Jarron Bailey

Midterm

**JAVA CODE**

**Main**

**package** com.example.bailey.midterm;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.ListView;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 EditText **login**;  
 EditText **password**;  
 Button **btn\_login**;  
 ListView **listView**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **btn\_login** = (Button)findViewById(R.id.***btn\_login***);  
 **btn\_login**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 login();  
 }  
  
 });  
  
  
 }  
 **public void** login(){  
 **login** = (EditText)findViewById(R.id.***et\_login***);  
 **password** = (EditText)findViewById(R.id.***et\_password***);  
 **btn\_login** = (Button)findViewById(R.id.***btn\_login***);  
 **int** inx = 0;  
  
 **while** ((**login**.getText().toString() == **"Jay"**) && (**password**.getText().toString() == **"123"**)) {  
 **if** ((**login**.getText().toString() == **"Jay"**) && (**password**.getText().toString() == **"123"**)) {  
 Intent intent = **new** Intent(MainActivity.**this**, secondActivity.**class**);  
 intent.putExtra(**"username"**, **login**.getText().toString());  
 intent.putExtra(**"password"**, **password**.getText().toString());  
 Toast.*makeText*(**this**, **"Login Sucuessful"**, Toast.***LENGTH\_LONG***).show();  
 startActivity(intent);  
 } **else** {  
 Toast.*makeText*(**this**, **"Login Failed"** + **" this many times "** +inx, Toast.***LENGTH\_LONG***).show();  
 inx++;  
 }  
 }

}  
}

**CUSTOM ADAPTER**

**package** com.example.bailey.midterm;  
  
**import** android.app.Activity;  
**import** android.support.annotation.NonNull;  
**import** android.support.annotation.Nullable;  
**import** android.view.View;  
**import** android.widget.ArrayAdapter;  
**import** android.view.ViewGroup;  
**import** android.view.LayoutInflater;  
**import** android.widget.ImageView;  
**import** android.widget.TextView;  
  
*/\*\*  
 \* Created by baile on 9/26/2017.  
 \*/* **class** custom\_adapter **extends** ArrayAdapter<String> {  
 **private final** Activity **context**;  
 **private final** String[] **class\_number**;  
 **private final** String[] **class\_name**;  
  
 **public** custom\_adapter(Activity context, String[] class\_name, String[] class\_number) {  
  
 *//ArrayAdapter(Context context, int resource, T[] objects)* **super**(context, R.layout.***class\_view***, class\_name);  
 **this**.**context** = context;  
 **this**.**class\_name** = class\_name;  
 **this**.**class\_number** = class\_number;  
 }  
  
 @NonNull  
 @Override  
 **public** View getView(**int** position, @Nullable View rowView, @NonNull ViewGroup parent) {  
  
 LayoutInflater inflater = **context**.getLayoutInflater();  
  
 *//inflate(int resource, ViewGroup root, boolean attachToRoot)* rowView = inflater.inflate(R.layout.***class\_view***,  
 **null**, **true**);  
  
  
 TextView tv\_name = (TextView) (rowView.findViewById(R.id.***tv\_class\_name***));  
 TextView tv\_number = (TextView) (rowView.findViewById(R.id.***tv\_class\_number***));  
  
 tv\_name.setText(**class\_name**[position]);  
 tv\_number.setText(**class\_number**[position]);  
 **return** rowView;  
 }  
}

