Course Name: CMPE 277 – Smartphone Application

Homework 1 – Implicit Intents

Student's Name**: Sih-Han Chen**

Instructor**: Chandrasekar Vuppalapati**

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Learning Objective:

Using Implicit Intents, invoke ACTION_DIAL and ACTION_VIEW. Please take screen captures of the application.

GitHub

https://github.com/stephen-sh-chen/CMPE277_Smartphone_App/tree/master/HW1_Intent
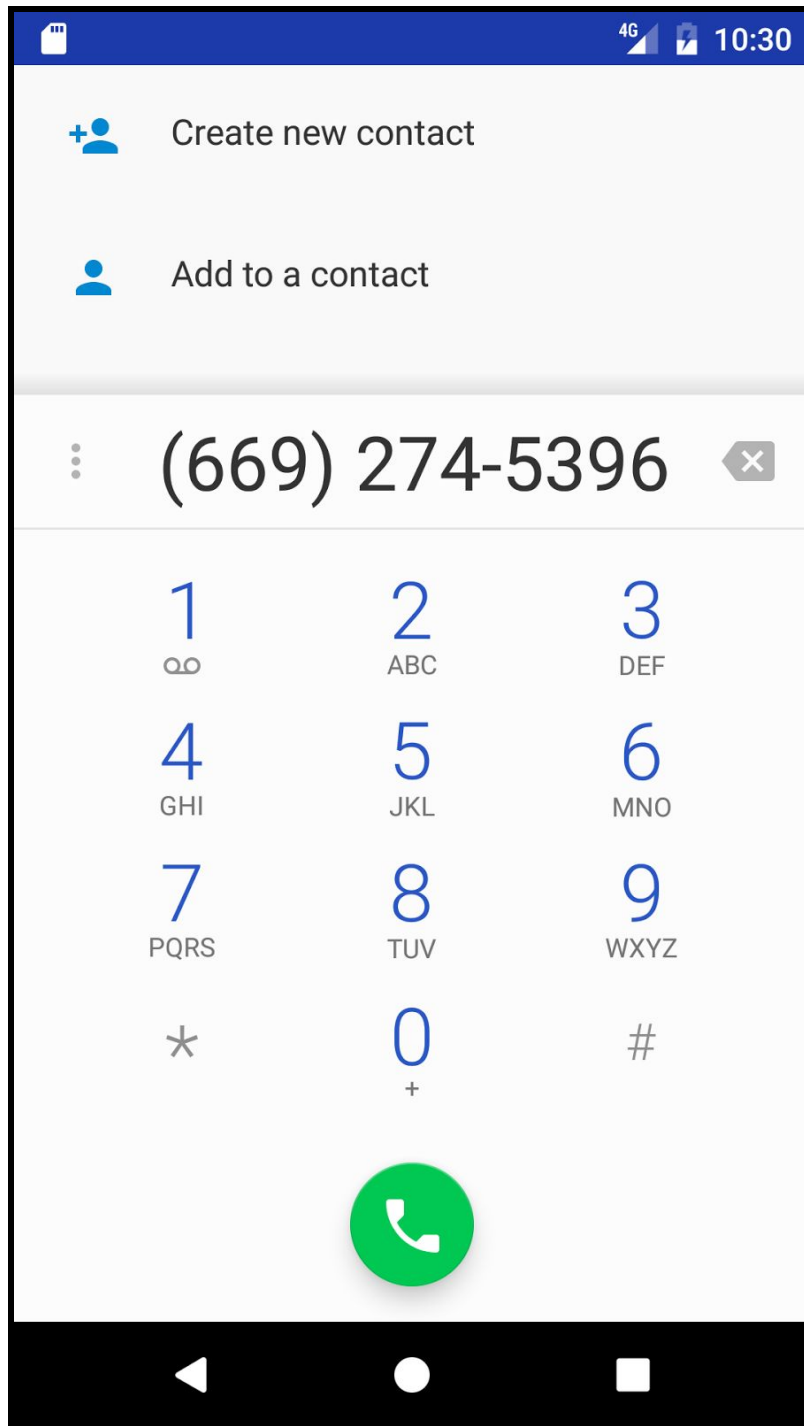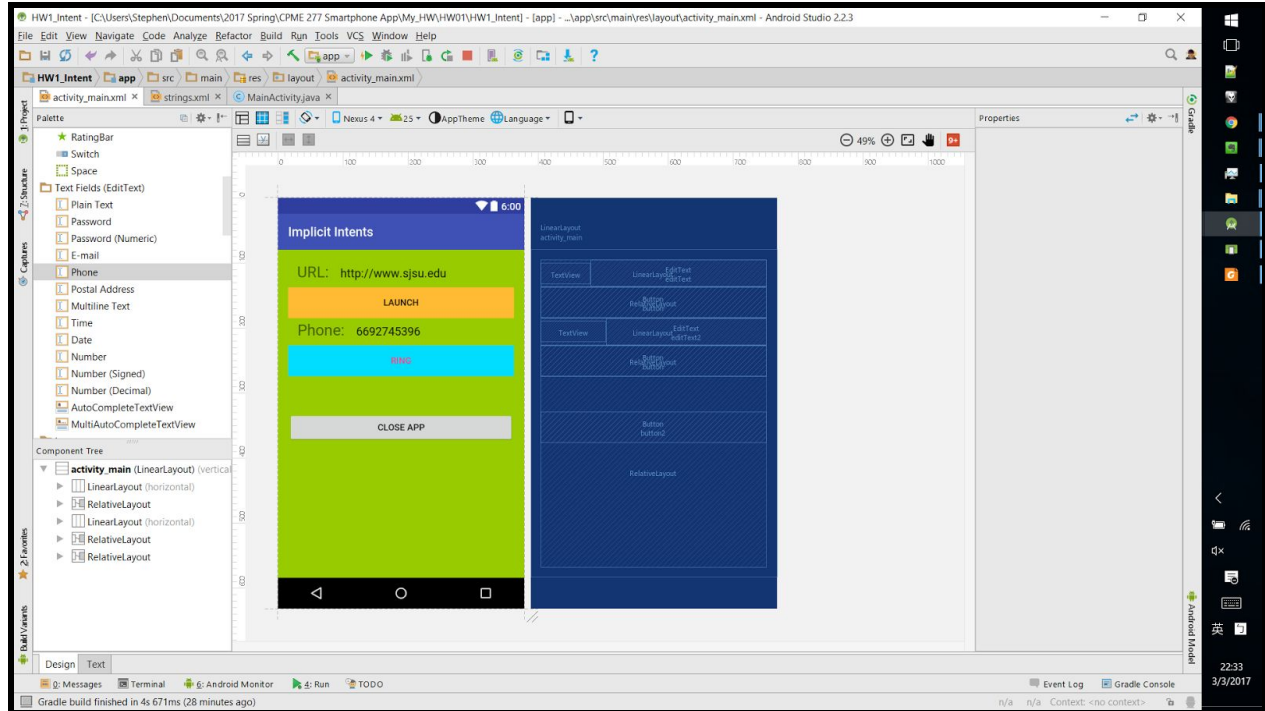
1. The Main Activity Page Layout

