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| 성결대학교 |
| 뽑아줘 기획서 |
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| **최준연** |
| **2017-08-10** |

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   1. **프로젝트 명**

**뽑아줘**

* 1. **목적**

**결정하는데 있어 고민이 많은 사람들을 위한 결정해주는 어플리케이션.**

* 1. **필요성**

**예부터 사람들은 누구나 한 번쯤 선택의 갈림길에 놓이게 된다. 이 앱을 제작한 본인도 의식주에 있어 매일 무엇을 해야 할까 무엇을 골라야 할까 고민이 많은데 이 앱을 통해 그러한 고민을 없애버릴 수 있다.**

1. **개발 범위**

**2-1 대상 업무**

* H/W 개발 범위

“해당사항 없음”

* S/W 개발 범위

Android studio

- XML코드 사용하여 전체 폼 구성

- JAVA 코드 사용하여 각종 기능 구성

**2-2 개발 환경**

* H/W 개발 환경

PC ( Windows10, i5-6400, RAM 4GB, HDD 1TB)

스마트폰 (갤럭시 S7 Edge)

* S/W 개발 환경

Android Studio

1. **일정 계획**



1. **프로젝트 기능**

4-1총 8가지의 원하는 변수를 입력할 수 있다.

4-2 두 가지 이상 입력하지 않으면 실행되지 않도록 설정되어 있음.

4-3 최소 두 가지 이상의 입력된 변수들이 무작위로 추출 된다.

4-4 선택에 어려움이 있을 때 도움을 준다.

1. **화면 구성**

**첫 번째 화면**



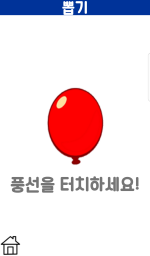
**두 번째 화면**



**두 번째 화면 (텍스트 입력 없이 ‘뽑으러 가기’를 클릭하였을 경우)**



**세 번째 화면 (풍선 애니메이션 대기)**



**세 번째 화면 (풍선 클릭 시 구현되는 애니메이션)**



**네 번째 화면 (두 번째 화면에서 입력한 값이 출력됨.)**



1. **프로그램 명세서**

**(**xml을 제외한 java파일**)**

1) AndroidManifest.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.s404\_14.projectcjy"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/balloonicon"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/balloonicon"  
 android:supportsRtl="true"  
 android:theme="@style/AppTheme"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 <**activity android:name=".SecondActivity"** />  
 <**activity android:name=".ThirdActivity"** />  
 <**activity android:name=".ForthActivity"**></**activity**>  
 </**application**>  
  
</**manifest**>

2) MainActivity.java

**package** com.example.s404\_14.projectcjy;  
  
**import** android.content.Intent;  
**import** android.graphics.Typeface;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.ImageView;  
**import** android.widget.RelativeLayout;  
**import** android.widget.TextView;  
  
**import** com.bumptech.glide.Glide;  
**import** com.bumptech.glide.request.target.GlideDrawableImageViewTarget;  
  
**import static** android.R.id.***text1***;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 TextView **textView**;  
 RelativeLayout **goToSel**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **textView** = (TextView)findViewById(R.id.***textView0***);  
  
 Typeface fonttype = Typeface.*createFromAsset*(getAssets(), **"appfont.ttf"**);  
 **textView**.setTypeface(fonttype);  
  
 ImageView introImage = (ImageView) findViewById(R.id.***introImage***);  
 GlideDrawableImageViewTarget imageViewTarget = **new** GlideDrawableImageViewTarget(introImage);  
 Glide.*with*(**this**).load(R.raw.***balloons***).into(imageViewTarget);  
  
 **goToSel** = (RelativeLayout)findViewById(R.id.***layout1***);  
  
 **goToSel**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent it1 = **new** Intent(MainActivity.**this**, SecondActivity.**class**);  
 startActivity(it1);  
 finish();  
 }  
 });  
 }  
}

3) SecondActivity.java

**package** com.example.s404\_14.projectcjy;  
  
**import** android.content.Intent;  
**import** android.graphics.Typeface;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.EditText;  
**import** android.widget.ImageButton;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** java.util.Random;  
  
