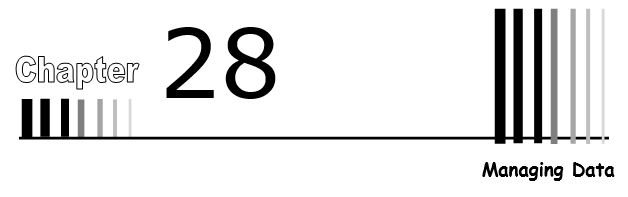
|  |
| --- |
| Managing Data |

* Display records in tabular format
* Edit Update Delete table records



For displaying data in tabular format we use table layout. For this in mysql create a database (**college**) -> within this create a table user\_master having columns (**userid,password,securityquestion,answer**) -> Insert some record in this table.

Apache -> start

Mysql->start

C://xampp/htdocs/android/viewdata.php -> with the code return JSON of user\_master table data (above example)

1. In **activity\_main.xml** file put a listview.

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:paddingBottom="@dimen/activity\_vertical\_margin" tools:context=".MainActivity">  
  
  
 <TableLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="fill\_parent"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 tools:context=".MainActivity"  
 android:orientation="vertical"  
 android:layout\_marginBottom="50dp">  
  
 <TableRow  
 android:layout\_height="wrap\_content"  
 android:layout\_width="fill\_parent">  
  
 <TextView  
 android:textSize="9pt"  
 android:layout\_width="0dip"  
 android:layout\_height="wrap\_content"  
 android:padding="5dip"  
 android:layout\_margin="4dip"  
 android:layout\_weight="1"  
 android:text="User ID" />

<TextView  
 android:textSize="9pt"  
 android:layout\_width="0dip"  
 android:layout\_height="wrap\_content"  
 android:padding="5dip"  
 android:layout\_margin="4dip"  
 android:layout\_weight="1"  
 android:text="Password" />

<TextView  
 android:textSize="9pt"  
 android:layout\_width="0dip"  
 android:layout\_height="wrap\_content"  
 android:padding="5dip"  
 android:layout\_margin="4dip"  
 android:layout\_weight="1"  
 android:text="Action"  
 />  
 </TableRow>  
 </TableLayout>  
  
 <ListView  
 android:id="@+id/list"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="50dp"  
 android:focusable="true">  
 </ListView>  
  
</RelativeLayout>

1. Create a **userlist.xml** layout file

*<?*xml version="1.0" encoding="utf-8"*?>*<TableLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:layout\_marginTop="50dp"  
 tools:context=".MainActivity"  
 android:orientation="vertical">  
 <TableRow  
 android:layout\_height="wrap\_content"  
 android:layout\_width="fill\_parent"  
 android:id="@+id/studentrow" >  
  
 <TextView  
 android:textSize="9pt"  
 android:layout\_width="0dip"  
 android:layout\_height="wrap\_content"  
 android:padding="5dip"  
 android:layout\_margin="4dip"  
 android:layout\_weight="1"  
 android:id="@+id/txt\_userid"/>  
 <TextView  
 android:textSize="9pt"  
 android:layout\_width="0dip"  
 android:layout\_height="wrap\_content"  
 android:padding="5dip"  
 android:layout\_margin="4dip"  
 android:layout\_weight="1"  
 android:id="@+id/txt\_password" />  
 <Button android:layout\_width="0dip"  
 android:layout\_height="wrap\_content"  
 android:text="Delete"  
 android:id="@+id/btn\_delete"  
 android:layout\_weight="1"  
 />  
 </TableRow>  
</TableLayout>

1. In **MainActivity.java** file

public class MainActivity extends ActionBarActivity {  
 ListView list;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 list=(ListView)findViewById(R.id.*list*);  
 new ExecuteTask().execute("fetchstudent");  
 }  
 private void fetch(String response) {  
 try  
 {  
 JSONArray array=new JSONArray(response);  
 int size=array.length();  
 String[] userid=new String[size];  
 String[] password=new String[size];  
 for(int i=0;i<array.length();i++) {  
 JSONObject obj = array.getJSONObject(i);  
 userid[i]=obj.getString("userid");  
 password[i]=obj.getString("password");  
 }  
 CustomStudent adapter = new CustomStudent(MainActivity.this,userid,password);  
 list.setAdapter(adapter);  
 }  
 catch(JSONException e){  
  
 }  
 }  
  
 class ExecuteTask extends AsyncTask<String, Integer, String>  
 {  
 @Override  
 protected String doInBackground(String... params) {  
 String res=FetchData(params);  
 return res;  
 }  
 @Override  
 protected void onPostExecute(String result) {fetch(result);  
 }  
 }  
 public String FetchData(String[] valuse) {  
  
 String s="";  
  
 try {  
 HttpClient httpClient = new DefaultHttpClient();  
 HttpPost httpPost = new HttpPost("http://10.0.2.2:8181/lit/fetchstudent.php");List<NameValuePair> list=new ArrayList<NameValuePair>();  
 list.add(new BasicNameValuePair("ntype", valuse[0]));  
httpPost.setEntity(new UrlEncodedFormEntity(list));  
 HttpResponse httpResponse = httpClient.execute(httpPost);  
  
