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>