Universitatea Tehnica a Moldovei

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Medii Interactive de Dezvolatare a Produselor Soft

Lucrare de laborator#4	
Dezvoltarea unei aplicatii mobile	

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lector asistent: Irina Cojanu

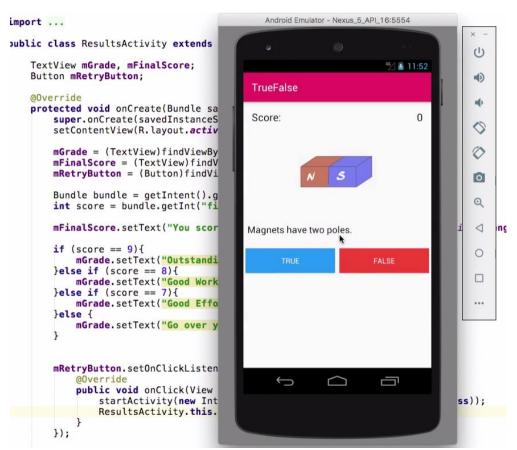
Lucrarea de laborator#2

1. Scopul lucrarii:

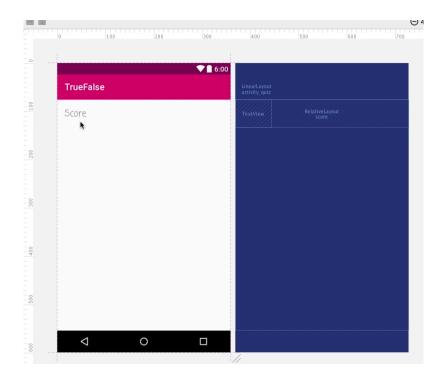
Realizarea aplicatiei de tip Quiz pe platforma Android.

2. Mersul lucrarii

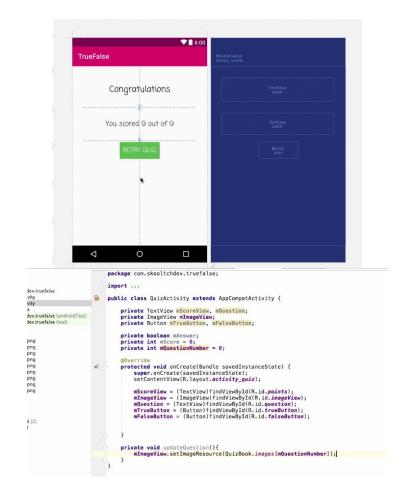
In procesul lucrarii date am facut cunostinta cu limbajul Java si arhitectura acestuia. Ca mediu de dezvoltare am folosit Android Studio, care are o interfata foarte user-friendly si o functionalitate foarte mare. Aplicatie este in exculisivitate pentru platforma Android. Aplicatia este un simplu Quiz cu intrebari de cunostinte generale din fizica.



1. Una din intrebarile aplicatiei



2. Crearea paginii de afisare a scorului.



2.1 Codul pentru aceasta pagina

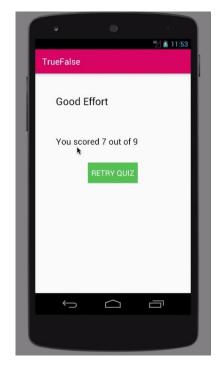
```
▼ □ java
                                                                                                                                               android:textColor="#000"
android:layout_alignParentLeft="true"
android:textSize="20sp"
          ▼ □ com.skooltchdev.truefalse
                    © a MainActivity
© a QuizActivity
                                                                                                                                               android:textsize="2ssp"
android:fontFamily="casual"
android:text="Score:"
android:padding="16dp"
android:layout_width="wrap_content"
android:layout_height="wrap_content" />
                     © & OuizBook
          ▶ ☐ com.skooltchdev.truefalse (androidTest)
          ▶ □ com.skooltchdev.truefalse (test)
    ▼ □res
         ☐ res drawable

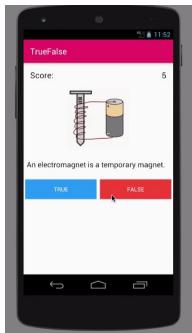
☐ img_0512.png
☐ img_0516.png
☐ img_0521.png
☐ img_0522.png
☐ img_0523.png
☐ img_0523.png
☐ img_0525.png
☐ img_0526.png
☐ img_0527.png
                                                                                                                                     <TextView android:textColor="#000"
                                                                                                                                                android:textSize="20sp"
android:id="@+id/points"
android:fontFamily="casual"
                                                                                                                                               android:text="0"
android:text="0"
android:layout_alignParentRight="true"
android:padding="l6dp"
android:layout_width="wrap_content"
android:layout_height="wrap_content" />
                    img_0527.png
img_0528.png
          ▶ □ lavout
         ► imipmap

▼ ivalues
                                                                                                                          </RelativeLayout>
                     colors.xml
              indimens.xml (2)
in strings.xml
in styles.xml
                                                                                                                          <ImageView
                                                                                                                                     android:scaleType="fitCenter"
android:src="@drawable/img_0512"
android:id="@+id/imageView"
Gradle Scripts
                                                                                                                                    android:ld="@+1d/lmagev1ew"
android:layout_marginBottom="16dp"
android:layout_gravity="center"
android:layout_width="150dp"
android:layout_height="150dp" />
```

3. Adaugarea imaginilor pentru fiecare intrebare

```
public void onClick(View view) {
              if (mAnswer == true){
    mScore++; //This (
                                               s updates the score int variable
                    updateScore(mScore); //This converts the int variable to a String and adds it to mScoreView
                    //Perform this check before you update the question
if (mQuestionNumber == QuizBook.questions.length){
   Intent i = new Intent(QuizActivity.this, ResultsActivity.class);
   Bundle bundle = new Bundle();
   bundle.putInt("finalScore", mScore);
   i.putExtras(bundle);
   QuizActivity this finish();
}
                            QuizActivity.this.finish();
startActivity(i);
                     }else {
                            updateQuestion();
              }
               //If the user's answer is wrong
              else {
   if (mQuestionNumber == QuizBook.questions.length){
                            Intent i = new Intent(QuizActivity.this, ResultsActivity.class);
Bundle bundle = new Bundle();
bundle.putInt("finalScore", mScore);
                            i.putExtras(bundle);
QuizActivity.this.finish();
startActivity(i);
                     }else {
                            updateQuestion();
});
```





4. Final view

Concluzie:

Lucrare de laborator nr.3 a fost un prim-pas in dezvoltarea aplicatiilor mobile. Aici s-a folosit limbajul Java si Android Studio, dar exista si o alta multitudine de tehnologii cu care pot fi create cele mai complexe aplicatii pentru Android/iOS. In aplicatie exista butonul de incepere a Quiz-ului cit de resetare a scorului.