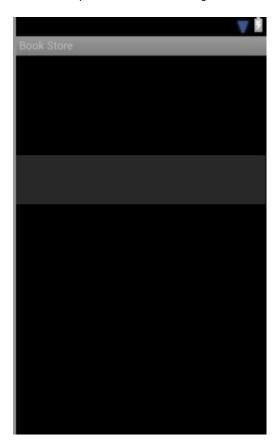
The Second Assignment

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 versi on="1.0"encodi ng="utf-8"?>
<Li nearLayoutxml ns: androi d="http://schemas.androi d.com/apk/res/androi d"</p>
android: ori entation="vertical"
android: layout_width="fill_parent"
android: layout_height="fill_parent">
       <TextVi ew
       androi d: i d="@+i d/cart_title"
       androi d: I ayout_wi dth="fill_parent"
       androi d: l ayout_hei ght="?androi d: attr/listPreferredItemHei ght"
       androi d: textAppearance="?androi d: attr/textAppearanceLarge"
       androi d: gravi ty="center_verti cal"
       androi d: paddi ngLeft="5di p"
       androi d: si ngl eLi ne="true"
       />
       <TextVi ew
       androi d: i d="@+i d/cart_author"
       android: layout_width="fill_parent"
```

```
androi d: I ayout_hei ght="?androi d: attr/listPreferredItemHei ght"
       androi d: textAppearance="?androi d: attr/textAppearanceLarge"
       androi d: gravi ty="center_verti cal"
       androi d: paddi ngLeft="5di p"
       androi d: si ngl eLi ne="true"
       />
       <TextVi ew
       androi d: i d="@+i d/cart_i sbn"
       androi d: I ayout_wi dth="fill_parent"
       androi d: I ayout_hei ght="?androi d: attr/listPreferredItemHei ght"
       androi d: textAppearance="?androi d: attr/textAppearanceLarge"
       androi d: gravi ty="center_verti cal"
       androi d: paddi ngLeft="5di p"
       androi d: si ngl eLi ne="true"
       />
</Li nearLayout>
```

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 versi on="1.0"encodi ng="utf-8"?>
<Li nearLayoutxml ns: androi d="http://schemas. androi d. com/apk/res/androi d"
androi d: ori entati on="verti cal"
androi d: l ayout_wi dth="fill_parent"
androi d: l ayout_hei ght="fill_parent">
```

```
<TextVi ewandroi d: I ayout_wi dth="wrap_content"
              android: layout_height="wrap_content"
              android: text="Title: "/>
       <TextVi ewandroi d: i d="@+i d/checkout ti tl e"
                     android: layout_width="fill_parent"
                     androi d: I ayout_hei ght="wrap_content"
                     android: text=""/>
       <TextVi ewandroi d: i d="@+i d/checkout_author"
                     android: layout width="fill parent"
                     android: layout_height="wrap_content"
                     android: text=""/>
       <TextVi ewandroi d: i d="@+i d/checkout_i sbn"
                     android: layout_width="fill_parent"
                     androi d: I ayout_hei ght="wrap_content"
                     android: text=""/>
       <TextVi ewandroi d: I ayout_wi dth="wrap_content"
              androi d: l ayout_hei ght="wrap_content"
              android: text="Name: "/>
       <Edi tTextandroi d: i d="@+i d/name"
                     androi d: I ayout_wi dth="fill_parent"
                     android: layout_height="wrap_content"
                     android: text=""/>
       <TextVi ewandroi d: I ayout_wi dth="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=""/>
       <TextVi ewandroi d: I ayout_wi dth="wrap_content"
              androi d: I ayout_hei ght="wrap_content"
              androi d: text="Credi tAccount: "/>
       <Edi tTextandroi d: i d="@+i d/credi t"
                     android: layout_width="fill_parent"
                     android: layout height="wrap content"
                     android: text=""/>
       <TextVi ewandroi d: I ayout_wi dth="wrap_content"
              android: layout_height="wrap_content"
              androi d: text="Address: "/>
       <Edi tTextandroi d: i d="@+i d/address"
                     android: layout_width="fill_parent"
                     android: layout_height="fill_parent"
                     android: text=""/>
</Li nearLayout>
```

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.



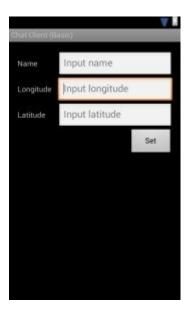
Here is the code for the third activity:

```
<?xml versi on="1.0"encodi ng="utf-8"?>
<Li nearLayoutxml ns: androi d="http://schemas. androi d. com/apk/res/androi d"</pre>
android: ori entation="vertical"
androi d: I ayout_wi dth="fill_parent"
android: layout_height="fill_parent">
       <TextVi ewandroi d: I ayout_wi dth="wrap_content"
               androi d: I ayout_hei ght="wrap_content"
       androi d: text="Ti tle: "/>
<Edi tTextandroi d: i d="@+i d/search_ti tle"
                      android: layout_width="fill_parent"
                      android: layout_height="wrap_content"
                      android: text=""/>
       <TextVi ewandroi d: I ayout_wi dth="wrap_content"
               android: layout_height="wrap_content"
               android: text="Author: "/>
       <Edi tTextandroi d: i d="@+i d/search_author"
                      android: layout_width="fill_parent"
                      android: layout_height="wrap_content"
                      android: text=""/>
```

</Li nearLayout>

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 transferred into the second activity.



