

REPORT 3

CHARACTERIZATION OF APPLICATION SCREENS .

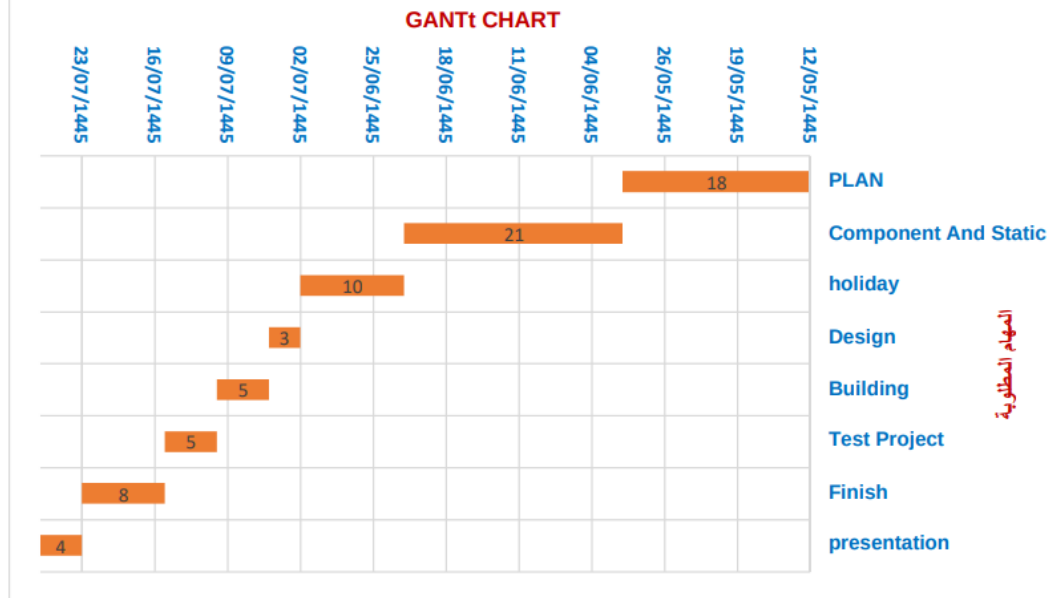
THE APPLICATION OF PERFORMING EDUCATIONAL AND INTERACTIVE TASKS BETWEEN THE STUDENT AND THE TEACHER.

PROJECT PLAN

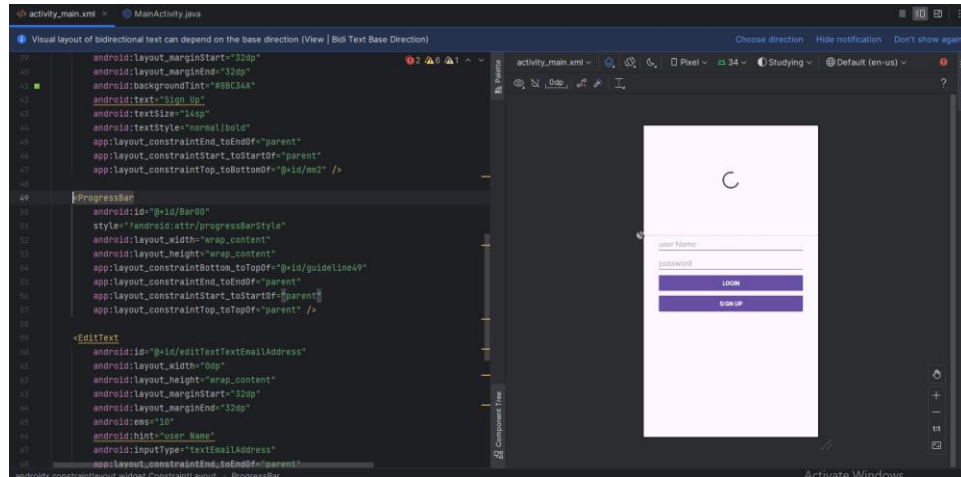
Gantt Chart

المدة الزمنية	نهاية المهمة	بداية المهمة	المهام المطلوبة	م
18	21/06/1445	12/06/1445	plan	1
21	23/06/1445	21/06/1445	static	2
10	29/06/1445	23/06/1445	holiday	3
3	05/07/1445	02/07/1445	design	4
5	10/07/1445	05/07/1445	building	5
5	15/07/1445	10/07/1445	test	6
8	23/07/1445	15/07/1445	finish	7
4	27/07/1445	23/07/1445	presentation	8

A mobile application that works with IOT technology to perform educational and interactive tasks Between the student and the teacher.



شاشة تسجيل الدخول



- 1- اذا كان المستخدم طالب, فسيقوم بادخال "اسم المستخدم وكلمة المرور" اللاتي أعطاها له المعلم.
- 2- اذا كان المستخدم هو المعلم, فسيقوم المعلم بادخال كلمة المرور واسم المستخدم اللذان لا يتغيران وثابتان للمعلم وهناك فرصه لتغييرها من خلال المعلم.