**SECOND ACTIVITY**

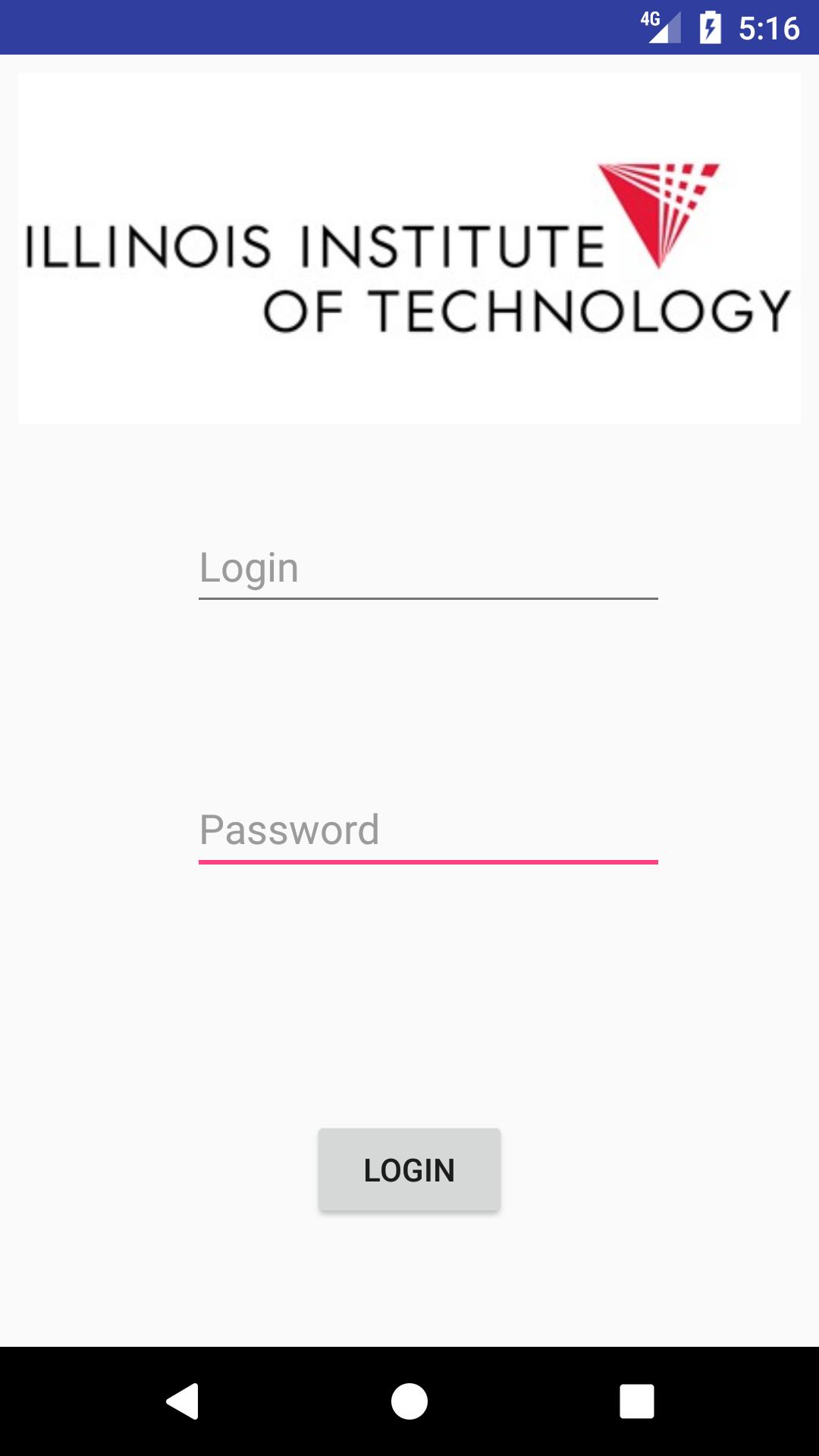
**package** com.example.bailey.midterm;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.support.annotation.IdRes;  
**import** android.support.annotation.Nullable;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.view.View;  
**import** android.widget.ListView;  
**import** android.widget.TextView;  
  
  
*/\*\*  
 \* Created by baile on 10/17/2017.  
 \*/***public class** secondActivity **extends** AppCompatActivity{  
 @Override  
 **protected void** onCreate(@Nullable Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***class\_view***);  
  
 **final** String[] class\_name = {**"Android Development"**, **"Data Networks"**, **"Databases"**, **"Internet Secutrity"**,  
 **"Java Programming"**, **"Software Engineering"** };  
  
 **final** String[] class\_number = {**"555"**, **"485"**, **"411"**, **"510"**, **"312"**, **"511"** };  
  
 secondActivityx(class\_name,class\_number);  
 }  
  
 **public void** secondActivityx(**final** String[] class\_name, **final** String[] class\_number)  
  
 {  
 TextView stu\_name;  
 Intent intent = getIntent();  
 Bundle extras = intent.getExtras();  
 String name = extras.getString(**"username"**);  
 stu\_name = (TextView)findViewById(R.id.***tv\_name***);  
 custom\_adapter adapter;  
 ListView listView;  
  
 stu\_name.setText(name);  
 adapter = **new** custom\_adapter(secondActivity.**this**, class\_name,  
 class\_number);  
 listView = (ListView) findViewById (R.id.***list\_view***);  
 listView.setAdapter(adapter);  
  