**import static** com.example.s404\_14.projectcjy.R.id.***textResult***;  
  
**public class** SecondActivity **extends** AppCompatActivity {  
 TextView **text1**, **text2**;  
 ImageButton **goSel**;  
 EditText **ed1**,**ed2**,**ed3**,**ed4**,**ed5**,**ed6**,**ed7**,**ed8**;  
 **static** String *edArray1*[] = **new** String[8];  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_second***);  
  
  
 **text1** = (TextView)findViewById(R.id.***textView***);  
 **text2** = (TextView)findViewById(R.id.***textView2***);  
 **goSel** = (ImageButton)findViewById(R.id.***imageButton***);  
 **ed1** = (EditText)findViewById(R.id.***editText1***);  
 **ed2** = (EditText)findViewById(R.id.***editText2***);  
 **ed3** = (EditText)findViewById(R.id.***editText3***);  
 **ed4** = (EditText)findViewById(R.id.***editText4***);  
 **ed5** = (EditText)findViewById(R.id.***editText5***);  
 **ed6** = (EditText)findViewById(R.id.***editText6***);  
 **ed7** = (EditText)findViewById(R.id.***editText7***);  
 **ed8** = (EditText)findViewById(R.id.***editText8***);  
  
 Typeface fonttype = Typeface.*createFromAsset*(getAssets(), **"appfont.ttf"**);  
 **text1**.setTypeface(fonttype);  
 Typeface fonttype2 = Typeface.*createFromAsset*(getAssets(), **"appfont.ttf"**);  
 **text2**.setTypeface(fonttype2);  
  
 **goSel**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **int** truecount = 0;  
 **int** edArray[] = **new int**[8];  
 edArray[0] = **ed1**.getText().toString().length();  
 edArray[1] = **ed2**.getText().toString().length();  
 edArray[2] = **ed3**.getText().toString().length();  
 edArray[3] = **ed4**.getText().toString().length();  
 edArray[4] = **ed5**.getText().toString().length();  
 edArray[5] = **ed6**.getText().toString().length();  
 edArray[6] = **ed7**.getText().toString().length();  
 edArray[7] = **ed8**.getText().toString().length();  
  
 *edArray1*[0] = **null**;  
 *edArray1*[1] = **null**;  
 *edArray1*[2] = **null**;  
 *edArray1*[3] = **null**;  
 *edArray1*[4] = **null**;  
 *edArray1*[5] = **null**;  
 *edArray1*[6] = **null**;  
 *edArray1*[7] = **null**;  
  
  
 **for**(**int** i=0; i<edArray.**length**; i++) {  
 **if** (edArray[i] >0 ) {  
 **if** (i == 0 ){  
 *edArray1*[truecount] = **ed1**.getText().toString();  
 } **else if** (i == 1 ){  
 *edArray1*[truecount] = **ed2**.getText().toString();  
 } **else if** (i == 2 ){  
 *edArray1*[truecount] = **ed3**.getText().toString();  
 } **else if** (i == 3 ){  
 *edArray1*[truecount] = **ed4**.getText().toString();  
 } **else if** (i == 4 ){  
 *edArray1*[truecount] = **ed5**.getText().toString();  
 } **else if** (i == 5 ){  
 *edArray1*[truecount] = **ed6**.getText().toString();  
 } **else if** (i == 6 ){  
 *edArray1*[truecount] = **ed7**.getText().toString();  
 } **else if** (i == 7 ){  
 *edArray1*[truecount] = **ed8**.getText().toString();  
 }  
  
 truecount++;  
 }  
 }  
   
 **if** (truecount > 1){  
 Intent it1 = **new** Intent(SecondActivity.**this**, ThirdActivity.**class**);  
  
 startActivity(it1);  
 finish();  
 } **else** {  
 Toast.*makeText*(getApplicationContext(), **"2가지 이상 입력하세요"**, Toast.***LENGTH\_SHORT***).show();  
 }  
  
  
 }  
 });  
  
 }  
}

4) ThirdActvity.java

**package** com.example.s404\_14.projectcjy;  
  
**import** android.content.Intent;  
**import** android.graphics.Typeface;  
**import** android.graphics.drawable.AnimationDrawable;  
**import** android.os.SystemClock;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.view.animation.Animation;  
**import** android.view.animation.AnimationUtils;  
**import** android.widget.ImageButton;  
**import** android.widget.ImageView;  
**import** android.widget.TextView;  
  