Code XML:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.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=".MainActivity">
```

```
<androidx.constraintlayout.widget.Guideline  
    android:id="@+id/guideline49"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:orientation="horizontal"  
    app:layout_constraintGuide_percent="0.35" />
```

```
<Button  
    android:id="@+id/mm2"  
    style="@style/Widget.AppCompat.Button.Colored"  
    android:layout_width="0dp"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="32dp"  
    android:layout_marginEnd="32dp"  
    android:backgroundTint="#8BC34A"  
    android:text="login"  
    android:textSize="14sp"  
    android:textStyle="normal|bold"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.0"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toBottomOf="@+id/editTextTextPassword" />
```

```
<Button  
    android:id="@+id/mm3"  
    style="@style/Widget.AppCompat.Button.Colored"  
    android:layout_width="0dp"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="32dp"  
    android:layout_marginEnd="32dp"  
    android:backgroundTint="#8BC34A"  
    android:text="Sign Up"
```

```

    android:textSize="14sp"
    android:textStyle="normal|bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/mm2" />

<ProgressBar
    android:id="@+id/Bar00"
    style="?android:attr/progressBarStyle"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintBottom_toTopOf="@+id/guideline49"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/editTextTextEmailAddress"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginEnd="32dp"
    android:ems="10"
    android:hint="user Name"
    android:inputType="textEmailAddress"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/guideline49" />

<EditText
    android:id="@+id/editTextTextPassword"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginEnd="32dp"
    android:ems="10"
    android:hint="password"

```

```
android:inputType="textPassword"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/editTextEmailAddress" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

CODE JAVA:

```
package com.example.studying;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

```

private EditText editTextUsername, editTextPassword;
private Button buttonLogin;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

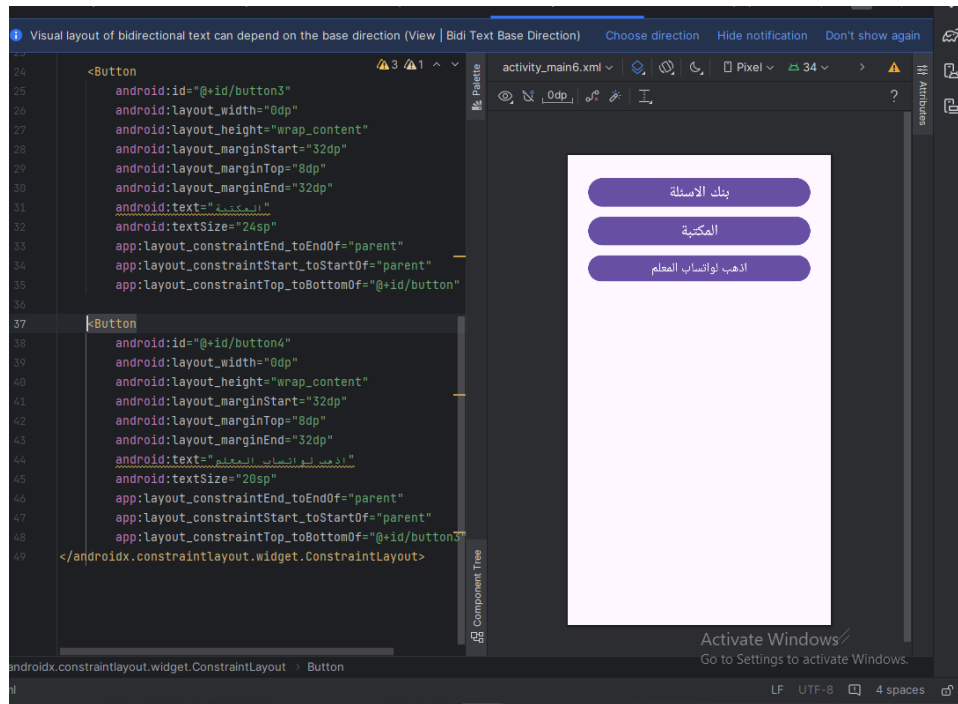
    // Initialize UI elements
    editTextUsername = findViewById(R.id.editTextUsername);
    editTextPassword = findViewById(R.id.editTextPassword);
    buttonLogin = findViewById(R.id.buttonLogin);

    // Set a click listener for the login button
    buttonLogin.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            // Retrieve entered username and password
            String username = editTextUsername.getText().toString();
            String password = editTextPassword.getText().toString();

            // Implement authentication logic here
            if (username.equals("Admin") && password.equals("123")) {
                // Successful login
                Toast.makeText(MainActivity.this, "Login successful", Toast.LENGTH_SHORT).show();
            } else {
                // Failed login
                Toast.makeText(MainActivity.this, "Invalid username or password", Toast.LENGTH_SHORT).show();
            }
        }
    });
}

```

شاشة الواجهة الرئيسية



Code XML:

```
<Button
    android:id="@+id/button"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginTop="32dp"
    android:layout_marginEnd="32dp"
    android:text="بنك الاسئلة"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
```



```

app:layout_constraintTop_toTopOf="parent" />

<Button
    android:id="@+id/button3"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="32dp"
    android:text="المكتبة"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button" />

<Button
    android:id="@+id/button4"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="32dp"
    android:text="اذهب لواتساب المعلم"
    android:textSize="20sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/button3" />

```

CODE JAVA:

```

package com.example.studying;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;

public class MainActivity6 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main6);
    }

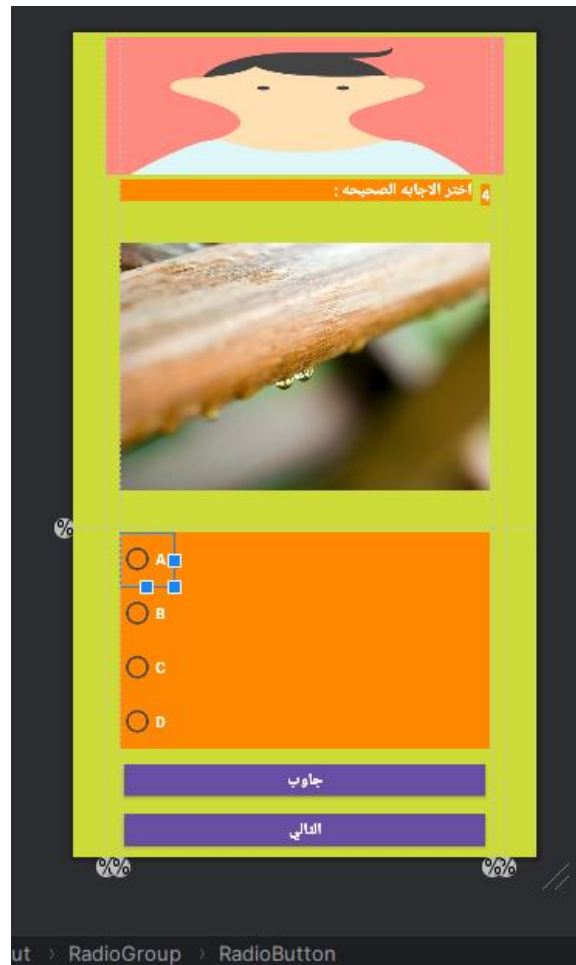
    public void question(View view) {
        Intent in = new Intent(MainActivity6.this, MainActivity3.class);
        startActivity(in);
    }

    public void library(View view) {
        Intent in = new Intent(MainActivity6.this, MainActivity4.class);
        startActivity(in);
    }

    public void whats(View view) {
        String url = "https://api.whatsapp.com/send?phone=+\"+966-----\"";
        Intent i = new Intent(Intent.ACTION_VIEW);
        i.setData(Uri.parse(url));
        startActivity(i);
    }
}

```

شاشة الاختبار والتصحيح الالي



يقوم الطالب بفتح الاختبار وظهور اسئلة الاختبار أمام الطالب ومن ثم اجابة الطالب على الاسئلة ويبدأ التصحيح الالي.

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.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=".MainActivity3">
```

```

<ImageView
android:id="@+id/hg"
android:layout_width="0dp"
android:layout_height="0dp"
android:scaleType="fitXY"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="1.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="1.0"
app:srcCompat="#CDDC39" />

<Button
android:id="@+id/answer"
style="@style/Widget.AppCompat.Button.Colored"
android:layout_width="0dp"
android:layout_height="40dp"
android:layout_marginBottom="4dp"
android:fontFamily="sans-serif-black"
android:onClick="Answer_Question"
android:text="جاوب"
android:textColor="#FFFFFF"
android:textSize="14sp"
app:layout_constraintBottom_toTopOf="@+id/next"
app:layout_constraintEnd_toStartOf="@+id/guideline7"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="@+id/guideline6" />

<ImageView
android:id="@+id/admin"
android:layout_width="0dp"
android:layout_height="122dp"
android:layout_marginTop="4dp"
android:background="@color/white"
android:scaleType="fitXY"
app:layout_constraintEnd_toStartOf="@+id/guideline4"
app:layout_constraintStart_toStartOf="@+id/guideline3"
app:layout_constraintTop_toTopOf="parent"
app:srcCompat="@android:drawable/btn_star_big_on"
tools:srcCompat="@tools:sample/avatars" />

<androidx.constraintlayout.widget.Guideline
android:id="@+id/guideline3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="vertical"