 }  
}

**XML MAIN**

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.ConstraintLayout 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"  
 tools:context="com.example.bailey.midterm.MainActivity"**>  
  
 <**ImageView  
 android:id="@+id/iv\_logo"  
 android:layout\_width="0dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginTop="8dp"  
 android:scaleType="centerCrop"  
 app:layout\_constraintBottom\_toTopOf="@+id/guideline"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@drawable/iit\_logo"  
 tools:scrollbarAlwaysDrawHorizontalTrack="false"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintVertical\_bias="0.0"** />  
  
 <**android.support.constraint.Guideline  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/guideline"  
 app:layout\_constraintGuide\_percent="0.3"  
 android:orientation="horizontal"** />  
  
 <**EditText  
 android:id="@+id/et\_login"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginTop="32dp"  
 android:ems="10"  
 android:hint="Login"  
 android:inputType="textPersonName"  
 app:layout\_constraintHorizontal\_bias="0.562"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="@+id/guideline"** />  
  
 <**EditText  
 android:id="@+id/et\_password"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginTop="70dp"  
 android:ems="10"  
 android:hint="Password"  
 android:inputType="textPersonName"  
 app:layout\_constraintHorizontal\_bias="0.562"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/et\_login"** />  
  
 <**Button  
 android:id="@+id/btn\_login"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="54dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:text="Login"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"** />  
  
</**android.support.constraint.ConstraintLayout**>

**LIST VIEW**

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.ConstraintLayout 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"**>  
  
 <**TextView  
 android:id="@+id/tv\_class\_number"  
 android:layout\_width="125dp"  
 android:layout\_height="50dp"  
 android:text="TextView"  
 android:textAlignment="center"  
 android:textSize="24sp"  
 app:layout\_constraintLeft\_toLeftOf="@+id/list\_view"  
 app:layout\_constraintTop\_toTopOf="@+id/list\_view"  
 tools:layout\_conversion\_absoluteHeight="50dp"  
 tools:layout\_conversion\_absoluteWidth="125dp"  
 tools:layout\_conversion\_absoluteX="0dp"  
 tools:layout\_conversion\_absoluteY="0dp"  
 tools:layout\_editor\_absoluteX="37dp"  
 tools:layout\_editor\_absoluteY="64dp"** />  
  
 <**TextView  
 android:id="@+id/tv\_class\_name"  
 android:layout\_width="200dp"  
 android:layout\_height="39dp"  
 android:text="TextView"  
 android:textAlignment="center"  
 android:textSize="24sp"  
 app:layout\_constraintBaseline\_toBaselineOf="@+id/tv\_class\_number"  
 app:layout\_constraintLeft\_toLeftOf="@+id/list\_view"  
 app:layout\_constraintRight\_toRightOf="@+id/list\_view"  
 app:layout\_constraintTop\_toTopOf="@+id/list\_view"  
 tools:layout\_conversion\_absoluteHeight="39dp"  
 tools:layout\_conversion\_absoluteWidth="200dp"  
 tools:layout\_conversion\_absoluteX="161dp"  
 tools:layout\_conversion\_absoluteY="0dp"  
 tools:layout\_editor\_absoluteX="201dp"  
 tools:layout\_editor\_absoluteY="83dp"  
 android:layout\_marginStart="120dp"** />  
  
 <**TextView  
 android:id="@+id/tv\_name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginTop="8dp"  
 android:text="TextView"  
 android:textAlignment="center"  
 android:textSize="28sp"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**ListView  
 android:id="@+id/list\_view"  
 android:layout\_width="368dp"  
 android:layout\_height="501dp"  
 android:layout\_marginBottom="0dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginTop="8dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/tv\_name"  
 app:layout\_constraintVertical\_bias="0.058"  
 tools:layout\_conversion\_absoluteHeight="517dp"  
 tools:layout\_conversion\_absoluteWidth="384dp"  
 tools:layout\_conversion\_absoluteX="0dp"  
 tools:layout\_conversion\_absoluteY="50dp"** />  
</**android.support.constraint.ConstraintLayout**>

****