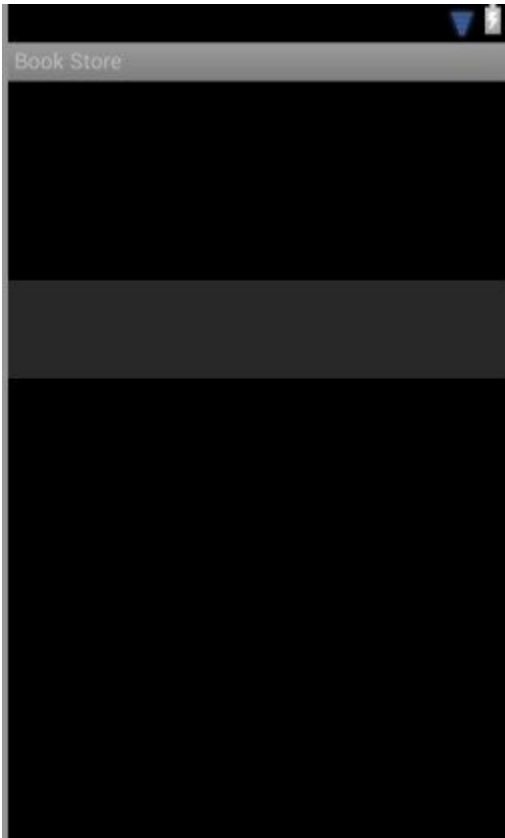# The Second Assignment

In this assignment, I made the bookstore. This is the first activity of bookstore. As we can see, there are no other input controls here. Right, there are only three TextView in this activity.



Here is the code for this activity.

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:orientation="vertical"
android:layout_width="fill_parent"
android:layout_height="fill_parent">

        <TextView
        android:id="@+id/cart_title"
        android:layout_width="fill_parent"
        android:layout_height="?android:attr/listPreferredItemHeight"
        android:textAppearance="?android:attr/textAppearanceLarge"
        android:gravity="center_vertical"
        android:paddingLeft="5dip"
        android:singleLine="true"
        />
        <TextView
        android:id="@+id/cart_author"
        android:layout_width="fill_parent"
```

```xml
        android:layout_height="?android:attr/listPreferredItemHeight"
        android:textAppearance="?android:attr/textAppearanceLarge"
        android:gravity="center_vertical"
        android:paddingLeft="5dip"
        android:singleLine="true"
        />
        <TextView
        android:id="@+id/cart_isbn"
        android:layout_width="fill_parent"
        android:layout_height="?android:attr/listPreferredItemHeight"
        android:textAppearance="?android:attr/textAppearanceLarge"
        android:gravity="center_vertical"
        android:paddingLeft="5dip"
        android:singleLine="true"
        />
</LinearLayout>
```

Here is the second activity, dealing with some input and output, the shipping part has not been finished yet, because it is not required in this activity.



Here is the code for this activity:

```xml
<?xml version="1.0"encoding="utf-8"?>
<LinearLayoutxmlns:android="http://schemas.android.com/apk/res/android"
android:orientation="vertical"
android:layout_width="fill_parent"
android:layout_height="fill_parent">
```

```xml
<TextViewandroid:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Title: "/>
<TextViewandroid:id="@+id/checkout_title"
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text=""/>

<TextViewandroid:id="@+id/checkout_author"
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text=""/>

<TextViewandroid:id="@+id/checkout_isbn"
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text=""/>

<TextViewandroid:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Name: "/>
<EditTextandroid:id="@+id/name"
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text=""/>

<TextViewandroid:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Email: "/>
<EditTextandroid:id="@+id/email"
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text=""/>

<TextViewandroid:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="CreditAccount: "/>
<EditTextandroid:id="@+id/credit"
                android:layout_width="fill_parent"
                android:layout_height="wrap_content"
                android:text=""/>