```

```
app:layout_constraintGuide_percent="0.07" />
```

```
<androidx.constraintlayout.widget.Guideline  
android:id="@+id/guideline4"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:orientation="vertical"  
app:layout_constraintGuide_percent="0.93" />
```

```
<TextView  
android:id="@+id/number_q"  
android:layout_width="0dp"  
android:layout_height="wrap_content"  
android:layout_marginTop="8dp"  
android:background="@android:color/holo_orange_dark"  
android:fontFamily="sans-serif-black"  
android:gravity="center"  
android:text="4"  
android:textColor="#FFFFFF"  
android:textSize="14sp"  
app:layout_constraintEnd_toStartOf="@+id/guideline7"  
app:layout_constraintTop_toBottomOf="@+id/admin" />
```

```
<TextView  
android:id="@+id/sqqq"  
android:layout_width="0dp"  
android:layout_height="wrap_content"  
android:layout_marginEnd="8dp"  
android:background="@android:color/holo_orange_dark"  
android:fontFamily="sans-serif-black"  
android:text="اختر الاجابه الصحيحه"  
android:textColor="#FFFFFF"  
android:textSize="14sp"  
app:layout_constraintBottom_toBottomOf="@+id/number_q"  
app:layout_constraintEnd_toStartOf="@+id/number_q"  
app:layout_constraintStart_toStartOf="@+id/guideline6"  
app:layout_constraintTop_toBottomOf="@+id/admin" />
```

```
<androidx.constraintlayout.widget.Guideline  
android:id="@+id/guideline5"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:orientation="horizontal"  
app:layout_constraintGuide_percent="0.6" />
```

```
<androidx.constraintlayout.widget.Guideline  
android:id="@+id/guideline6"  
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:orientation="vertical"
app:layout_constraintGuide_percent="0.1" />
```

```
<androidx.constraintlayout.widget.Guideline
android:id="@+id/guideline7"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="vertical"
app:layout_constraintGuide_percent="0.9" />
```

```
<Button
android:id="@+id/next"
style="@style/Widget.AppCompat.Button.Colored"
android:layout_width="0dp"
android:layout_height="40dp"
android:layout_marginBottom="4dp"
android:fontFamily="sans-serif-black"
android:onClick="Next_Question"
android:text="التالي"
android:textColor="#FFFFFF"
android:textSize="14sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toStartOf="@+id/guideline7"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="@+id/guideline6" />
```

```
<RadioGroup
android:id="@+id/radio"
android:layout_width="0dp"
android:layout_height="0dp"
android:layout_marginTop="4dp"
android:layout_marginBottom="8dp"
android:background="@android:color/holo_orange_dark"
android:gravity="center"
android:orientation="vertical"
app:layout_constraintBottom_toTopOf="@+id/answer"
app:layout_constraintEnd_toStartOf="@+id/guideline7"
app:layout_constraintStart_toStartOf="@+id/guideline6"
app:layout_constraintTop_toTopOf="@+id/guideline5">
```

```
<RadioButton
android:id="@+id/r1"
style="@android:style/Widget.CompoundButton.RadioButton"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_gravity="right|fill_horizontal"
android:backgroundTint="#FFA000"
```

```

android:buttonTint="#FFFFFF"
android:drawableTint="#FFA000"
android:focusable="auto"
android:fontFamily="sans-serif-black"
android:foregroundTint="#FFA000"
android:onClick="R1"
android:paddingRight="@dimen/activity_horizontal_margin"
android:shadowColor="#FFA000"
android:text="A"
android:textColor="#FFFFFF"
android:textSize="14sp"
android:textStyle="bold" />

```

<RadioButton

```

android:id="@+id/r2"
android:layout_width="wrap_content"

```

```

android:layout_height="wrap_content"
android:layout_gravity="right|fill_horizontal"
android:backgroundTint="#FFA000"
android:buttonTint="#FFFFFF"
android:drawableTint="#FFA000"
android:fontFamily="sans-serif-black"
android:foregroundTint="#FFA000"
android:onClick="R2"
android:paddingRight="@dimen/activity_horizontal_margin"
android:shadowColor="#FFA000"
android:text="B"
android:textColor="#FFFFFF"
android:textSize="14sp" />

```

<RadioButton

```

android:id="@+id/r3"
android:layout_width="wrap_content"

```

```

android:layout_height="wrap_content"
android:layout_gravity="right|fill_horizontal"
android:backgroundTint="#FFA000"
android:buttonTint="#FFFFFF"
android:drawableTint="#FFA000"
android:fontFamily="sans-serif-black"
android:foregroundTint="#FFA000"
android:onClick="R3"
android:paddingRight="@dimen/activity_horizontal_margin"
android:shadowColor="#FFA000"
android:text="C"
android:textColor="#FFFFFF"
android:textSize="14sp" />

