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**Chapter 10:**

**Java classes:**

MainActivity.java

```
package com.example.chapter10;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.webkit.WebView;
import android.webkit.WebViewClient;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Intent i = new Intent(this,webview.class);

        Button b1=null,b2=null;

        b1 = findViewById(R.id.b1);
        b2 = findViewById(R.id.b2);

        b1.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                //

                i.putExtra("website",0);
```

```

startActivity(i);
}
});
b2.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
//
i.putExtra("website",1);
startActivity(i);
}
});
}
}

```

webview.java

```

package com.example.chapter10;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.webkit.WebView;
import android.webkit.WebViewClient;

public class webview extends AppCompatActivity {
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_webview);
WebView webView = findViewById(R.id.webview1);
webView.getSettings().setJavaScriptEnabled(true);
webView.getSettings().setDomStorageEnabled(true);
Bundle b= getIntent().getExtras();
switch(b.getInt("website")){

```

```

case 0:{
webView.loadUrl("https://facebook.com");
webView.setWebViewClient(new WebViewClient() {
@Override
public boolean shouldOverrideUrlLoading(Webview view, String url){
// do your handling codes here, which url is the requested url
// probably you need to open that url rather than redirect:
view.loadUrl(url);
return false; // then it is not handled by default action
}
@Override
public void onPageFinished(Webview view, String url) {
// do your stuff here
super.onPageFinished(view, url);
webView.loadUrl("javascript: var
x=document.getElementById('m_login_email').value='user123';");
webView.loadUrl("javascript: var
y=document.getElementById('m_login_password').value='password123';");
}
});
break;
}
case 1:{

webView.loadUrl("https://www.google.com/maps/@32.46608775788683,74.51402
883432716,17z");
webView.setWebViewClient(new WebViewClient() {
@Override
public boolean shouldOverrideUrlLoading(Webview view, String url){

```

```

// do your handling codes here, which url is the requested url
// probably you need to open that url rather than redirect:
view.loadUrl(url);
return false; // then it is not handled by default action
}
});
break;
}
}
}
}
}
}

```

XML layouts:

activity\_main.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:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:textSize="20sp"
        android:text="Facebook"
    />

```

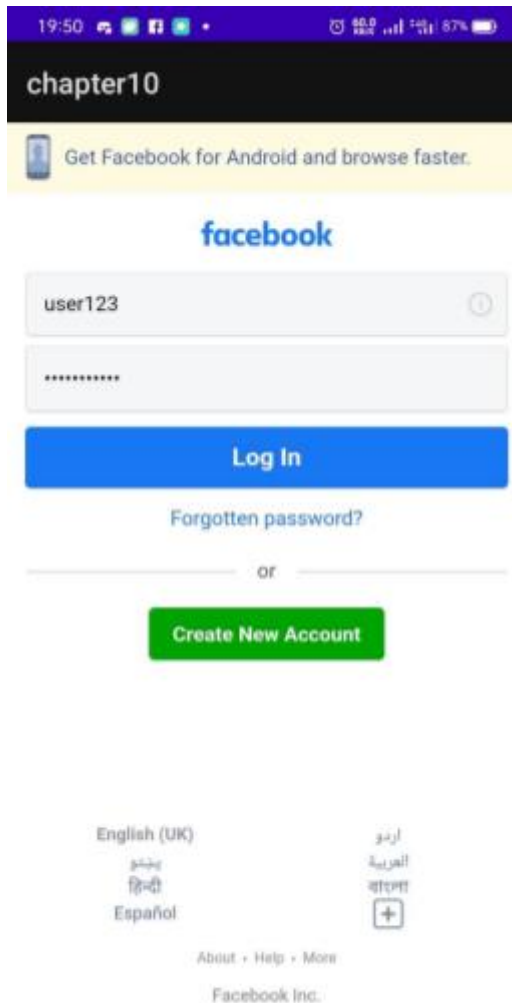
```
<Button
android:id="@+id/b2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_gravity="center"
android:textSize="20sp"
android:text="google map"
/>
```

