

Universitatea Tehnica a Moldovei

Facultatea Calculatoare Informatica si Microelectronica

## **Medii Interactive de Dezvoltare a Produselor Soft**

Lucrare de laborator#4

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### Dezvoltarea unei aplicatii mobile

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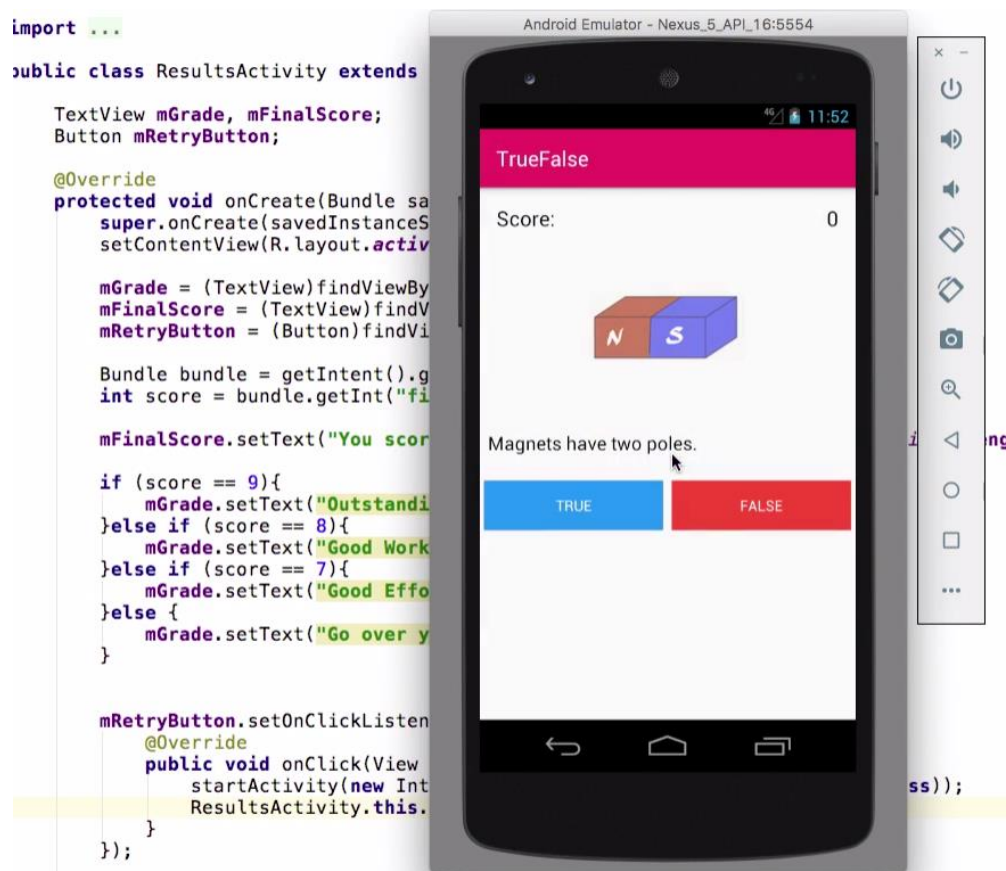
# Lucrarea de laborator#2

## 1. Scopul lucrarii:

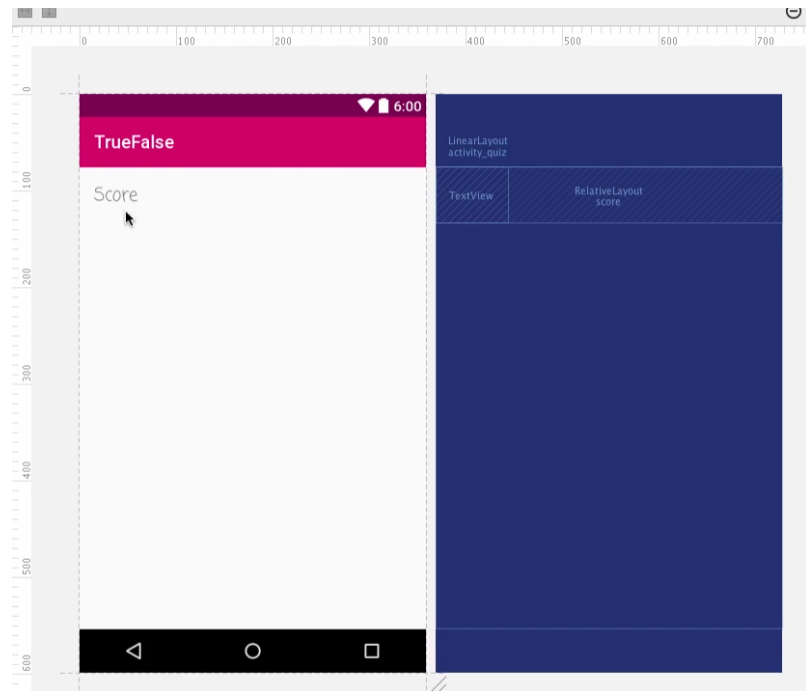
Realizarea aplicatiei de tip **Quiz** pe platforma **Android**.