```

```

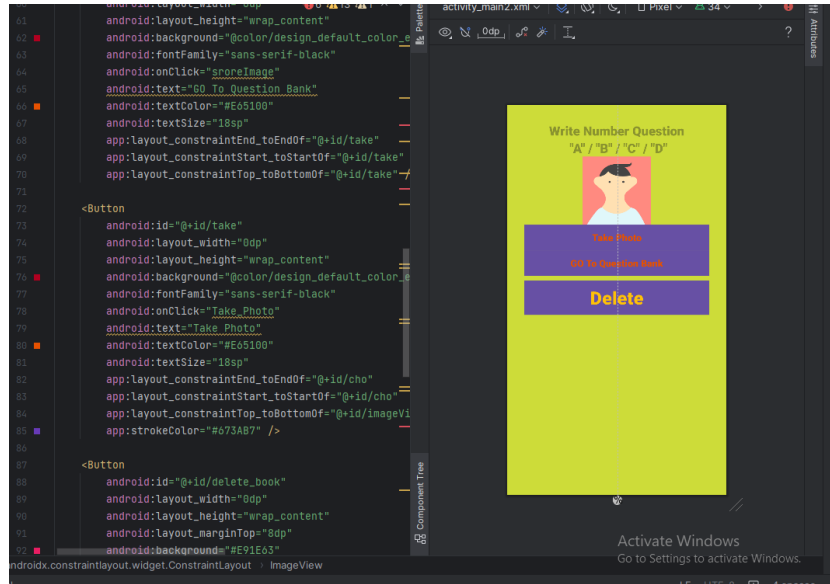
<RadioButton
android:id="@+id/r4"
android:layout_width="wrap_content"

android:layout_height="wrap_content"
android:layout_gravity="right|fill_horizontal"
android:backgroundTint="#FFA000"
android:buttonTint="#FFFFFF"
android:drawableTint="#FFA000"
android:fontFamily="sans-serif-black"
android:foregroundTint="#FFA000"
android:onClick="R4"
android:paddingRight="@dimen/activity_horizontal_margin"
android:shadowColor="#FFA000"
android:text="D"
android:textColor="#FFFFFF"
android:textSize="14sp" />
</RadioGroup>

<ImageView
android:id="@+id/imageView2"
android:layout_width="0dp"
android:layout_height="0dp"
app:layout_constraintBottom_toTopOf="@+id/rdio"
app:layout_constraintEnd_toStartOf="@+id/guideline7"
app:layout_constraintStart_toStartOf="@+id/guideline6"
app:layout_constraintTop_toBottomOf="@+id/sqqq"
tools:srcCompat="@tools:sample/backgrounds/scenic" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

اضافة المعلم السؤال صورة ورقم السؤال مع اجابته وامكانية حذفه.

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<androidx.constraintlayout.widget.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=".MainActivity2">
```

```
<ImageView
```

```
    android:id="@+id/obr"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:scaleType="fitXY"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.0"
    app:srcCompat="#CDDC39" />
```

```
<EditText
```

```
    android:id="@+id/n_q"
```

```

android:layout_width="0dp"
android:layout_height="wrap_content"
android:layout_marginStart="32dp"
android:layout_marginTop="32dp"
android:layout_marginEnd="32dp"
android:background="@drawable/shape"
android:ems="10"
android:fontFamily="sans-serif-black"
android:gravity="center"
android:hint="Write Number Question"
android:inputType="textPersonName"
android:textColor="#00FFFF"
android:textSize="24sp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/obr" />

```

<EditText

```

android:id="@+id/cho"
android:layout_width="0dp"
android:layout_height="wrap_content"
android:background="@drawable/shape"
android:ems="10"
android:fontFamily="sans-serif-black"
android:gravity="center"
android:hint="A" / "B" / "C" / "D"
android:inputType="textPersonName"
android:textColor="#00FFFF"
android:textSize="24sp"
app:layout_constraintEnd_toEndOf="@+id/n_q"
app:layout_constraintStart_toStartOf="@+id/n_q"
app:layout_constraintTop_toBottomOf="@+id/n_q" />

```

<Button

```

android:id="@+id/add_liboo"
android:layout_width="0dp"
android:layout_height="wrap_content"
android:background="@color/design_default_color_error"
android:fontFamily="sans-serif-black"
android:onClick="sroreImage"
android:text="GO To Question Bank"
android:textColor="#E65100"
android:textSize="18sp"
app:layout_constraintEnd_toEndOf="@+id/take"

```

```

app:layout_constraintStart_toStartOf="@+id/take"
app:layout_constraintTop_toBottomOf="@+id/take" />

<Button
    android:id="@+id/take"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:background="@color/design_default_color_error"
    android:fontFamily="sans-serif-black"
    android:onClick="Take_Photo"
    android:text="Take Photo"
    android:textColor="#E65100"
    android:textSize="18sp"
    app:layout_constraintEnd_toEndOf="@+id/cho"
    app:layout_constraintStart_toStartOf="@+id/cho"
    app:layout_constraintTop_toBottomOf="@+id/imageView"
    app:strokeColor="#673AB7" />

