, val pass: String){  
}

Item.kt

package com.example.lb1  
  
class Item(val id: Int, val image: String, val title: String, val desc: String, val text: String, val price: Int) {  
}

ItemActivity.kt

package com.example.lb1  
  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.widget.TextView  
import androidx.activity.enableEdgeToEdge  
  
class ItemActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 enableEdgeToEdge()  
 setContentView(R.layout.activity\_item)  
 val title: TextView = findViewById(R.id.item\_list\_title\_one)  
 val text: TextView = findViewById(R.id.item\_list\_text)  
 title.text = intent.getStringExtra("itemTitle")  
 text.text = intent.getStringExtra("itemText")  
 }  
}

ItemsActivity.kt

package com.example.lb1  
  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.widget.TextView  
import androidx.activity.enableEdgeToEdge  
import androidx.recyclerview.widget.LinearLayoutManager  
import androidx.recyclerview.widget.RecyclerView  
  
class ItemsActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 enableEdgeToEdge()  
 setContentView(R.layout.activity\_items)  
 val itemsList: RecyclerView = findViewById(R.id.itemsList)  
 val items = arrayListOf<Item>()  
 items.add(Item(1, "grecha", "Гречка", "Гречка это XXXX", "Гречка распространена по всему миру, и считается древней культурой. Ее родиной является Индия и Непал, где гречку начали специально выращивать 4 тысячи лет назад.", 100))  
 items.add(Item(2, "goroh", "Горох", "Горох для XXXX", "Горох шлифованный - это единственный вид крупы, вырабатываемый из семян бобовых. В зависимости от способа обработки крупу из гороха делят на виды: горох целый шлифованный; горох колотый шлифованный ", 90))  
 items.add(Item(3, "ris", "Рис", "Рис для приготовления XXXX", "Рис - один из основных продуктов питания болеее половины населения земного шараю Эту древнейшую сельскохозяйственную культуру в настоящее время вырвщивают в 118 странах мира, однако наибольшие площади сосредоточены в странах Юго-Восточной Азии и Дальнего Востока", 50))  
 itemsList.layoutManager = LinearLayoutManager(this)  
 itemsList.adapter = ItemsAdapter(items, this)  
 }  
}

ItemsAdapter.kt

package com.example.lb1  
  
import android.content.Context  
import android.content.Intent  
import android.view.LayoutInflater  
import android.view.View  
import android.view.ViewGroup  
import android.widget.Button  
import android.widget.ImageView  
import android.widget.TextView  
import androidx.recyclerview.widget.RecyclerView  
  
class ItemsAdapter(var items: List<Item>, var context: Context) : RecyclerView.Adapter<ItemsAdapter.MyViewHolder>() {  
 class MyViewHolder(view: View): RecyclerView.ViewHolder(view){  
 val image: ImageView = view.findViewById(R.id.item\_list\_image)  
 val title: TextView = view.findViewById(R.id.item\_list\_title)  
 val desc: TextView = view.findViewById(R.id.item\_list\_desc)  
 val price: TextView = view.findViewById(R.id.item\_list\_price)  
 val btn: Button = view.findViewById(R.id.item\_list\_button)  
 }  
 override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): MyViewHolder {  
 val view = LayoutInflater.from(parent.context).inflate(R.layout.item\_in\_list, parent, false)  
 return MyViewHolder(view)  
 }  
 override fun getItemCount(): Int {  
 return items.count()  
 }  
 override fun onBindViewHolder(holder: MyViewHolder, position: Int) {  
 holder.title.text = items[position].title  
 holder.desc.text = items[position].desc  
 holder.price.text = items[position].price.toString() +"$"  
 val imageId = context.resources.getIdentifier(  
 items[position].image, "drawable", context.packageName  
 )  
 holder.image.setImageResource(imageId)  
 holder.btn.setOnClickListener {  
 val intent = Intent(context, ItemActivity :: class.java)  
 intent.putExtra("itemTitle", items[position].title)  
 intent.putExtra("itemText", items[position].text)  
 context.startActivity(intent)  
 }  
  
 }  
}

MainActivity.kt

package com.example.lb1  
  
import android.content.Intent  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import android.widget.Button  
import android.widget.EditText  
import android.widget.TextView  
import android.widget.Toast  
  
class MainActivity : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.activity\_main)  
 val userLogin: EditText = findViewById(R.id.user\_login)  
 val userEmail: EditText = findViewById(R.id.user\_email)  
 val userPass: EditText = findViewById(R.id.user\_pass)  
 val button : Button = findViewById(R.id.button\_reg)  
 val linkToAuth: TextView = findViewById(R.id.link\_to\_auth)  
 linkToAuth.setOnClickListener {  
 val intent = Intent(this, AuthActivity::class.java)  
 startActivity(intent)  
 }  
 button.setOnClickListener {  
 val login = userLogin.text.toString().trim()  
 val email = userEmail.text.toString().trim()  
 val pass = userPass.text.toString().trim()  
  
 if (login == "" || email == "" || pass == "")  
 Toast.makeText(this, "Не все поля заполнены", Toast.LENGTH\_SHORT).show()  
 else  
 {  
 val user = User(login, email, pass)  
 val db = DbHelper(this, null)  
 db.addUser(user)  
 Toast.makeText(this, "Пользователь $login добавлен", Toast.LENGTH\_SHORT).show()  
 userLogin.text.clear()  
 userEmail.text.clear()  
 userPass.text.clear()  
 }  
 }  
 }  
}

User.kt

package com.example.lb1  
  
class User (val login: String, val email: String, val pass: String){  
}

AndroidManifest.xml

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools">  
  
 <uses-permission  
 android:name="android.permission.READ\_EXTERNAL\_STORAGE"  
 android:maxSdkVersion="32" />  
  
 <application  
 android:allowBackup="true"  
 android:dataExtractionRules="@xml/data\_extraction\_rules"  
 android:fullBackupContent="@xml/backup\_rules"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.Lb1"  
 tools:targetApi="31">  
 <activity  
 android:name=".ItemActivity"  
 android:exported="false" />  
 <activity  
 android:name=".ItemsActivity"  
 android:exported="false" />  
 <activity  
 android:name=".AuthActivity"  
 android:exported="false" />  
 <activity  
 android:name=".MainActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
  
 <meta-data  
 android:name="preloaded\_fonts"  
 android:resource="@array/preloaded\_fonts" />  
 </application>  
  
</manifest>