Name: Shiza zaheer

Roll no: 18101002-153

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) {
//
```

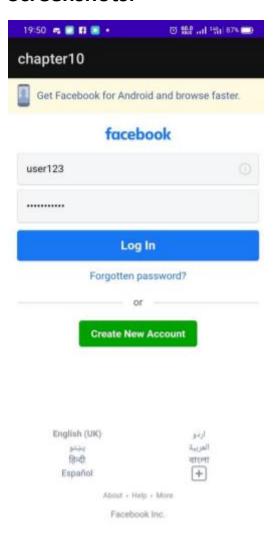
```
i.putExtra("website",0);
startActivity(i);
}
});
b2.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
//
i.putExtra("website",1);
startActivity(i);
}
});
}
}
webview.java
package com.example.chapter10;
import androidx.appcompat.app.AppCompatActivity;
import 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
```

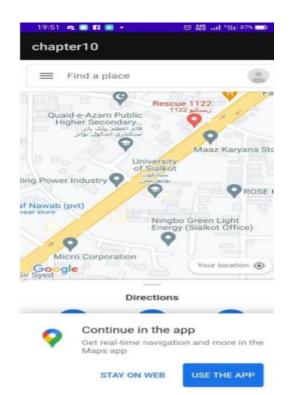
```
public boolean shouldOverrideUrlLoading(WebView view, String url){
// do your handling codes here, which url is the requested url
// probably you need to open that url rather than redirect:
view.loadUrl(url);
return false; // then it is not handled by default action
}
});
break;
}
}
}
XML layouts:
activity_main.xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
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"
```

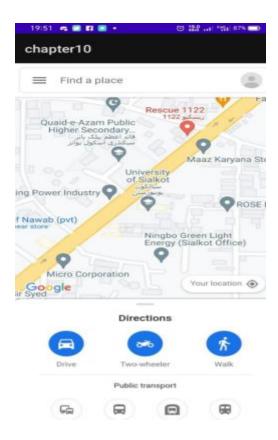
```
/>
<Button
android:id="@+id/b2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_gravity="center"
android:textSize="20sp"
android:text="google map"
/>
</LinearLayout>
activity_webview.xml
<?xml version="1.0" encoding="utf-8"?>
<WebView xmlns:android="http://schemas.android.com/apk/res/android"</p>
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:





