## Lab03 实验报告

## 课后作业:

- 1. 学会了在后台代码中实现对 Button 的监听事件 学会了动态添加 Button 并实现监听
- 2. 拨号界面代码:

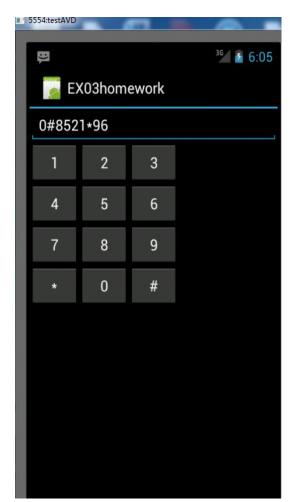
```
public class EX03homeworkActivity extends Activity {
   /** Called when the activity is first created. */
   private EditText test;
   private Context con;
   @Override
   public void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.main);
       con = this;
       /**
        * 动态添加编辑文本框
       test = new EditText(con);
       test.setText("");
       test.setId(11);
       /**
        * 用TableLayout动态添加拨号键盘
       TableLayout tab = new TableLayout(this);
       tab.setStretchAllColumns(false);
       List<String> list = new ArrayList<String>();
        * 将键盘中的数字或字符添加到list数组中
        */
       for(int i=1; i < 13; i++)</pre>
       if(i < 10) list.add(""+i);</pre>
       else if(i == 10) list.add("*");
       else if(i == 11) list.add("0");
       else list.add("#");
       }
       tab.addView(test);//为tab添加View对象
```

```
int size = list.size();
int display = 3;
int total = (size + display - 1) / display;
List<String> tmp = null;
/**
* 将list中的字符排布到table中
for(int i = 0; i < total; i++)</pre>
TableRow row = new TableRow(this);
if(i==0) {
    if(size < display) {</pre>
        tmp = list;
    }else{
        tmp = list.subList(0, display);
    }
/**
* 为每个table中的位置添加Button,并设置监听事件
for(int x = 0; x < tmp.size(); x++){</pre>
    Button Btn = new Button(this);
    Btn.setText(tmp.get(x));
    ButtonListener bnl = new ButtonListener();
    Btn.setOnClickListener(bnl);
    row.addView(Btn);
}
}else{
if(size - i * display < display) {</pre>
    tmp = list.subList(i*display, size-1);
    }else{
        tmp = list.subList(i*display, i*display+display);
for(int x = 0; x < tmp.size(); x++) {</pre>
    Button Btn = new Button(this);
    Btn.setText(tmp.get(x));
    Btn.setWidth(LayoutParams.WRAP_CONTENT);
    ButtonListener bnl = new ButtonListener();
    int id = Btn.getId();
    Btn.setOnClickListener(bnl);
    row.addView(Btn);
    }
}
```

```
tab.addView(row);
}
setContentView(tab);
}

public final class ButtonListener implements View.OnClickListener {
public void onClick(View v) {
    //当点击键盘Button时,将字符添加到编辑文本框中
    test.setText(test.getText().toString() +
((Button)v).getText().toString());
}

}
```



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