2. Click Launch to Open a URL
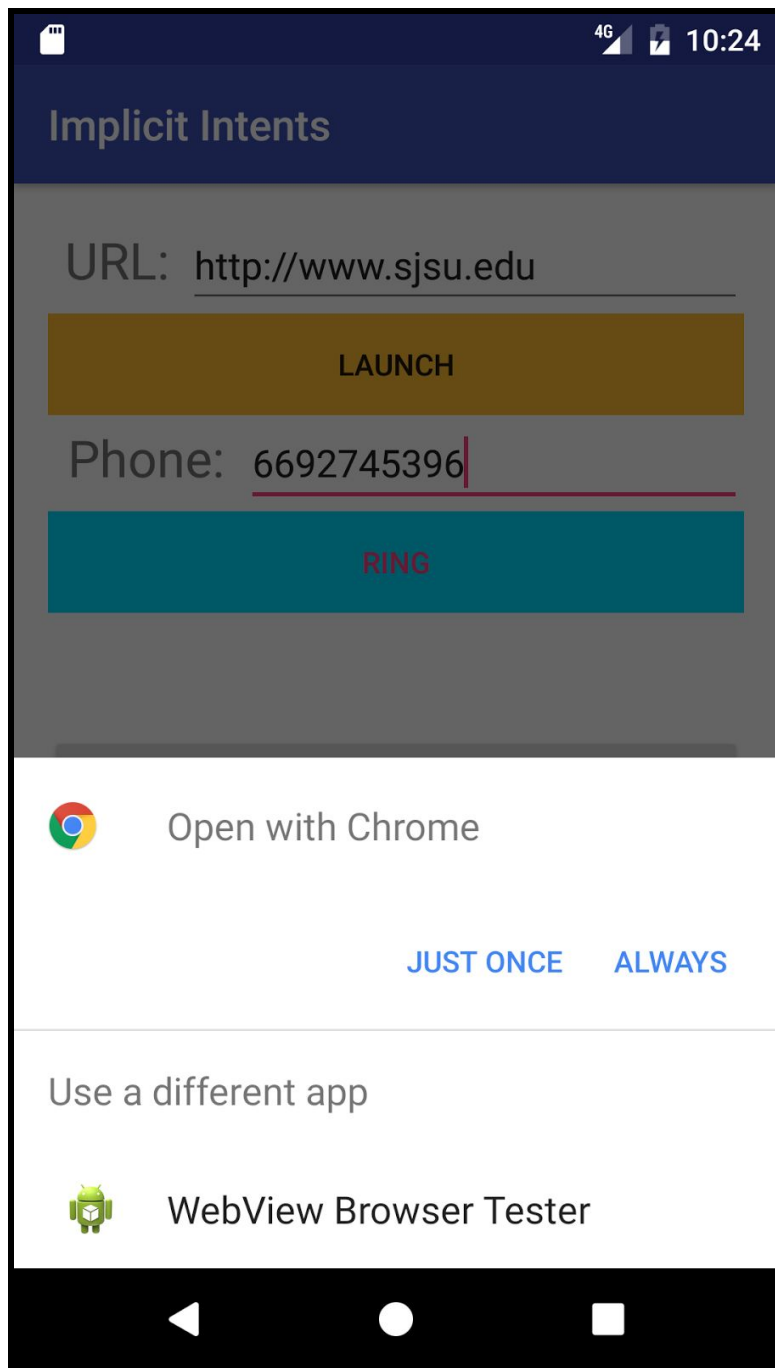
3. URL Opened by Chrome Browser
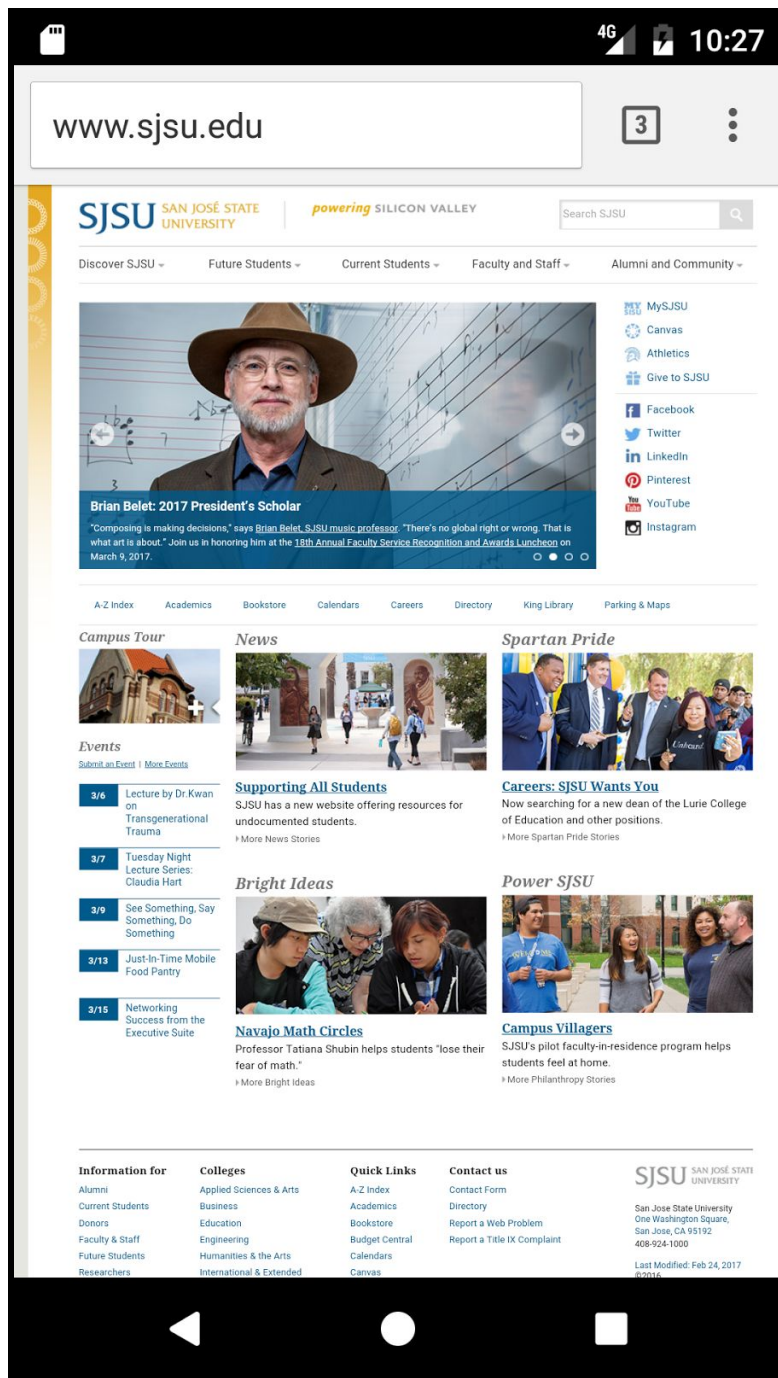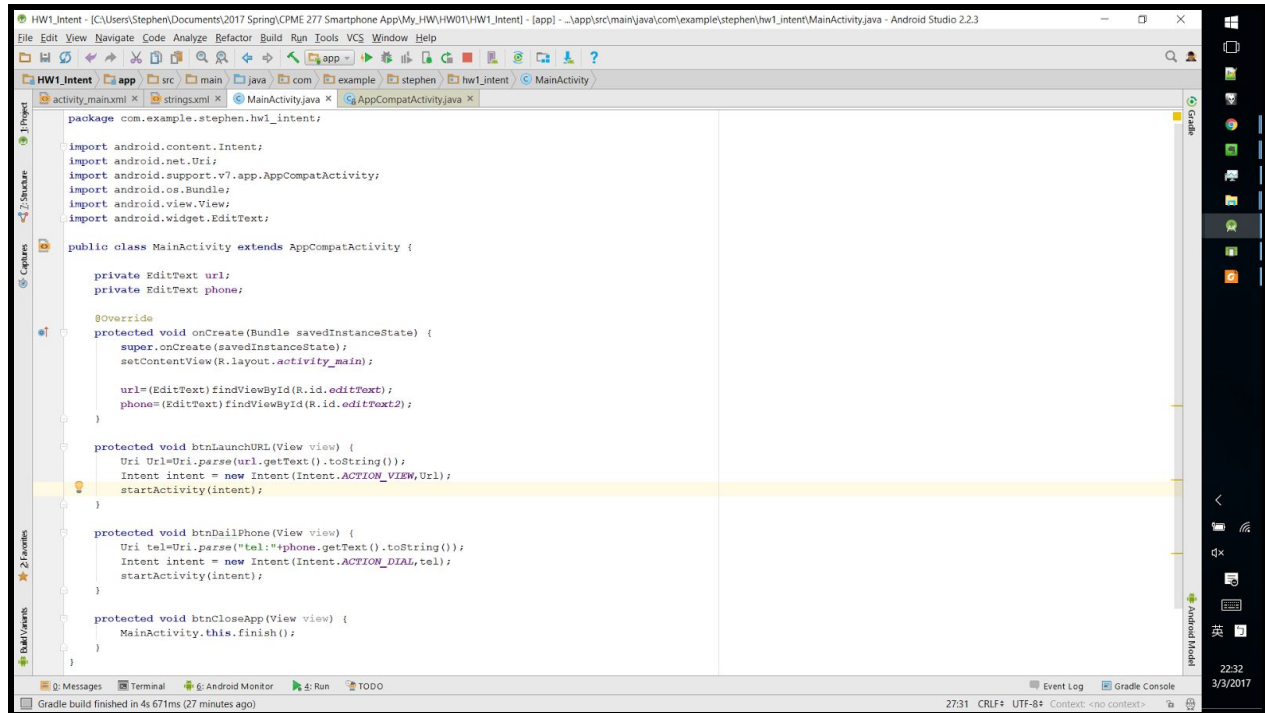
4. Click Ring to Dial a Phone Call

5. Design of The Main Page Layout

6. MainActivity.java


```java
package com.example.stephen.hw1_intent;

import android.content.Intent;
import android.net.Uri;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    private EditText url;
    private EditText phone;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        url=(EditText)findViewById(R.id.editText);
        phone=(EditText)findViewById(R.id.editText2);
    }

    protected void btnLaunchURL(View view) {
        Uri Url=Uri.parse(url.getText().toString());
        Intent intent = new Intent(Intent.ACTION_VIEW,Url);
        startActivity(intent);
    }

    protected void btnDailPhone(View view) {
        Uri tel=Uri.parse("tel:"+phone.getText().toString());
        Intent intent = new Intent(Intent.ACTION_DIAL,tel);
        startActivity(intent);
    }

    protected void btnCloseApp(View view) {
        MainActivity.this.finish();
    }
}
```

7. strings.xml


```xml
<resources>
    <string name="app_name">Implicit Intents</string>
    <string name="URL">http://www.sjsu.edu</string>
    <string name="Phone">6692745396</string>
</resources>
```