```

```

<Button
    android:id="@+id/delete_book"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="#E91E63"
    android:backgroundTint="#E91E63"
    android:fontFamily="sans-serif-black"
    android:onClick="Delete"
    android:text="Delete"
    android:textColor="#FFC107"
    android:textColorHighlight="#E91E63"
    android:textColorLink="#E91E63"
    android:textSize="34sp"
    app:layout_constraintEnd_toEndOf="@+id/add_liboo"
    app:layout_constraintStart_toStartOf="@+id/add_liboo"
    app:layout_constraintTop_toBottomOf="@+id/add_liboo" />

```

```

<ProgressBar
    android:id="@+id/progressBar"
    style="?android:attr/progressBarStyle"
    android:layout_width="66dp"
    android:layout_height="67dp"
    android:visibility="invisible"
    tools:layout_editor_absoluteX="173dp"
    tools:layout_editor_absoluteY="73dp" />

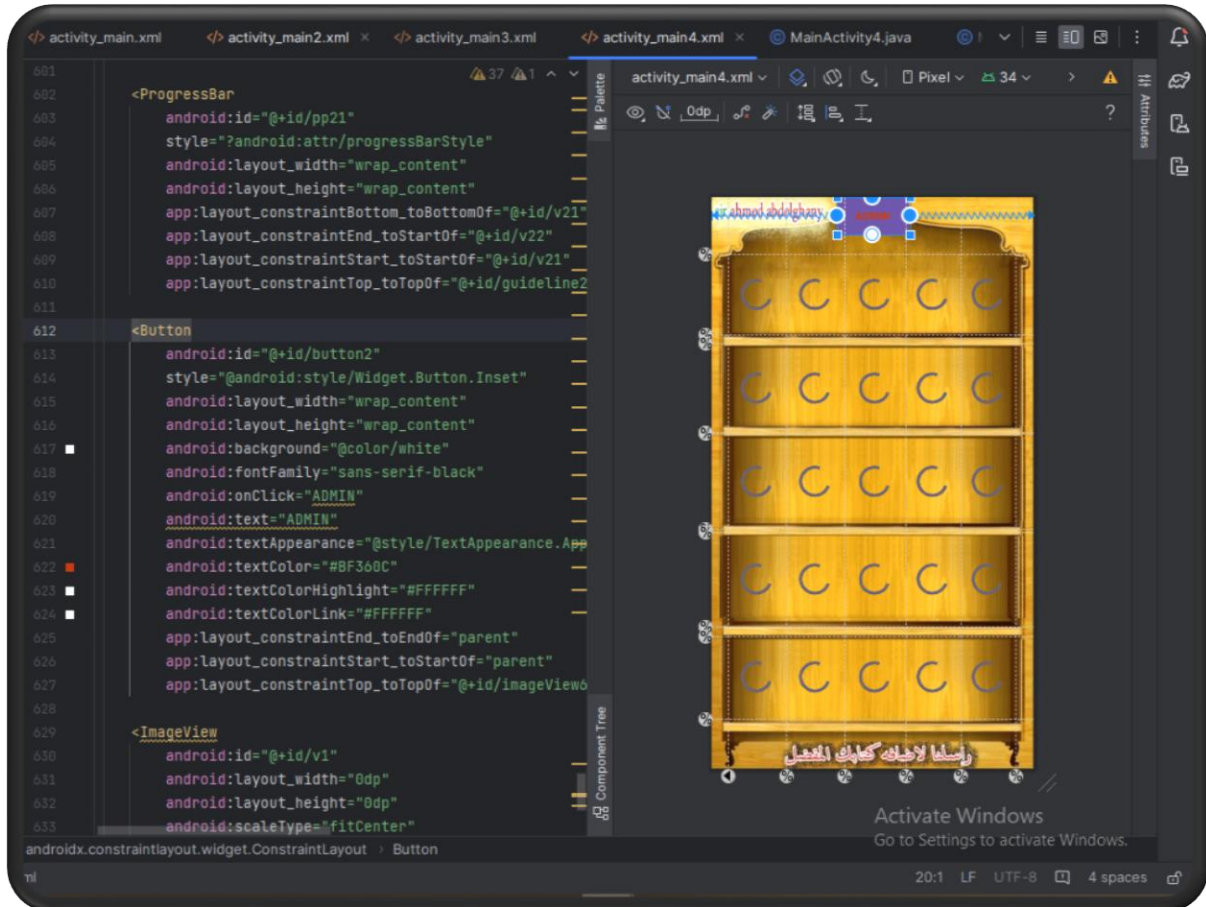
```

```
<androidx.constraintlayout.widget.Guideline
    android:id="@+id/guideline32"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    app:layout_constraintGuide_percent="0.5" />

<ImageView
    android:id="@+id/imageView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintEnd_toEndOf="@+id/cho"
    app:layout_constraintStart_toStartOf="@+id/cho"
    app:layout_constraintTop_toBottomOf="@+id/cho"
    tools:srcCompat="@tools:sample/avatars" />

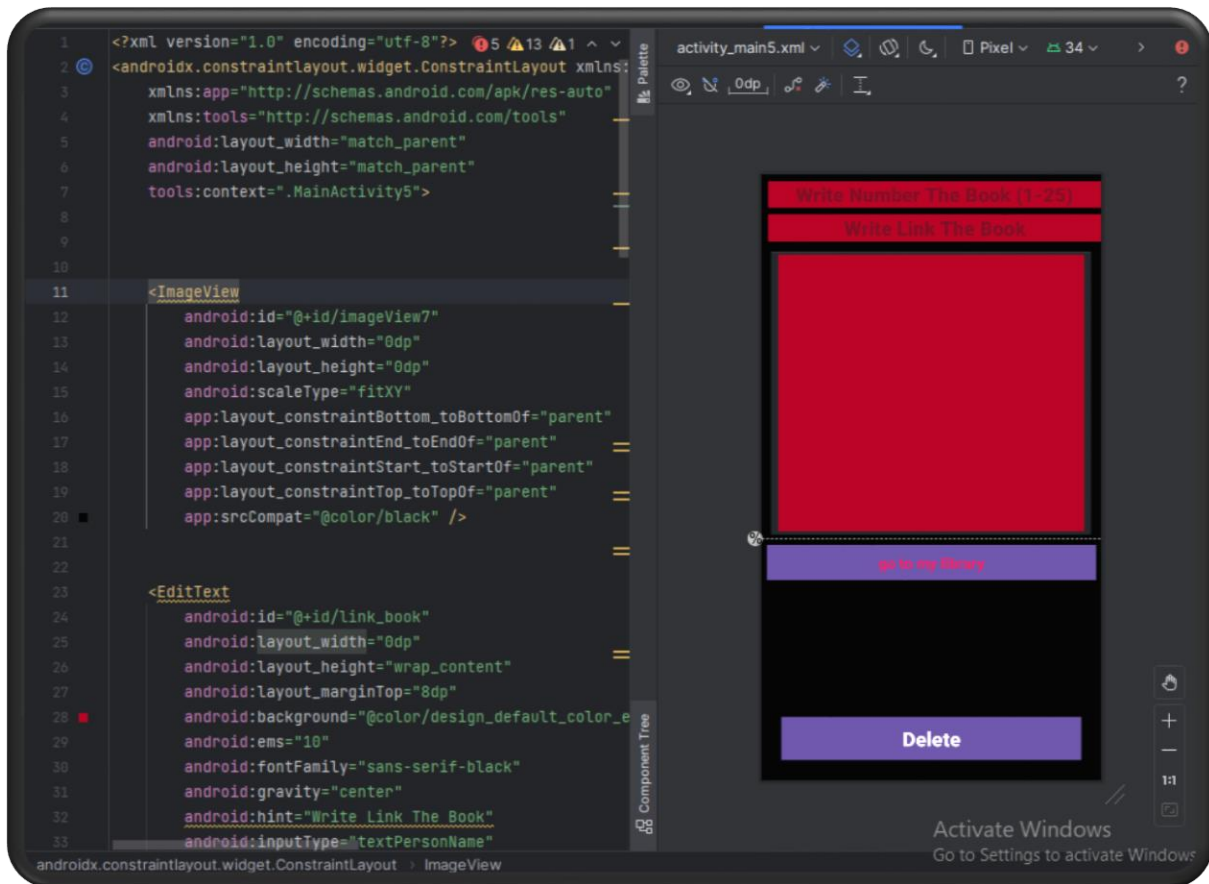
</androidx.constraintlayout.widget.ConstraintLayout>
```

