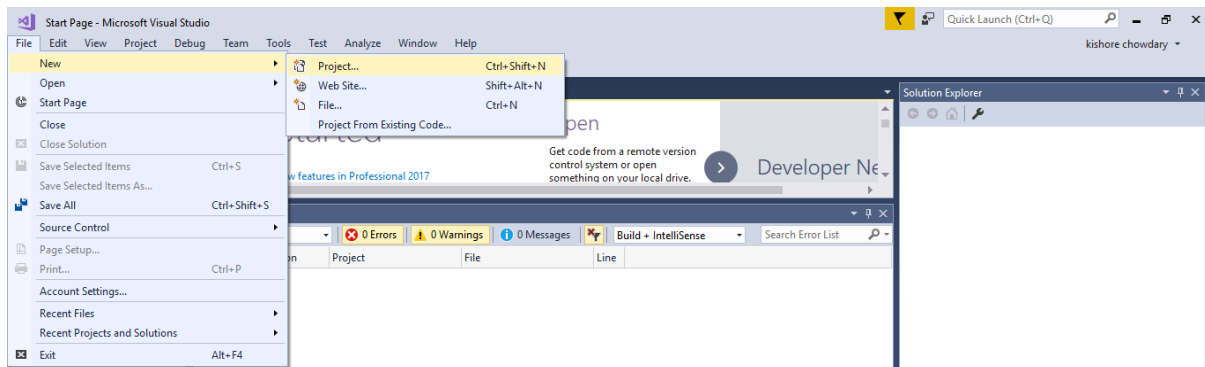


Time Set

The following document is for creating an android application that can get the time of the android device in which it is running. Here we will have a displaying interface for the clock and the time.

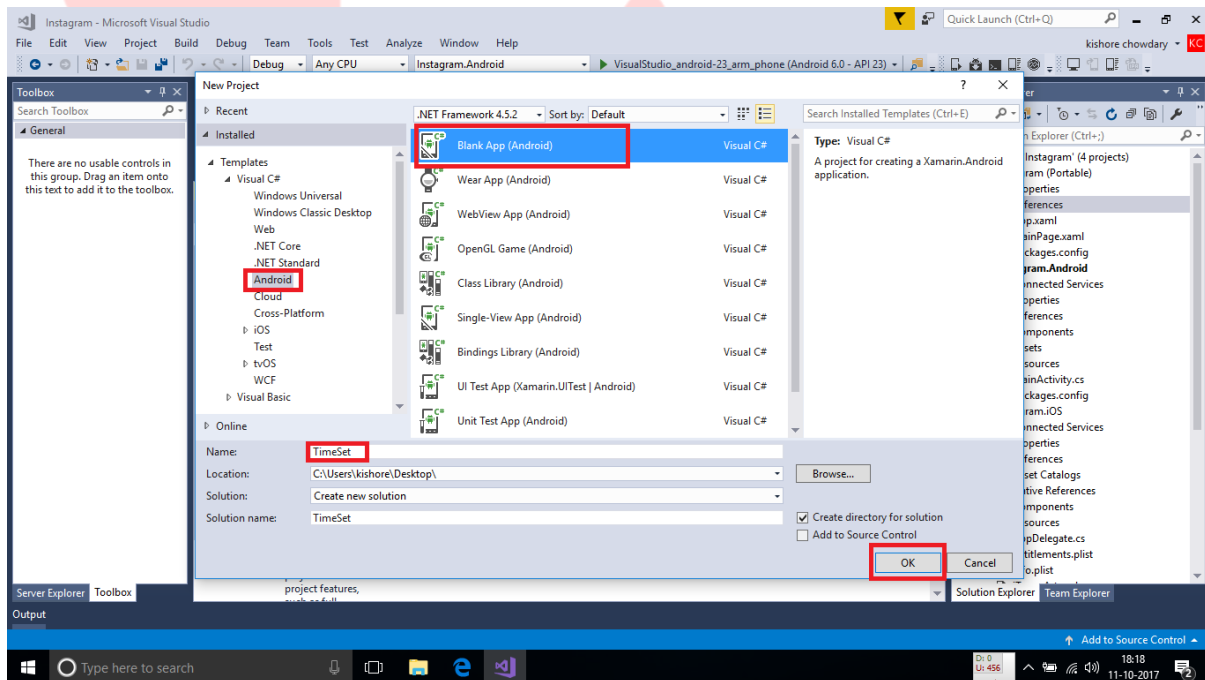
Step 1:

Open the Visual studio. The version can be even Visual studio 2015 with an update that supports Xamarin development. After opening the visual studio go to **New→Project**.