 HttpEntity httpEntity = httpResponse.getEntity();  
 s = readdata(httpResponse);  
  
 } catch (Exception exception) {  
 }  
 return s;  
 }  
 public String readdata(HttpResponse res) {  
 InputStream is=null;  
 String return\_text="";  
 try {  
 is=res.getEntity().getContent();  
 BufferedReader bufferedReader=new BufferedReader(new InputStreamReader(is));  
 String line="";  
 StringBuffer sb=new StringBuffer();  
 while ((line=bufferedReader.readLine())!=null)  
 {  
 sb.append(line);  
 }  
 return\_text=sb.toString();  
 } catch (Exception e)  
 {  
  
 }  
 return return\_text;  
 }

}

1. In **CustomStudent.java** (it is a java class file)

public class CustomStudent extends ArrayAdapter<String> {  
  
 private final Activity context;  
 private final String[] userid;  
 private final String[] password;  
 public CustomStudent(Activity context,  
 String[] userid, String[] password) {  
 super(context, R.layout.*studentlist*, userid);  
  
 this.context = context;  
 this.userid = userid;  
 this.password = password;  
 }  
 @Override  
 public View getView(final int position, final View view, ViewGroup parent) {  
 LayoutInflater inflater = context.getLayoutInflater();  
 View rowView= inflater.inflate(R.layout.*studentlist*, null, true);  
 TextView txtUserid = (TextView) rowView.findViewById(R.id.*txt\_userid*);  
 txtUserid.setText(userid[position]);  
 TextView txtPassword = (TextView) rowView.findViewById(R.id.*txt\_password*);  
 txtPassword.setText(password[position]);  
  
 final TableRow studentrow = (TableRow) rowView.findViewById(R.id.*studentrow*);  
  
 Button delbtn = (Button) rowView.findViewById(R.id.*btn\_delete*);  
 delbtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 new ExecuteTask().execute(userid[position]);  
 studentrow.setVisibility(view.*GONE*);  
 }  
 });  
  
 return rowView;  
 }

class ExecuteTask extends AsyncTask<String, Integer, String>  
 {  
  
 @Override  
 protected String doInBackground(String... params) {  
  
 String res=FetchData(params);  
  
 return res;  
 }  
  
 @Override  
 protected void onPostExecute(String result) {  
 Toast.*makeText*(context.getApplicationContext(), result, Toast.*LENGTH\_LONG*).show();  
  
 }  
  
 }  
  
 public String FetchData(String[] valuse) {  
  
 String s="";  
 String url="http://10.0.2.2:8181/lit/managestudent.php";  
 try {  
 HttpClient httpClient = new DefaultHttpClient();  
 HttpPost httpPost = new HttpPost(url);  
 List<NameValuePair> list=new ArrayList<NameValuePair>();  
 list.add(new BasicNameValuePair("userid", valuse[0]));  
 *//end new data* httpPost.setEntity(new UrlEncodedFormEntity(list));  
 HttpResponse httpResponse = httpClient.execute(httpPost);  
  
 HttpEntity httpEntity = httpResponse.getEntity();  
 s = readdata(httpResponse);  
 } catch (Exception exception) {  
 }  
 return s;  
  
 }  
 public String readdata(HttpResponse res) {  
 InputStream is=null;  
 String return\_text="";  
 try {  
 is=res.getEntity().getContent();  
 BufferedReader bufferedReader=new BufferedReader(new InputStreamReader(is));  
 String line="";  
 StringBuffer sb=new StringBuffer();  
 while ((line=bufferedReader.readLine())!=null)  
 {  
 sb.append(line);  
 }  
 return\_text=sb.toString();  
 } catch (Exception e) {  
  
 }  
 return return\_text;  
 }  
}

1. In **AndroidManifest.xml** file write permission

<uses-permission android:name="android.permission.INTERNET" />

1. For fetching student record and display that record in MainActivity. Create two files (fetchstudent.php and managestudent.php) in lit folder of apache server.
2. In fetchstudent.php file fetch records from student table.

<?php

include 'db.php';

$sql="select \* from student";

$i=mysql\_query($sql);

$response=array();

$row=array();

while($arr=mysql\_fetch\_array($i))

{

$row["userid"]=$arr["userid"];

$row["password"]=$arr["password"];

array\_push($response, $row);

}

echo json\_encode($response);

?>

1. In **db.php** file database connectivity

<?php

$con=mysql\_connect('localhost','root','');

if(!$con)

{

die("connection failed ".mysql\_error());

}

mysql\_select\_db('college',$con);

?>

1. In **managestudent.php** file delete code

<?php

$userid=$\_POST['userid'];

include 'db.php';

$sql="delete from student where userid='".$userid."'";

$i=mysql\_query($sql);

if($i)

{

echo "Deleted successfully";

}

?>

