# Azure Mobile Apps with Android Client

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1. Open Android Studio > New Project > Give a name for your Project > Give a name to your Activity. Set the Project Structure to **Android.**
2. Download the [Mobile Services SDK for Android](http://go.microsoft.com/fwlink/?LinkID=717033&clcid=0x409) – Extract the zip file and add the .jar file inside your **Lib** folder
3. Add the below line under gradle.build (Module:app)

compile 'com.microsoft.azure:azure-mobile-android:{<REPLACE version>}'

1. Add the below line under AndroidManifest.xml

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

1. Go to MainActivity – import the below services

import com.microsoft.windowsazure.mobileservices.\*;

1. Open Your Content\_main.xml file and add the below content.

<**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="#71BCFA"  
 android:padding="6dip"** >  
  
 <**EditText  
 android:id="@+id/textNewToDo"  
 android:layout\_width="0dip"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:hint="Add a new item"** >  
  
 <**requestFocus** />  
 </**EditText**>  
  
 <**Button  
 android:id="@+id/AzureConnect"  
 android:layout\_width="64dip"  
 android:layout\_height="wrap\_content"  
 android:onClick="addItem"  
 android:text="Add"** />  
  
</**LinearLayout**>

1. Add a private variable inside your activity

**private** MobileServiceClient **mClient**;

**private** EditText **mTextNewToDo**;

1. Add the below line in OnCreate method

mClient = new MobileServiceClient(

"https://<REPLACE\_NAME>.azurewebsites.net",

this

);

1. Add the below line to access the textentered in the Enter TextBox

**mTextNewToDo** = (EditText) findViewById(R.id.***textNewToDo***);

1. Create a new class – Name it same as your TableName from Azure Mobile Apps

public class TodoItem {

public String Id;

public String Text;

}

1. Add the below lines to insert an item into the table

**final** TodoItem item = **new** TodoItem();  
  
  
**final** Button button = (Button) findViewById(R.id.***AzureConnect***);  
button.setOnClickListener(**new** View.OnClickListener() {  
 **public void** onClick(View v) {  
  
 item.**Text** = (**mTextNewToDo**.getText().toString());  
 **try**{  
 **mClient**.getTable(TodoItem.**class**).insert(item).get();  
  
  
 } **catch** (InterruptedException e) {  
 e.printStackTrace();  
 } **catch** (ExecutionException e) {  
 e.printStackTrace();  
 }  
  
  
 }  
});