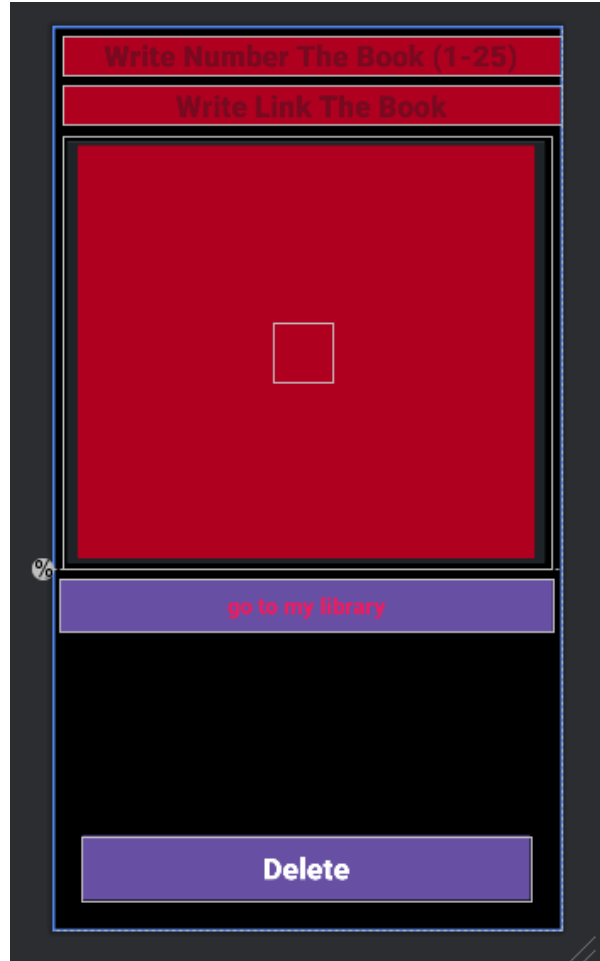
شاشة المكتبة والكتب





يقوم الطالب بفتح المكتبة لاختيار الكتاب الذي انزله المعلم للطلاب.





- 1- اضافة المعلم صورة لغلاف الكتاب.
- 2- اضافة المعلم رقم الكتاب.
- 3- لا يمكن اضافة اكثر من 25 كتاب.
- 4- امكانية المعلم لحذف الكتاب.
- 5- وضع المعلم رابط الذهاب للكتاب عند ضغط الطالب على الكتاب.

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<androidx.constraintlayout.widget.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=".MainActivity5">
```

```
<ImageView
android:id="@+id/imageView7"
android:layout_width="0dp"
android:layout_height="0dp"
android:scaleType="fitXY"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:srcCompat="@color/black" />
```

```
<EditText
android:id="@+id/link_book"
android:layout_width="0dp"
android:layout_height="wrap_content"
android:layout_marginTop="8dp"
android:background="@color/design_default_color_error"
android:ems="10"
android:fontFamily="sans-serif-black"
android:gravity="center"
android:hint="Write Link The Book"
android:inputType="textPersonName"
android:textColor="#FFFFFF"
android:textSize="24sp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="@+id/golaf"
```

```
app:layout_constraintTop_toBottomOf="@+id/number_book" />
```

```
<ImageButton
```

```
android:id="@+id/golaf"
```

```
style="@android:style/Widget.Holo.ImageButton"
```

```
android:layout_width="0dp"
```

```
android:layout_height="0dp"
```

```
android:layout_marginStart="8dp"
```

```
android:layout_marginTop="8dp"
```

```
android:layout_marginEnd="8dp"
```

```
android:scaleType="fitCenter"
```

```
app:layout_constraintBottom_toTopOf="@+id/guideline57"
```

```
app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintHorizontal_bias="1.0"
```

```
app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toBottomOf="@+id/link_book"
```

```
app:srcCompat="@color/design_default_color_error" />
```

```
<Button
```

```
android:id="@+id/add_liboo"
```

```
android:layout_width="399dp"
```

```
android:layout_height="43dp"
```

```
android:layout_marginTop="8dp"
```

```
android:background="@color/design_default_color_error"
```

```
android:fontFamily="sans-serif-black"
```

```
android:onClick="add_library"
```

```
android:text="go to my library"
```

```
android:textColor="#E91E63"
```

```
android:textSize="18sp"
```

```
app:layout_constraintEnd_toEndOf="@+id/golaf"
```

```
app:layout_constraintStart_toStartOf="@+id/golaf"
```

```
app:layout_constraintTop_toBottomOf="@+id/golaf" />
```

```
<EditText
```

```
android:id="@+id/number_book"
```

```

    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@color/design_default_color_error"
    android:ems="10"
    android:fontFamily="sans-serif-black"
    android:gravity="center"
    android:hint="Write Number The Book (1-25)"
    android:inputType="textPersonName"
    android:textColor="#0FFFFFFF"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="@+id/golaf"
    app:layout_constraintTop_toTopOf="@+id/imageView7" />

```

<Button

```

    android:id="@+id/delete_book"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginEnd="24dp"
    android:layout_marginBottom="24dp"
    android:background="#9F3030"
    android:fontFamily="sans-serif-black"
    android:onClick="delete"
    android:text="Delete"
    android:textColor="#FFFFFFF"
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="@+id/imageView7"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent" />

```

<ProgressBar

```

    android:id="@+id/m_bar"
    style="?android:attr/progressBarStyle"

```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:visibility="invisible"
app:layout_constraintBottom_toBottomOf="@+id/golaf"
app:layout_constraintEnd_toEndOf="@+id/golaf"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/golaf" />
```

```
<androidx.constraintlayout.widget.Guideline
android:id="@+id/guideline57"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="horizontal"
app:layout_constraintGuide_percent="0.6" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```