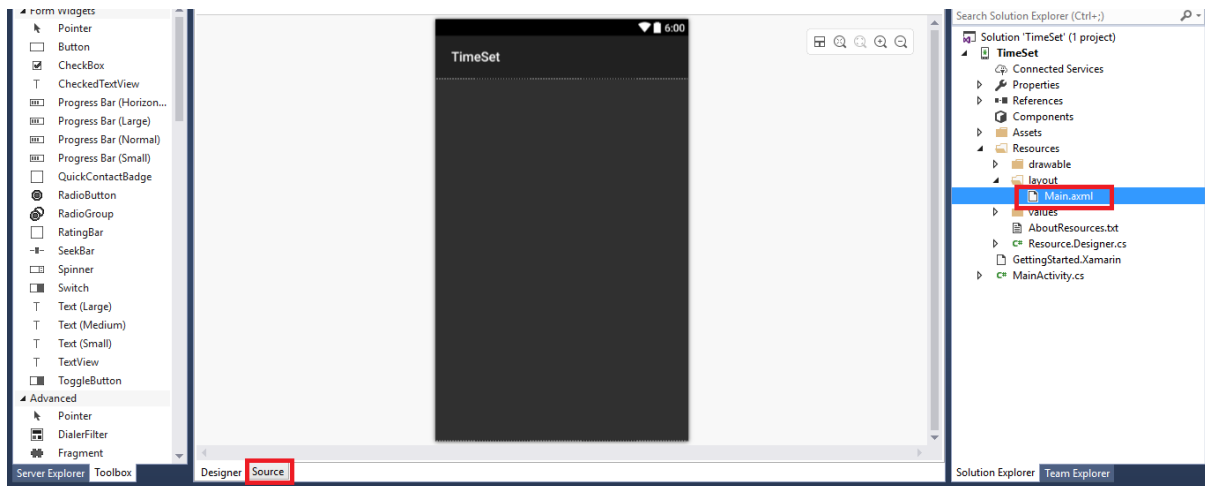
Step 2:

Next you have to choose your platform and technology. In the left side menu choose **Android**. Next in the options that are displayed, choose the **Blank View App (Android)** and name it as **TimeSet** and the hit on **Ok**.



Step 3:

Now expand the **Resources** folder in the solution explorer which is in the right side. Then expand the **Layout** folder and click on the **Main.axml** which will display a designer window of mobile phone. There in the bottom you can find a small button with name **Source**. Click on it to go to the axml source code page.



Step 4:

There replace with the code that is given below. Here we will be using three different tools namely **TimePicker**, **TextView** and a **Button**. Paste this code and click **Design** button.

Main.axml:

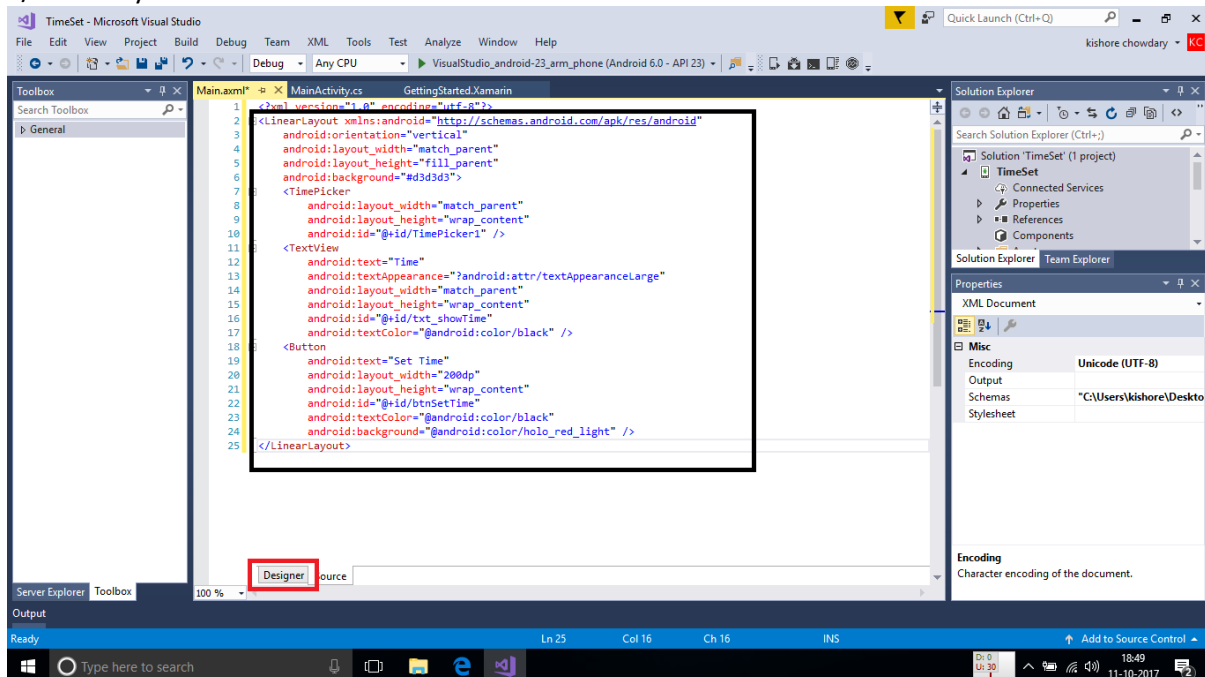
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="fill_parent"
    android:background="#d3d3d3">
    <TimePicker
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/TimePicker1" />
    <TextView
        android:text="Time"
        android:textAppearance="?android:attr/textAppearanceLarge"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/txt_showTime"
        android:textColor="@android:color/black" />
    <Button
        android:text="Set Time"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:id="@+id/btnSetTime"
```



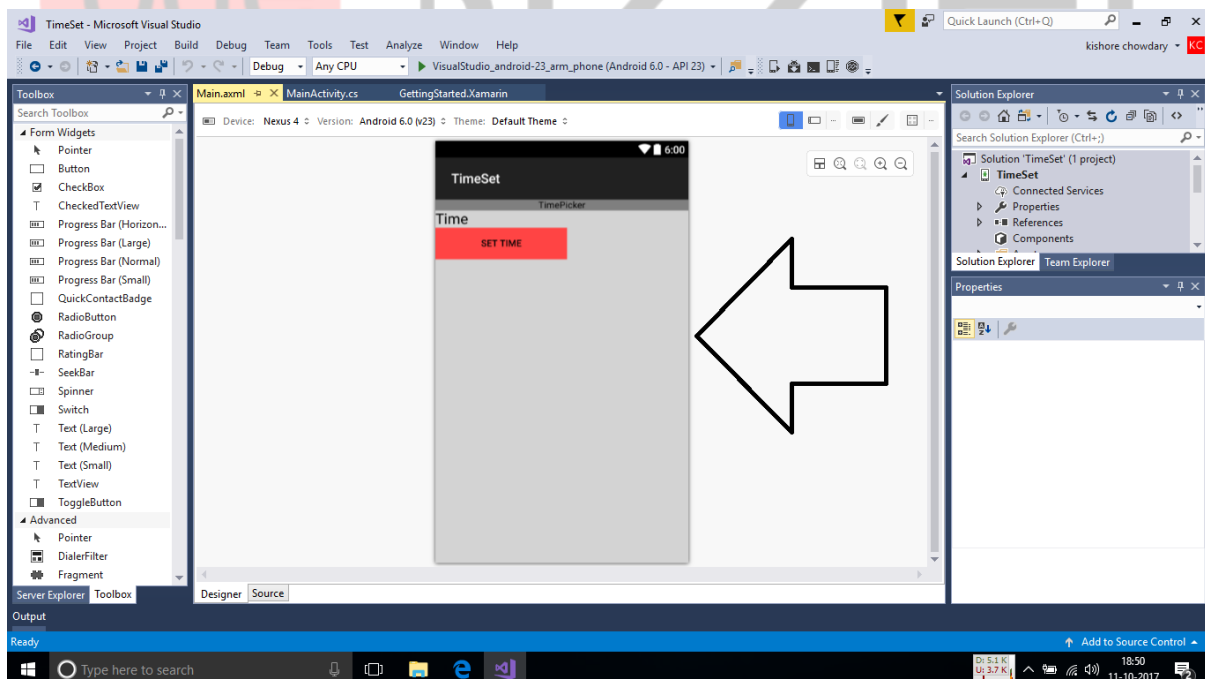
```

