Based on what you learnt this week and the material provided to you, create a dice game. The game contains two dice, one belongs to the player and one belonging to the computer. Dice has to place vertically and has to be identified which one belongs to the user and belongs to the computer.

* Your app has to have two buttons. One said “Higher,” the second says “Lower” it has to be placed horizontally
* By pressing each of these buttons, both dice have to roll.
* If the user selects “higher” and his/her dice is higher than the computer dice; then the user is the winner; otherwise, he or she loses unless the game is a tie.
* If the user selects “lower” and his/her dice is lower than the computer, the user is the winner; otherwise, they lose unless the game is a tie.

Considering the situation, one of the following messages has to be shown.

Computer Win!

User Win!

It’s a tie

You have two options for the message: 1) using an empty text field 2) You can have an image to indicate the situation

\*\* Make sure to apply the id, description and all the necessary attributes in style.xml, string.xml and color.xml.

\*\*make sure that you place the resources into the right folders.

Upload your project on Github and share the link by next week

If you don’t know how to push your project into GitHub, go to this link:

<https://www.geeksforgeeks.org/how-to-upload-project-on-github-from-android-studio/>

DUE DATE FEB 19th before class starts.

**Rubric**

|  |  |  |
| --- | --- | --- |
| **Description** | Possible Mark |  |
| **The building, installing and launching the app** | 30% |  |
| **Code Quality** | 10% |  |
| **Proper implementation of ID** | 10% |  |
| **Proper use of color.xml, strings.xml and style.xml** | 10% |  |
| **Proper layout and android device compatibility** | 20% |  |
| **Proper implementation of resources** | 10% |  |
| **Proper implantation of mipmap (icon has to support square and circle)** | 10% |  |
| **Using API (Extra credit 10%)** |  |  |
|  | 100% |  |

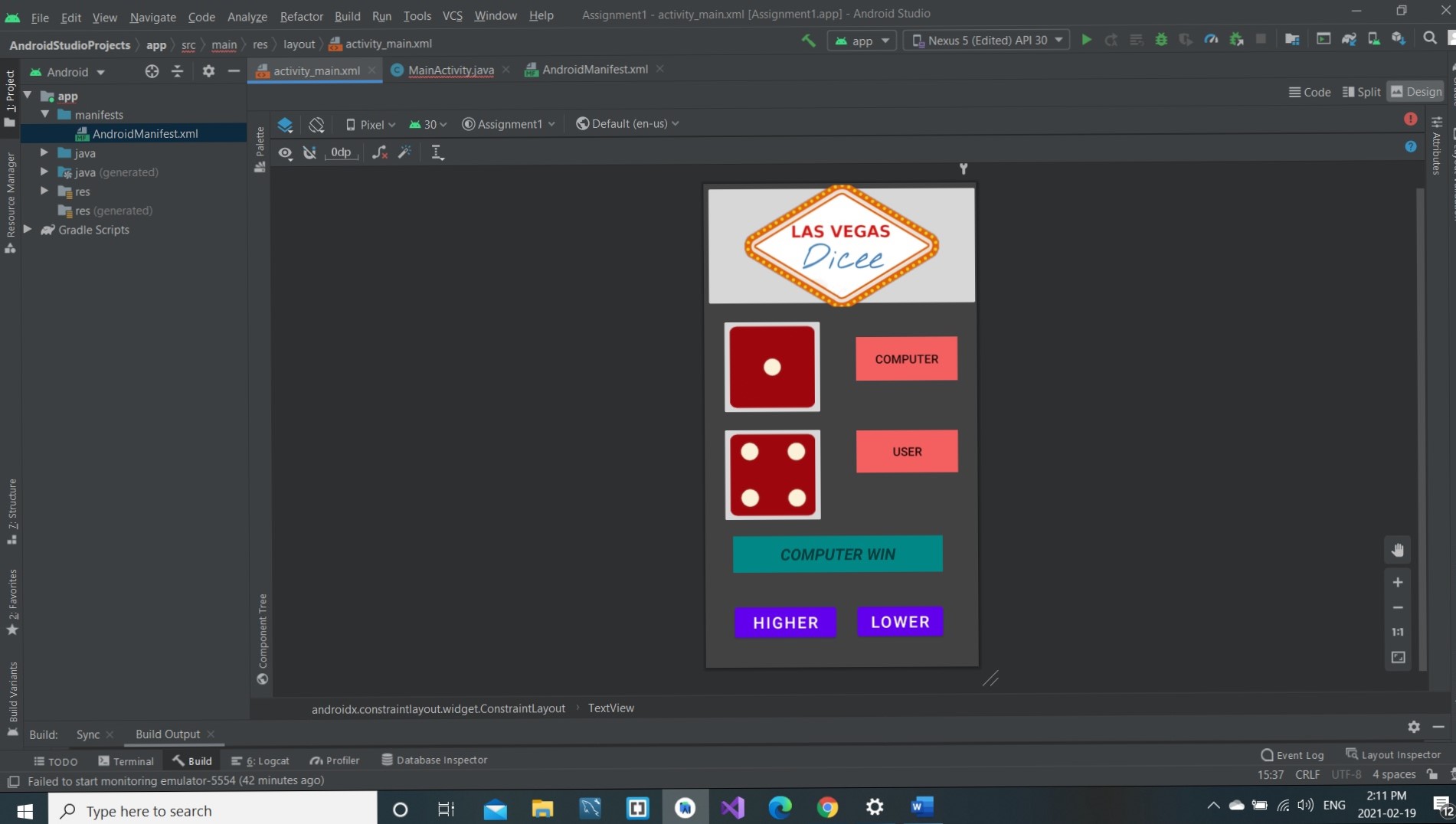
ATTENTION !!

GITHUB LINK IS ATTACHED BELOW

https://github.com/ozgucdlg/diceGame

package com.example.assignment1;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
  
import android.view.View;  
import android.widget.Button;  
import android.widget.ImageView;  
  
import java.util.Random;  
  
public class MainActivity extends AppCompatActivity {  
  
 public static final Random *RANDOM* = new Random();  
 private Button Higher;  
 private Button Lower;  
 private ImageView imageView1,imageView2;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 hihger = (Button) findViewById(R.id.hihger);  
 imageView1 = (ImageView) findViewById(R.id.*imageView1*);  
 imageView2 = (ImageView) findViewById(R.id.*imageView2*);  
  
 rollDices.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
 int value1 = *randomDiceValue*();  
 int value2 = *randomDiceValue*();  
  
 int res1 = getResources().getIdentifier("dice"+value1,"drawable","com.example.assignment1");  
 int res2 = getResources().getIdentifier("dice"+value2,"drawable","com.example.assignment1");  
  
 imageView1.setImageResource(res1);  
 imageView2.setImageResource(res2);  
  
  
  
 }  
 });  
  
 }  
  
 public static int randomDiceValue(){  
 return *RANDOM*.nextInt(6)+1;  
  
  
 }  
}

Paste your java code here//

****

Paste your java code here//

Paste the snapshot of your simulator here