Министерство образования и молодежной политики Свердловской области



ГАПОУ СО «Екатеринбургский колледж транспортного строительства»

Отчёт по программе «Практическое занятие 23.1

Разработка приложения для умных часов»

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Группа: ПР-31

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**Входные данные:**

* emailEditText (String) – введенный пользователем логин;
* passwordEditText (String) – введенный пользователем пароль;

**Выходные данные:**

* Сообщения пользователю об ошибках.

**Листинг программы:**

MainActivity

package com.example.madventure  
  
import android.app.Activity  
import android.content.Intent  
import android.os.Bundle  
import android.view.View  
import com.example.madventure.databinding.ActivityMainBinding  
  
class MainActivity : Activity() {  
  
 private lateinit var binding: ActivityMainBinding  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
  
 binding = ActivityMainBinding.inflate(*layoutInflater*)  
 setContentView(binding.*root*)  
  
 }  
  
 fun next\_activity(view: View) {  
 val intent = Intent(this, SignInActivity::class.*java*)  
 startActivity(intent)  
 }  
}

ResultActivity

package com.example.madventure  
  
import android.app.Activity  
import android.os.Bundle  
import android.view.View  
import android.widget.Toast  
import com.example.madventure.databinding.ActivityResultBinding  
  
class ResultActivity : Activity() {  
  
 private lateinit var binding: ActivityResultBinding  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
  
 binding = ActivityResultBinding.inflate(*layoutInflater*)  
 setContentView(binding.*root*)  
  
 }  
  
 fun show\_toast(view: View) {  
 Toast.makeText(this, "Success", Toast.*LENGTH\_SHORT*).show()  
 }  
}

SignInActivity

package com.example.madventure  
  
import android.app.Activity  
import android.content.Intent  
import android.os.Bundle  
import android.support.wearable.activity.WearableActivity  
import android.view.View  
import android.widget.EditText  
import android.widget.Toast  
import com.example.madventure.databinding.ActivitySignInBinding  
  
class SignInActivity : WearableActivity() {  
  
 private lateinit var binding: ActivitySignInBinding  
 private lateinit var emailEditText: EditText  
 private lateinit var passwordEditText: EditText  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
  
 binding = ActivitySignInBinding.inflate(*layoutInflater*)  
 setContentView(binding.*root*)  
  
 emailEditText = findViewById(R.id.*emailEditText*)  
 passwordEditText = findViewById(R.id.*passwordEditText*)  
 }  
  
 fun next\_activity(view: View) {  
 val email = emailEditText.*text*.toString()  
 val password = passwordEditText.*text*.toString()  
  
 if (email.*isNotEmpty*() && password.*isNotEmpty*()) {  
 val intent = Intent(this, ResultActivity::class.*java*)  
 startActivity(intent)  
 } else {  
 Toast.makeText(this, "Заполните все поля", Toast.*LENGTH\_SHORT*).show()  
 }  
 }  
}

activity\_main

<?xml version="1.0" encoding="utf-8"?>  
<androidx.wear.widget.BoxInsetLayout 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"  
 android:padding="@dimen/box\_inset\_layout\_padding"  
 android:background="@color/grey"  
 tools:context=".MainActivity"  
 tools:deviceIds="wear">  
  
 <androidx.constraintlayout.widget.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <ImageView  
 android:id="@+id/logoImageView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="45dp"  
 android:layout\_marginTop="45dp"  
 android:paddingRight="10dp"  
 android:paddingLeft="10dp"  
 android:src="@drawable/logo"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"/>  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="90dp"  
 android:layout\_height="30dp"  
 android:layout\_marginTop="7dp"  
 android:background="@drawable/button"  
 android:gravity="center"  
 android:onClick="next\_activity"  
 android:text="@string/sign\_in"  
 android:textAllCaps="false"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/logoImageView" />  
 </androidx.constraintlayout.widget.ConstraintLayout>  
  
</androidx.wear.widget.BoxInsetLayout>

activity\_result

<?xml version="1.0" encoding="utf-8"?>  
<androidx.wear.widget.BoxInsetLayout 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"  
 android:padding="@dimen/box\_inset\_layout\_padding"  
 android:background="@color/grey"  
 tools:context=".ResultActivity"  
 tools:deviceIds="wear">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <androidx.constraintlayout.widget.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:padding="@dimen/box\_inset\_layout\_padding">  
  
 <TextView  
 android:id="@+id/goToWorldSkills"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:text="@string/go\_to\_nworldskills\_2019"  
 android:textAlignment="center"  
 android:textColor="@color/aquamarine"  
 android:textSize="16sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/stepsTextView"  
 android:layout\_width="85dp"  
 android:layout\_height="16dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="7dp"  
 android:layout\_marginRight="20dp"  
 android:text="@string/\_10\_000\_steps"  
 android:textAlignment="center"  
 android:textColor="@color/white"  
 android:textSize="12sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.694"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/goToWorldSkills"  
 tools:ignore="SmallSp" />  
  
 <ImageView  
 android:id="@+id/shoesImageView"  
 android:layout\_width="16dp"  
 android:layout\_height="16dp"  
 android:layout\_marginTop="7dp"  
 android:src="@drawable/shoes"  
 app:layout\_constraintEnd\_toStartOf="@+id/stepsTextView"  
 app:layout\_constraintTop\_toBottomOf="@+id/goToWorldSkills"  
 tools:ignore="MissingConstraints" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="17dp"  
 android:text="@string/description"  
 android:textColor="@color/aquamarine"  
 android:textSize="13sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.14"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/stepsTextView" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="148dp"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="7dp"  
 android:text="@string/desc\_text"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="105dp"  
 android:layout\_height="30dp"  
 android:layout\_marginTop="30dp"  
 android:background="@drawable/button"  
 android:gravity="center"  
 android:onClick="show\_toast"  
 android:text="@string/send\_result"  
 android:textAllCaps="false"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView3" />  
  
 <androidx.legacy.widget.Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp"  
 android:id="@+id/bottomSpace"  
 app:layout\_constraintTop\_toBottomOf="@+id/button" />  
  
 </androidx.constraintlayout.widget.ConstraintLayout>  
  
 </ScrollView>  
  
</androidx.wear.widget.BoxInsetLayout>

activity\_sign\_in

<?xml version="1.0" encoding="utf-8"?>  
<androidx.wear.widget.BoxInsetLayout 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"  
 android:padding="@dimen/box\_inset\_layout\_padding"  
 android:background="@color/grey"  
 tools:context=".SignInActivity"  
 tools:deviceIds="wear">  
  
 <androidx.constraintlayout.widget.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <ImageView  
 android:id="@+id/logoImageView"  
 android:layout\_width="170dp"  
 android:layout\_height="40dp"  
 android:layout\_marginTop="1dp"  
 android:paddingLeft="10dp"  
 android:paddingRight="10dp"  
 android:src="@drawable/logo"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/emailEditText"  
 android:layout\_width="145dp"  
 android:layout\_height="37dp"  
 android:layout\_marginTop="4dp"  
 android:background="@drawable/edit"  
 android:hint="@string/email"  
 android:inputType="textEmailAddress"  
 android:paddingStart="8dp"  
 android:paddingEnd="8dp"  
 android:textColor="@color/aquamarine"  
 android:textColorHint="@color/aquamarine"  
 android:textSize="15sp"  
 android:maxLines="1"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/logoImageView"  
 android:imeOptions="actionNext"/>  
  
 <EditText  
 android:id="@+id/passwordEditText"  
 android:layout\_width="145dp"  
 android:layout\_height="37dp"  
 android:layout\_marginTop="4dp"  
 android:background="@drawable/edit"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:paddingStart="8dp"  
 android:paddingEnd="8dp"  
 android:textColor="@color/aquamarine"  
 android:textColorHint="@color/aquamarine"  
 android:textSize="15sp"  
 android:maxLines="1"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/emailEditText" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="145dp"  
 android:layout\_height="37dp"  
 android:layout\_marginTop="8dp"  
 android:background="@drawable/button"  
 android:gravity="center"  
 android:onClick="next\_activity"  
 android:text="@string/sign\_in"  
 android:textAllCaps="false"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/passwordEditText" />  
  
 </androidx.constraintlayout.widget.ConstraintLayout>  
  
</androidx.wear.widget.BoxInsetLayout>

**Экраны:**