        android:textColor="@android:color/black"
        android:background="@android:color/holo_red_light" />
</LinearLayout>

```



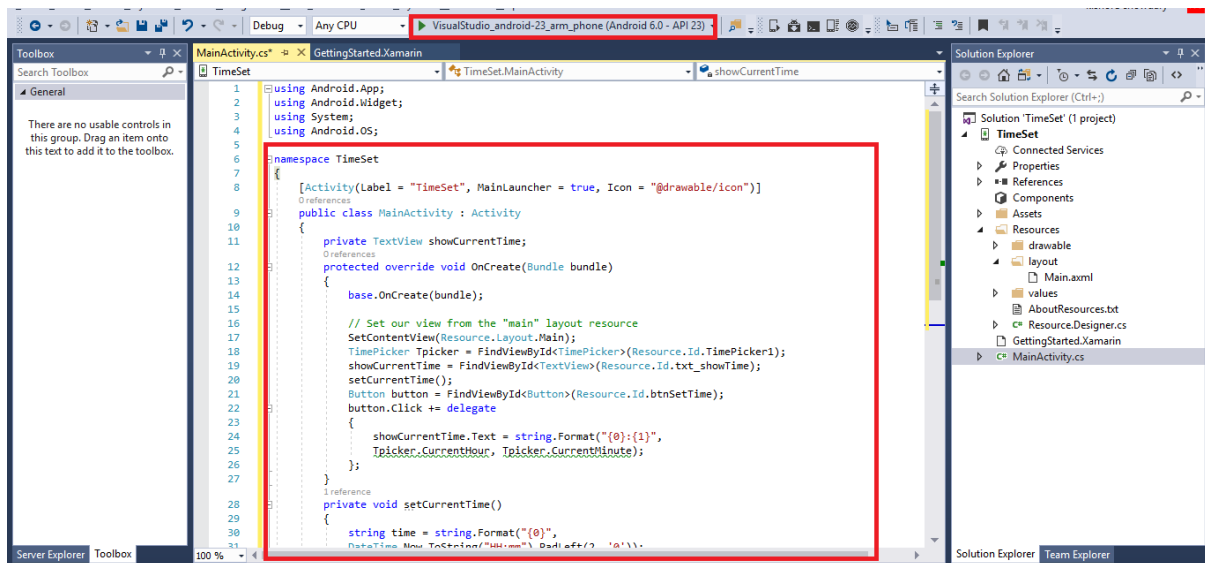
After pasting the code, you will be getting a design to work with the local time of the device. It will be looking as the following.



Step 5:



Now we shall write some code which will bind the designed UI in the **axml** page. Click on the **MainActivity.cs** page in the solution explorer. You will be displayed with a page where you can write the code. In there, replace with the below given code.



MainActivity.cs:

```
using Android.App;
using Android.Widget;
using System;
using Android.OS;
```

```
namespace TimeSet
```

```
{
    [Activity(Label = "TimeSet", MainLauncher = true, Icon = "@drawable/icon")]
    public class MainActivity : Activity
    {
        private TextView showCurrentTime;
        protected override void OnCreate(Bundle bundle)
        {
            base.OnCreate(bundle);
            SetContentView(Resource.Layout.Main);
            TimePicker Tpicker = FindViewById<TimePicker>(Resource.Id.TimePicker1);
            showCurrentTime = FindViewById<TextView>(Resource.Id.txt_showTime);
            setCurrentTime();
            Button button = FindViewById<Button>(Resource.Id.btnSetTime);
            button.Click += delegate
            {
                showCurrentTime.Text = string.Format("{0}:{1}",
                    Tpicker.CurrentHour, Tpicker.CurrentMinute);
            };
        }
        private void setCurrentTime()
        {
            string time = string.Format("{0}",
```

```

        DateTime.Now.ToString("HH:mm").PadLeft(2, '0'));
        showCurrentTime.Text = time;
    }
}
}

```

Output:

After finishing all the code, save your project and click on the **triangle** button at the top or press the **F5** button so that the application will be deployed.

