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Chapter 10:

Java classes:

MainActivity.java

```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);
```

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

webview.java

```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")){
```

```java
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){
```

```java
// 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
<?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"

 />
```
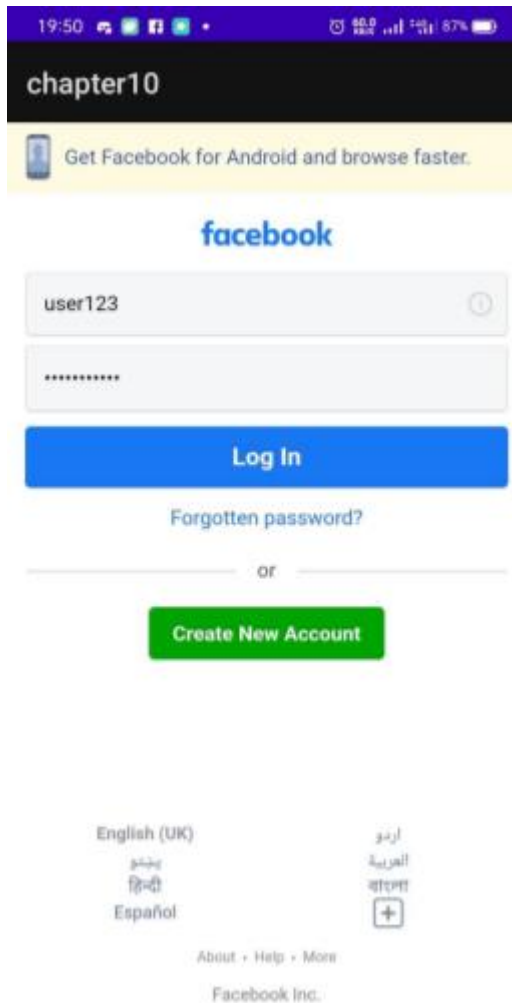
```xml
    <Button

    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>
```
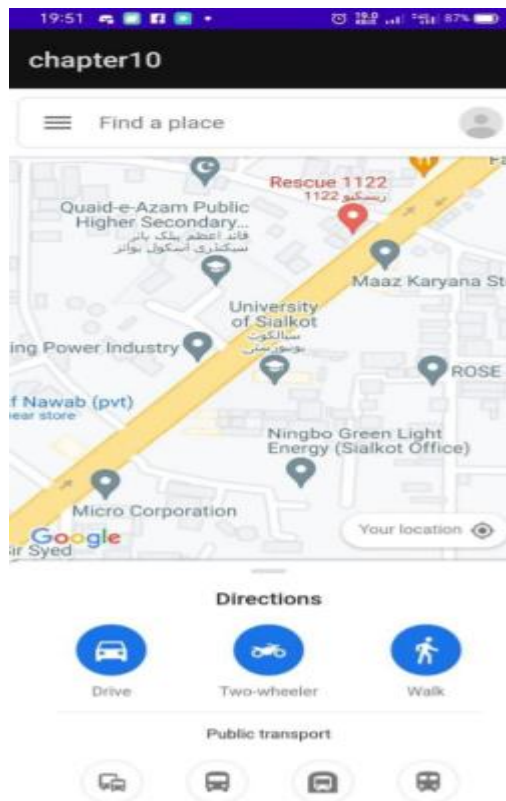
activity_webview.xml

```xml
<?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;

```java
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

}
```

```java
}
```

MainActivity.java

```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! ");
```

```java
            }
        });
        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) {
```

```java
            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
<?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"
```

```xml
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"
>
```

```xml
<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"
```

```xml
            />

            <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"?>
```

```xml
<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"

/>
```

```xml
<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:

GO YES -1

SHOW TOAST MESSAGE

CUSTOMIZED TOAST

Hello! how are you doing today?