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MAD - LAB

External Examination

CSE-B

23/11/20

Application for progress Dialog box.

Android Manifest . xml

```xml
<?xml version ="1.0" encoding -"utf-8"?>
<manifest xmlns:android ="http://schemas.android.com/
                              apk/res /android"
     package ="com. example. progrees_dialog">
  <application
          android :allow Backup = "true"
          android: icon = "@mipmap /ic_launcher'
          android: label= "Progress_Dialog"
          android: roundIcon = "@mipmap /ic_launcher_round"
          android : supportsRti="true'
          android : theme ="@style /App Theme">
      <activity android:name =". MainActivity ">
          <intent_filter>
             <action android:name="android.intent.
                                    action. Main"/>
             <category android:name="android. intent.
                                   category. LAUNCHER"/>
          </intent_filter>
      </activity>
  </application>
</manifest>
```

## Android_main.xml

```xml
<?xml version ="1.0" encoding="utf-8"?>
< LinearLayout xmlns:android="http://schemas.android.
                                com/apk/res/android"
    xmlns: app= "http://schemas.android.com/apk/res_auto'
    xmlns: layout_width ="match_parent"
    xmlns: layout_height="match_parent"
    android: orientation="vertical"
    tools: context =". MainActivity">

    < Button
        android: id ="@+id/button1"
        android : layout_width ="match_parent"
        android: layout_height= "wrap_content"
        android: text =" Download"
        android : onClick =" download"/>
</LinearLayout>
```

## MainActivity.java

```java
package com.example.progress_dialog;
import androidx. appcompat. app. AlertDialog;
import androidx. appcompat. app. ProgressDialog;
import androidx. appcompat. app. AppCompatActivity;
import android. content. DialogInterface;
import android. os. Bundle;
import android. view. View;
import android. widget. Toast;
```

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```java
public class MainActivity extends AppCompatActivity {
    ProgressDialog progress;
    protected void onCreate (Bundle savedInstanceState) {
        super.onCreate (savedInstanceState);
        setContentView (R.layout.activity_main);
        public void download (View view) {
            progress = new ProgressDialog (this).
            progress. setMessage ("Downloading Music");
            progress. setProgressStyle (ProgressDialog.
                                        STYLE_SPINNER).
            progress. setIndeterminate (true).
            progress. setProgress (0);
            progress. show ();
            final int totalProgressTime = 100;
            final Thread t = new Thread () {
                public void run () {
                    int jumpTime = 0;
                    while (jumpTime < totalProgressTime) {
                        try {
                            sleep (200),
                            jumpTime += 5;
                            progress. setProgress (jumpTime).
                        } catch (InterruptedException e) {
                            e.printStackTrace();
                        }
                    }
```

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```
t. start();
        }
    }
```