Here is the code for this activity:

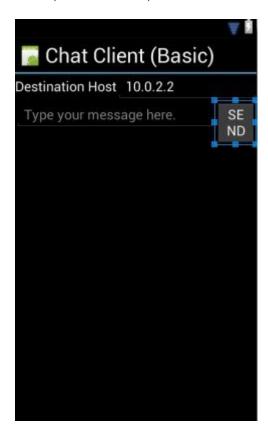
```
<Rel ati veLayoutxml ns: androi d="http://schemas. androi d. com/apk/res/androi d"
xml ns: tool s="http://schemas. androi d. com/tool s"
androi d: l ayout_wi dth="match_parent"
androi d: l ayout_hei ght="match_parent"
tool s: context=". Gps">

<TextVi ew
androi d: i d="@+i d/vi ew_l ongi tude"
androi d: l ayout_wi dth="wrap_content"
androi d: l ayout_hei ght="wrap_content"
androi d: l ayout_al i gnBasel i ne="@+i d/edi t_l ongi tude"
androi d: l ayout_al i gnBottom="@+i d/edi t_l ongi tude"
androi d: l ayout_al i gnLeft="@+i d/vi ew_name"
androi d: text="@stri ng/vi ew_l ongi tude"/>
```

```
<TextVi ew
android: id="@+id/view latitude"
androi d: I ayout_wi dth="wrap_content"
androi d: I ayout_hei ght="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" />
<Edi tText
android: id="@+id/edit longitude"
androi d: I ayout_wi dth="wrap_content"
android: layout_height="wrap_content"
android: layout_alignLeft="@+id/edit_name"
android: layout_below="@+id/edit_name"
androi d: ems="10"
android: hint="@string/edit_longitude" >
<requestFocus/>
</EditText>
<Edi tText
android:id="@+id/edit latitude"
androi d: I ayout_wi dth="wrap_content"
androi d: I ayout_hei ght="wrap_content"
android: layout_alignLeft="@+id/edit_longitude"
android: layout_below="@+id/edit_longitude"
androi d: ems="10"
android: hint="@string/edit_latitude"/>
<Button
androi d: i d="@+i d/button_set"
androi d: I ayout_wi dth="80dp"
android: layout height="50dp"
android: onClick="setApp"
android: layout_alignRight="@+id/edit_latitude"
android: layout_below="@+id/edit_latitude"
androi d: text="@stri ng/button_set"/>
<Edi tText
android: id="@+id/edit name"
androi d: l ayout_wi dth="wrap_content"
android: layout_height="wrap_content"
android: layout_alignParentRight="true"
android: layout_alignParentTop="true"
androi d: I ayout_margi nRi ght="15dp"
androi d: I ayout_margi nTop="18dp"
androi d: ems="10"
android: hint="@string/edit_name"/>
<TextVi ew
androi d: i d="@+i d/vi ew_name"
android: layout_width="wrap_content"
androi d: I ayout_hei ght="wrap_content"
android: layout_alignBaseline="@+id/edit_name"
```

```
androi d: I ayout_al i gnBottom="@+i d/edi t_name"
androi d: I ayout_al i gnParentLeft="true"
androi d: I ayout_margi nLeft="16dp"
androi d: text="@stri ng/vi ew_name"/>
</Rel ati veLayout>
```

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 versi on="1.0"encodi ng="utf-8"?>
<Li nearLayoutxml ns: androi d="http://schemas. androi d. com/apk/res/androi d"
androi d: i d="@+i d/Li nearLayout1"
androi d: l ayout_wi dth="fill_parent"
androi d: l ayout_hei ght="wrap_content"
androi d: ori entati on="verti cal">
<Li nearLayout
androi d: i d="@+i d/li nearLayout2"
androi d: l ayout_wi dth="wrap_content"
androi d: l ayout_hei ght="match_parent"
androi d: ori entati on="hori zontal">

<TextVi ew</p>
androi d: i d="@+i d/dest_l abel"
```

```
androi d: I ayout_wi dth="wrap_content"
android: I ayout_height="wrap_content"
android: text="@string/destination_host"
androi d: textAppearance="?androi d: attr/textAppearanceMedi um"/>
<Edi tText
androi d: i d="@+i d/dest_text"
androi d: I ayout_wi dth="188dp"
androi d: l ayout_hei ght="wrap_content"
androi d: i nputType="text"
androi d: si ngl eLi ne="true"
android: text="@string/target_host_default"/>
</Li nearLayout>
<Li nearLayout
androi d: i d="@+i d/l i nearLayout3"
android: layout width="wrap content"
android: layout_height="match_parent"
android: ori entati on="hori zontal">
<Edi tText
androi d: i d="@+i d/message_text"
androi d: I ayout_wi dth="265dp"
androi d: I ayout_hei ght="wrap_content"
android: hint="@string/message_edit_text"
android: inputType="text"
androi d: si ngl eLi ne="true"/>
<Button
android: id="@+id/send_button"
androi d: I ayout_wi dth="wrap_content"
android: layout_height="wrap_content"
android: text="@string/send_label"/>
</Li nearLayout>
</Li nearLayout>
```

Here is the Chat Server that receives and shows messages.



Here is the code for this activity:

```
<?xml versi on="1.0"encodi ng="utf-8"?>
<Li nearLayoutxml ns: androi d="http://schemas. androi d. com/apk/res/androi d"</p>
androi d: I ayout_wi dth="fill_parent"
android: layout_height="fill_parent"
android: orientation="vertical">
<Li stVi ew
androi d: i d="@+i d/msgLi st"
android: layout_width="fill_parent"
androi d: I ayout_hei ght="0di p"
androi d: I ayout_wei ght="1"
android: stackFromBottom="true"
androi d: transcri ptMode="al waysScrol I">
</ListView>
<Button
androi d: i d="@+i d/next"
androi d: I ayout_wi dth="match_parent"
androi d: I ayout_hei ght="wrap_content"
android: text="@string/next_label" />
</Li nearLayout>
```

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