<TextViewandroid:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Address: "/>
<EditTextandroid:id="@+id/address"
                android:layout_width="fill_parent"
                android:layout_height="fill_parent"
                android:text=""/>
</LinearLayout>
```
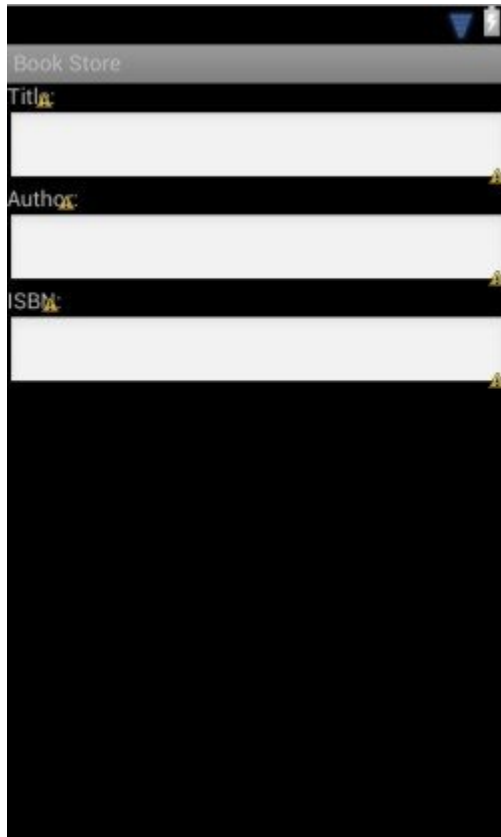
Here comes the third activity, the search activity. We can input the title, author and isbn of the book, and buy it . After that, these information can be shown in the first activity.



Here is the code for the third activity:

```
<?xml version="1.0"encoding="utf-8"?>
<LinearLayoutxmlns:android="http://schemas.android.com/apk/res/android"
android:orientation="vertical"
android:layout_width="fill_parent"
android:layout_height="fill_parent">

        <TextViewandroid:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Title:"/>
        <EditTextandroid:id="@+id/search_title"
                        android:layout_width="fill_parent"
                        android:layout_height="wrap_content"
                        android:text=""/>

        <TextViewandroid:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Author:"/>
        <EditTextandroid:id="@+id/search_author"
                        android:layout_width="fill_parent"
                        android:layout_height="wrap_content"
                        android:text=""/>
```

```xml
<TextView android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="ISBN: "/>
<EditText android:id="@+id/search_isbn"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:text=""/>
```

```xml
</LinearLayout>
```

Alright, the above three pictures are about the first part of this assignment, the bookstore. Here, I am going to talk something about the second part of it, the Chat Application.

Here is the first activity! In this activity, we can set our name, and coordinates. And these value will be tranferred into the second activity.



Here is the code for this activity:

```xml
<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"
tools:context=".Gps">

<TextView
android:id="@+id/view_longitude"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBaseline="@+id/edit_longitude"
android:layout_alignBottom="@+id/edit_longitude"
android:layout_alignLeft="@+id/view_name"
android:text="@string/view_longitude"/>
```

```xml
<TextView
android:id="@+id/view_latitude"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBaseline="@+id/edit_latitude"
android:layout_alignBottom="@+id/edit_latitude"
android:layout_alignLeft="@+id/view_longitude"
android:text="@string/view_latitude" />

<EditText
android:id="@+id/edit_longitude"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="@+id/edit_name"
android:layout_below="@+id/edit_name"
android:ems="10"
android:hint="@string/edit_longitude" >

<requestFocus/>
</EditText>

<EditText
android:id="@+id/edit_latitude"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignLeft="@+id/edit_longitude"
android:layout_below="@+id/edit_longitude"
android:ems="10"
android:hint="@string/edit_latitude"/>

<Button
android:id="@+id/button_set"
android:layout_width="80dp"
android:layout_height="50dp"
android:onClick="setApp"
android:layout_alignRight="@+id/edit_latitude"
android:layout_below="@+id/edit_latitude"
android:text="@string/button_set"/>

<EditText
android:id="@+id/edit_name"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentRight="true"
android:layout_alignParentTop="true"
android:layout_marginRight="15dp"
android:layout_marginTop="18dp"
android:ems="10"
android:hint="@string/edit_name"/>