## 2. Mersul lucrarii

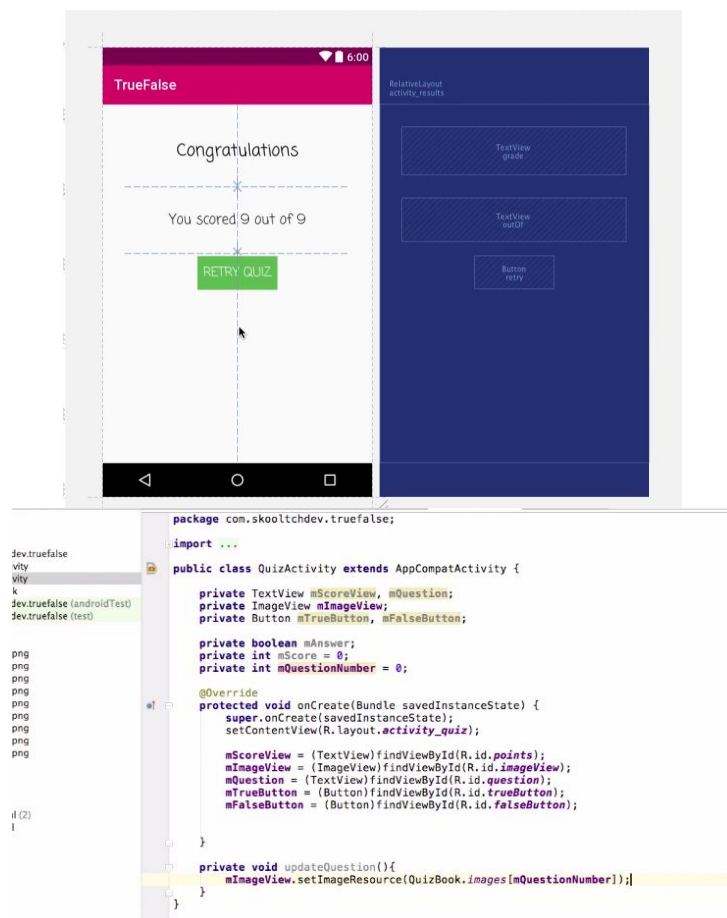
In procesul lucrarii date am facut cunostinta cu limbajul Java si arhitectura acestuia. Ca mediu de dezvoltare am folosit Android Studio, care are o interfata foarte user-friendly si o functionalitate foarte mare. Aplicatie este in excusivitate pentru platforma Android. Aplicatia este un simplu Quiz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

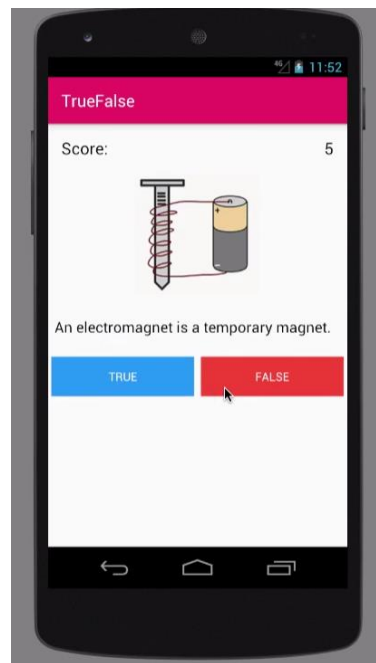
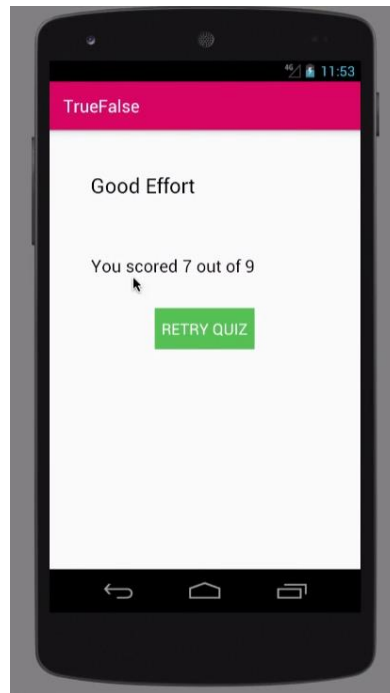


### 3. Adaugarea imaginilor pentru fiecare intrebare

```
public void onClick(View view) {
    if (mAnswer == true){
        mScore++; //This 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();
            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.