```
</LinearLayout>
```

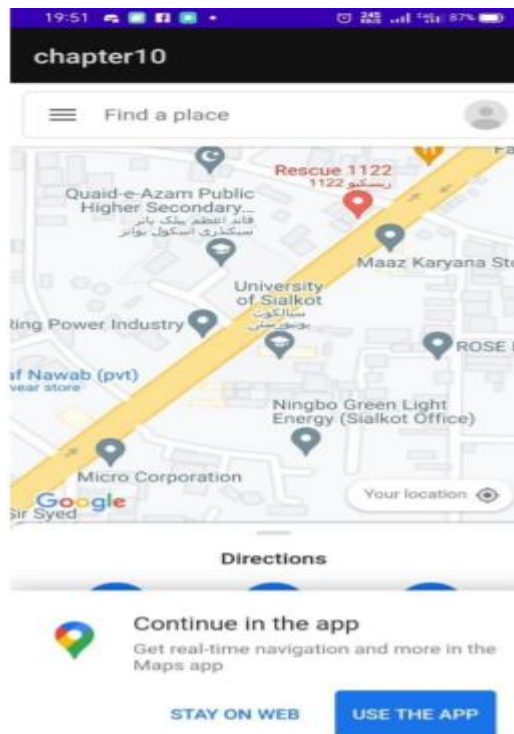
activity\_webview.xml

```
<?xml version="1.0" encoding="utf-8"?>
<WebView 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:id="@+id/webview1"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical"
tools:context=".webview">
</WebView>
```

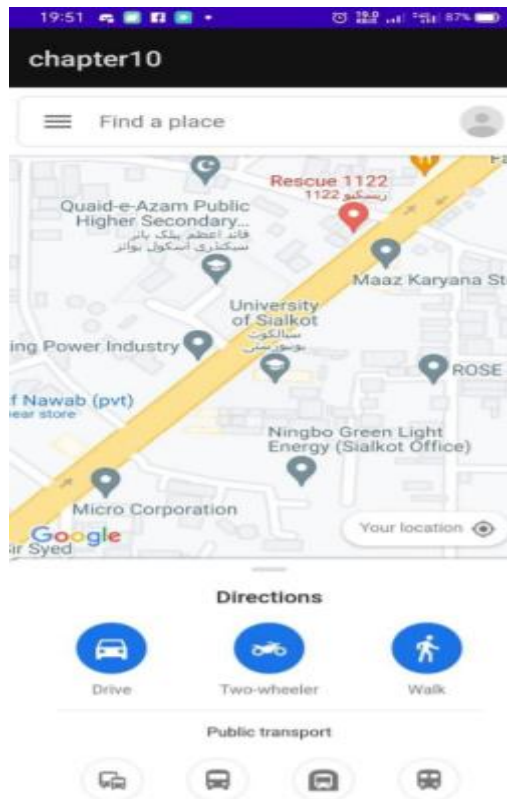
## Screenshots:











## Chapter 11

### Java classes:

customtoast.java

```
package com.example.chapter11;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.os.Bundle;
```

```
import android.view.Gravity;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.Toast;
```

```
public class customtoast extends AppCompatActivity {
```

```
    EditText xBox;
```

```

EditText yBox;

Button btn1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_customtoast);

xBox = (EditText)findViewById(R.id.xBox);

yBox = (EditText)findViewById(R.id.yBox);

btn1 = (Button)findViewById(R.id.btn1);

btn1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

try {

Toast myToast = Toast.makeText(

getApplicationContext(),

"Saludos amigos \n Hasta la vista",

Toast.LENGTH_LONG);

myToast.setGravity(Gravity.CENTER,

Integer.valueOf(xBox.getText().toString()),

Integer.valueOf(yBox.getText().toString()) );

myToast.show();

} catch (NumberFormatException e) {

Toast.makeText(getApplicationContext(),

e.getMessage(),

Toast.LENGTH_LONG).show();

}

} // onClick

}); // listener

}

```

```
}
```

MainActivity.java

```
package com.example.chapter11;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    Button btnGo;

    EditText txtMsg;

    String msg;

    Button b2;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        txtMsg = findViewById(R.id.txtMsg);

        btnGo = findViewById(R.id.btnGo);

        btnGo.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                AlertDialog dialBox = createDialogBox();

                dialBox.show();

                txtMsg.setText("I am here! ");
```

```

}

});

b2 = findViewById(R.id.b2);

b2.setOnClickListener(new View.OnClickListener() {

String msg2 = "Hello! how are you doing today?";

@Override

public void onClick(View view) {

Toast.makeText(getApplicationContext(),msg2,Toast.LENGTH_LONG).show();

}

});

Button btnToast = findViewById(R.id.btnToast);

btnToast.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

startActivity(new Intent(getApplicationContext(),customtoast.class));

}

});

}

private AlertDialog createDialogBox() {

AlertDialog myQuittingDialogBox =

new AlertDialog.Builder(this)

//set message, title, and icon

setTitle("Terminator")

.setMessage("Are you sure that you want to quit?")

//.setIcon(R.drawable.ic_menu_end_conversation)

//set three option buttons

.setPositiveButton("Yes", new DialogInterface.OnClickListener() {

public void onClick(DialogInterface dialog, int whichButton) {

```

```

msg = "YES " + Integer.toString(whichButton);
txtMsg.setText(msg);
}
})//setPositiveButton

.setNeutralButton("Cancel",new DialogInterface.OnClickListener() {
public void onClick(DialogInterface dialog, int whichButton) {
//whatever should be done when answering "CANCEL" goes here
msg = "CANCEL " + Integer.toString(whichButton);
txtMsg.setText(msg);
} //OnClick
})//setNeutralButton

.setNegativeButton("NO", new DialogInterface.OnClickListener() {
public void onClick(DialogInterface dialog, int whichButton) {
//whatever should be done when answering "NO" goes here
msg = "NO " + Integer.toString(whichButton);
txtMsg.setText(msg);
}
})//setNegativeButton

.create();

return myQuittingDialogBox;
}
}

```

XML layouts:

activity\_customtoast.xml

```

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

<TableLayout 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:id="@+id/myTableLayout"

```

```
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="#ff0000ff"
android:orientation="vertical"
android:stretchColumns="1,2"
tools:context=".customtoast">
<TableRow
android:layout_height="match_parent"
android:layout_width="match_parent"
android:orientation="horizontal"
>
<TextView
android:id="@+id/myCaption"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:background="#ff009999"
android:text="Testing Toast - Gravity.CENTER 320x480 pixels"
android:gravity="center"
android:layout_span="2"
/>
</TableRow>
<TableRow
android:id="@+id/myRow1"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:background="#ff0000ff"
android:padding="10px"
android:orientation="horizontal"
>
```

```
<TextView
android:id="@+id/xLabel"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="X offset: "
android:textSize="18sp"
/>
<EditText
android:id="@+id/xBox"
android:layout_height="wrap_content"
android:layout_width="wrap_content"
android:textSize="18sp"
android:text="0"
/>
</TableRow>
<TableRow
android:id="@+id/myRow2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:background="#ff0000ff"
android:padding="10px"
android:orientation="horizontal"
>
<TextView
android:id="@+id/yLabel"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Y offset: "
android:textSize="18sp"
```