<TextView
android:id="@+id/view_name"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignBaseline="@+id/edit_name"
```
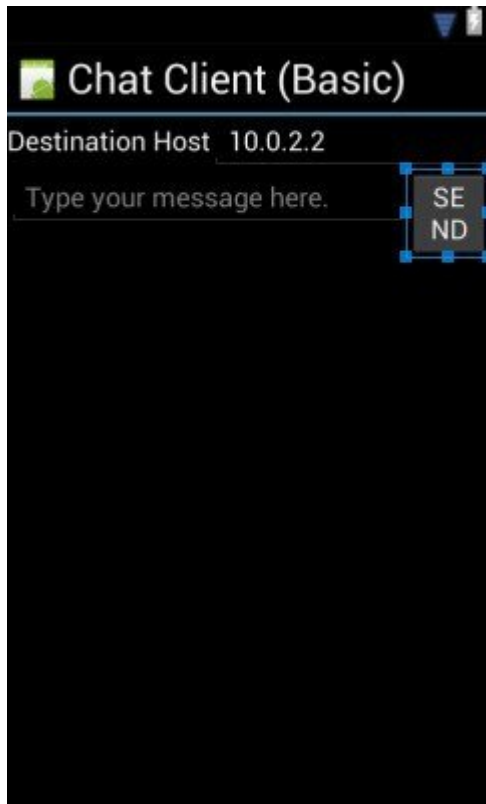
```
android:layout_alignBottom="@+id/edit_name"
android:layout_alignParentLeft="true"
android:layout_marginLeft="16dp"
android:text="@string/view_name"/>

</RelativeLayout>
```

Here is the second activity, which is the one for sending messages. We can send message to the Chat Server, with the name, coordinates and the message.



Here is the code for this activity:

```
<?xml version="1.0"encoding="utf-8"?>
<LinearLayoutxmlns:android="http://schemas.android.com/apk/res/android"
android:id="@+id/LinearLayout1"
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:orientation="vertical">

<LinearLayout
android:id="@+id/linearLayout2"
android:layout_width="wrap_content"
android:layout_height="match_parent"
android:orientation="horizontal">

<TextView
android:id="@+id/dest_label"
```

```xml
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/destination_host"
android:textAppearance="?android:attr/textAppearanceMedium"/>

<EditText
android:id="@+id/dest_text"
android:layout_width="188dp"
android:layout_height="wrap_content"
android:inputType="text"
android:singleLine="true"
android:text="@string/target_host_default"/>

</LinearLayout>

<LinearLayout
android:id="@+id/linearLayout3"
android:layout_width="wrap_content"
android:layout_height="match_parent"
android:orientation="horizontal">

<EditText
android:id="@+id/message_text"
android:layout_width="265dp"
android:layout_height="wrap_content"
android:hint="@string/message_edit_text"
android:inputType="text"
android:singleLine="true"/>

<Button
android:id="@+id/send_button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/send_label"/>

</LinearLayout>

</LinearLayout>
```
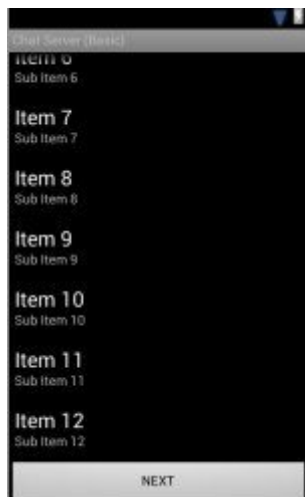
Here is the Chat Server that receives and shows messages.

Here is the code for this activity:

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical">

<ListView
android:id="@+id/msgList"
android:layout_width="fill_parent"
android:layout_height="0dip"
android:layout_weight="1"
android:stackFromBottom="true"
android:transcriptMode="alwaysScroll">
</ListView>

<Button
android:id="@+id/next"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="@string/next_label" />

</LinearLayout>
```

This is the report for my second assignment! Thank you for reading!