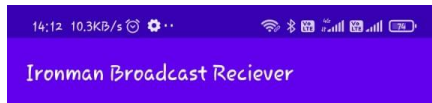


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1.

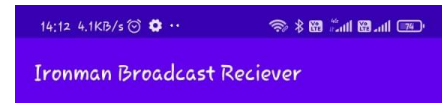


from

TONY STARK



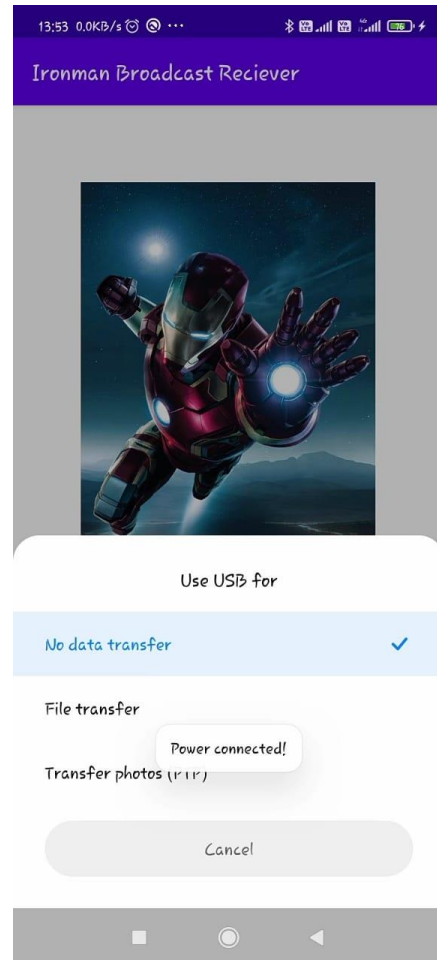
2.



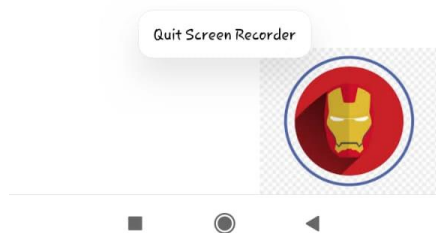
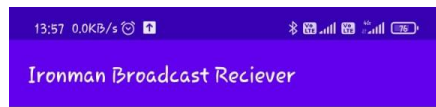
3.



4.



5.



XML CODES:

1.

```

<?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">

    <com.airbnb.lottie.LottieAnimationView
        android:id="@+id/animation_view"
        android:layout_width="287dp"
        android:layout_height="324dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.6"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.248"
        app:lottie_autoPlay="true"
        app:lottie_fileName="ironman.json"
        app:lottie_loop="true"
        tools:ignore="MissingConstraints" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="206dp"
        android:layout_height="50dp"
        android:gravity="center"
        android:text="from "
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/animation_view" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="206dp"
        android:layout_height="50dp"
        android:gravity="center"
        android:text="TONY STARK "
        android:textColor="#000"
        android:textStyle="bold"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView"
        app:layout_constraintVertical_bias="0.0" />

```

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

2.

```
<?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/imageView"
        android:layout_width="298dp"
        android:layout_height="376dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.492"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.219"
        app:srcCompat="@drawable/ironman1" />

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="138dp"
        android:layout_height="93dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.941"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.974"
        app:srcCompat="@drawable/ironman2" />

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

JAVA CODES

1.

```
package com.example.ironmanbroadcastreciever;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;

import java.util.Timer;
import java.util.TimerTask;

public class MainActivity extends AppCompatActivity {
    Timer timer;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        timer=new Timer();
        timer.schedule(new TimerTask() {
            @Override
            public void run() {
                Intent intent =new Intent(getApplicationContext(),MainActivity2.class);
                startActivity(intent);
            }
        },5000);
    }
}
```

2.