```

/>
<EditText
    android:id="@+id/yBox"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:textSize="18sp"
    android:text="0"
/>
</TableRow>
<TableRow
    android:id="@+id/myRow3"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#ff0000ff"
    android:padding="10px"
    android:orientation="horizontal"
>
<Button
    android:id="@+id/btn1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=" Show Toast "
    android:layout_span="2"
>
</Button>
</TableRow>
</TableLayout>
activity_main.xml
<?xml version="1.0" encoding="utf-8"?>

```

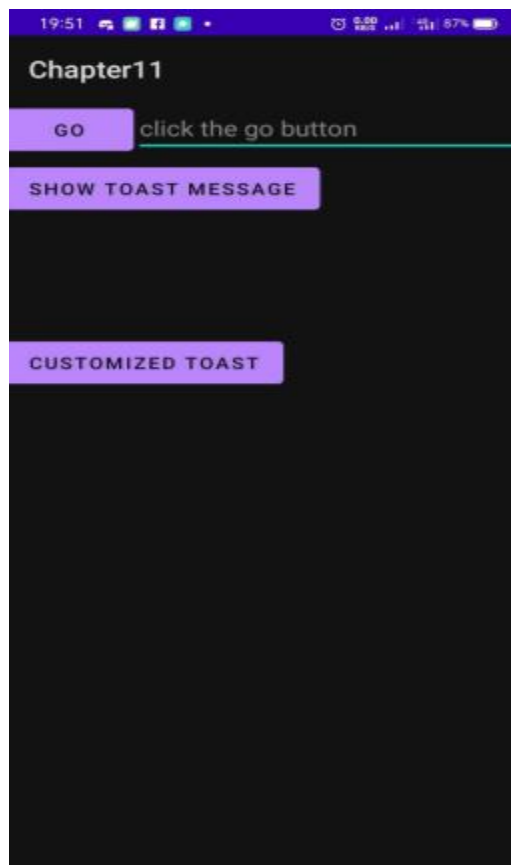
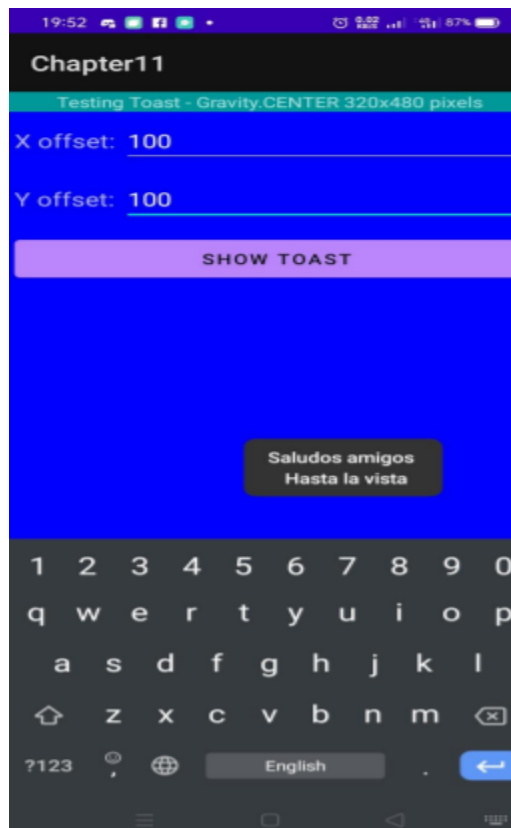


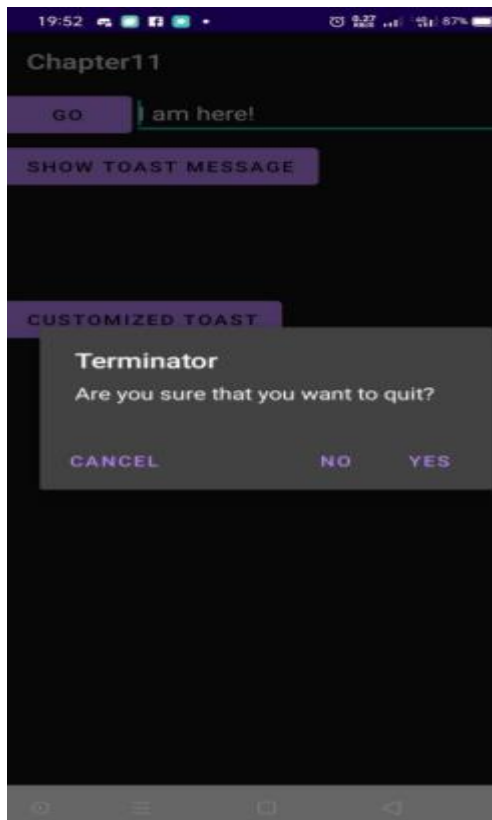
```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:orientation="horizontal"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <Button
        android:text="GO"
        android:id="@+id/btnGo"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content">
    </Button>
    <EditText
        android:hint="click the go button"
        android:id="@+id/txtMsg"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_toRightOf="@+id/btnGo"
    >
    </EditText>
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/b2"
        android:text="show toast message"
        android:layout_marginTop="50dp"
        android:layout_gravity="left"
    />
```

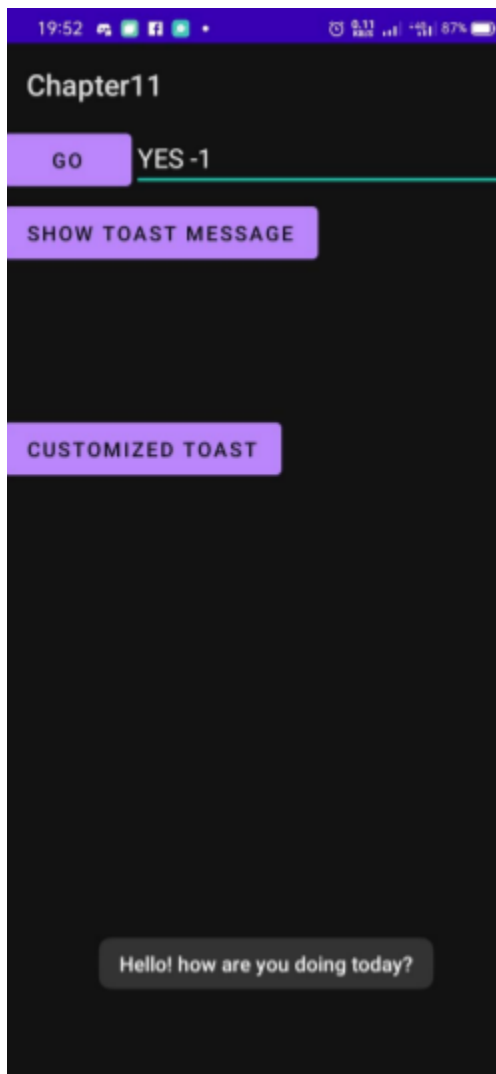
```
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Customized toast"
    android:id="@+id/btnToast"
    android:layout_below="@id/b2"
    android:layout_marginTop="100sp"
/>
</RelativeLayout>
```

## Screenshots:









**GitHub Link:** <https://github.com/Lastkingx>

8:38



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14 contributions in the last year