**import** com.bumptech.glide.Glide;  
**import** com.bumptech.glide.request.target.GlideDrawableImageViewTarget;  
  
**import static** android.R.id.***text1***;  
  
**public class** ThirdActivity **extends** AppCompatActivity {  
 TextView **textView1**, **textView3**;  
 ImageButton **goHome**, **goForth**;  
 **private** ImageView **loadingImg**, **imageView2**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_third***);  
  
  
 **goHome** = (ImageButton)findViewById(R.id.***goHome***);  
 **textView1** = (TextView)findViewById(R.id.***textView1***);  
 **textView3** = (TextView)findViewById(R.id.***textView3***);  
 **goForth** = (ImageButton)findViewById(R.id.***circleTouch***);  
 **loadingImg** = (ImageView)findViewById(R.id.***loadingImg***);  
 **imageView2** = (ImageView)findViewById(R.id.***imageView2***);  
 Thread threadEx = **new** Thread();  
 threadEx.start();  
  
  
 Typeface fonttype = Typeface.*createFromAsset*(getAssets(), **"appfont.ttf"**);  
 **textView1**.setTypeface(fonttype);  
 Typeface fonttype1 = Typeface.*createFromAsset*(getAssets(), **"appfont.ttf"**);  
 **textView3**.setTypeface(fonttype1);  
  
 **goHome**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent it1 = **new** Intent(ThirdActivity.**this**, SecondActivity.**class**);  
 startActivity(it1);  
 finish();  
 }  
 });  
  
  
 **goForth**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **loadingImg**.setVisibility(View.***VISIBLE***);  
 **textView3**.setVisibility(View.***INVISIBLE***);  
 **imageView2**.setVisibility(View.***INVISIBLE***);  
 **loadingImg**.post(**new** Runnable() {  
 @Override  
 **public void** run() {  
 ((AnimationDrawable) **loadingImg**.getBackground()).start();  
 **new** Thread(){  
 @Override  
 **public void** run() {  
 SystemClock.*sleep*(900);  
 runOnUiThread(**new** Runnable() {  
 @Override  
 **public void** run() {  
 Intent it1 = **new** Intent(ThirdActivity.**this**, ForthActivity.**class**);  
 startActivity(it1);  
 finish();  
 }  
 });  
 }  
 }.start();  
 }  
 });  
  
 }  
 });  
  
  
 }  
}

5) ForthActivity.java

**package** com.example.s404\_14.projectcjy;  
  
**import** android.content.Intent;  
**import** android.graphics.Typeface;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.ImageButton;  
**import** android.widget.TextView;  
  
**import** java.util.Random;  
  
**public class** ForthActivity **extends** AppCompatActivity {  
 TextView **textView4**, **textResult**;  
 ImageButton **goHome**, **retry**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_forth***);  
  
  
 **goHome** = (ImageButton)findViewById(R.id.***goHome***);  
 **textView4** = (TextView)findViewById(R.id.***textView4***);  
 **textResult** = (TextView)findViewById(R.id.***textResult***);  
 **retry** = (ImageButton)findViewById(R.id.***retry***);  
  
 Typeface fonttype = Typeface.*createFromAsset*(getAssets(), **"appfont.ttf"**);  
 **textView4**.setTypeface(fonttype);  
 Typeface fonttype1 = Typeface.*createFromAsset*(getAssets(), **"appfont.ttf"**);  
 **textResult**.setTypeface(fonttype1);  
   
   
 Random strArray = **new** Random();  
 **int** rndText = strArray.nextInt(SecondActivity.edArray1.length);  
 String txtReuslt = SecondActivity.edArray1[rndText];  
  
 **textResult**.setText(txtReuslt);  
  
  
  
 **goHome**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent it1 = **new** Intent(ForthActivity.**this**, SecondActivity.**class**);  
 startActivity(it1);  
 finish();  
 }  
 });  
 **retry**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent it1 = **new** Intent(ForthActivity.**this**, ThirdActivity.**class**);  
 startActivity(it1);  
 finish();  
 }  
 });  
  
 }  
}