```

package com.example.ironmanbroadcastreciever;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;
import android.net.wifi.WifiManager;
import android.net.wifi.aware.WifiAwareManager;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.Toast;

public class MainActivity2 extends AppCompatActivity {
    private WifiManager wifiManager;
    ImageView imageView,imageView2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        wifiManager = (WifiManager)
getApplicationContext().getSystemService(Context.WIFI_SERVICE);
        imageView=findViewById(R.id.imageView);
        imageView2=findViewById(R.id.imageView2);

        imageView.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                wifiManager.setWifiEnabled(true);
                Toast.makeText(MainActivity2.this,"Jarvis turn on the
Wifi",Toast.LENGTH_LONG).show();
            }
        });
        imageView2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                wifiManager.setWifiEnabled(false);
                Toast.makeText(MainActivity2.this,"Jarvis turn off the
Wifi",Toast.LENGTH_LONG).show();
            }
        });
    }
}

```


3.

HOPReciever.java

```

package com.example.ironmanbroadcastreciever;

import android.app.Notification;
import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.graphics.Color;
import android.os.Build;
import android.widget.Toast;

import androidx.core.app.NotificationCompat;

public class HOPReceiver extends BroadcastReceiver {

    @Override
    public void onReceive(Context context, Intent i) {
        if(i.getAction().equals("android.intent.action.BATTERY_LOW")){
            abc(context,"Battery","LOW",0);
            Toast.makeText(context,"Battery is LOW",Toast.LENGTH_LONG).show();
        }
        else if(i.getAction().equals("android.intent.action.ACTION_POWER_CONNECTED")){
            abc(context,"Power","Connected",1);
            Toast.makeText(context,"Power is Connected",Toast.LENGTH_LONG).show();
        }
        else
        if(i.getAction().equals("android.intent.action.ACTION_POWER_DISCONNECTED")){
            abc(context,"Power","Disconnected",2);
            Toast.makeText(context,"Power is Disconnected",Toast.LENGTH_LONG).show();
        }
        else if(i.getAction().equals("android.intent.action.HEADSET_PLUG")){
            abc(context,"EAR PHONES","PLUGED",3);
            Toast.makeText(context,"JBL EarPhone is Plugged",Toast.LENGTH_LONG).show();
        }
        else if(i.getAction().equals("android.intent.action.SCREEN_OFF")){
            abc(context,"Screen","Off",4);
            Toast.makeText(context,"Mobile Screen is OFFF",Toast.LENGTH_LONG).show();
        }
        else if(i.getAction().equals("android.intent.action.SCREEN_ON")){
            abc(context,"Screen","On",5);
            Toast.makeText(context,"Mobile Screen is ONNNN",Toast.LENGTH_LONG).show();
        }
        else if(i.getAction().equals("android.intent.action.BOOT_COMPLETED")){
            abc(context,"Screen","On",5);
            Toast.makeText(context,"Boot Completed",Toast.LENGTH_LONG).show();
        }
    }
}

```

```

// TODO: This method is called when the BroadcastReceiver is receiving
// an Intent broadcast.
//throw new UnsupportedOperationException("Not yet implemented");
}

private void abc(Context context,String body,String title, int notifyid){
    Intent i = new Intent(context , MainActivity2.class);
    PendingIntent pi = PendingIntent.getActivity(context,0,i,0);
    NotificationManager notificationManager = (NotificationManager)
context.getSystemService(Context.NOTIFICATION_SERVICE);
    if(Build.VERSION.SDK_INT >= Build.VERSION_CODES.O){
        NotificationChannel notificationChannel = new
NotificationChannel("1","MyNotifications",NotificationManager.IMPORTANCE_HIGH);
        notificationChannel.setDescription(body);
        notificationChannel.enableLights(true);
        notificationChannel.setLightColor(Color.RED);

notificationChannel.setLockscreenVisibility(Notification.VISIBILITY_PUBLIC);
        notificationChannel.setVibrationPattern(new long[]{0,1000,500,1000});
        notificationChannel.enableVibration(true);
        notificationManager.createNotificationChannel(notificationChannel);

    }

    NotificationCompat.Builder notificationBuilder = new
NotificationCompat.Builder(context,"1");
    notificationBuilder.setAutoCancel(true)
        .setDefaults(Notification.DEFAULT_ALL)
        .setWhen(System.currentTimeMillis())
        .setSmallIcon(R.drawable.notify)
        .setTicker("Hearty365")
        .setPriority(Notification.PRIORITY_MAX)
        .setOngoing(true)
        .setContentTitle((title))
        .setColor((context.getResources().getColor(R.color.purple_200)))
        .setContentInfo("Info")
        .setContentIntent(pi);
    notificationManager.notify(notifyid,notificationBuilder.build());
}
}

```

