#### Button

```
button1.setOnClickListener((View view)->{
    startActivity(new Intent(MainActivity.this,MainActivity2.class));
});
```

# Spinner(Spinner Mode-Dialog(for Prompt), entries-Select the array)

```
<string-array name="concertType">
    <item>Rock Band</item>
    <item>Jazz Band</item>
    <item>Blues Band</item>
    </string-array>

spinnerConcertType.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener()
    @Override
    public void onItemSelected(AdapterView?> adapterView, View view, int i, long 1) {
    int index = spinnerConcertType.getSelectedItemPosition();
```

# Edit Text Empty? (Plain text-> hint)

```
if(editTextNumTxt.getText().toString().isEmpty()){
```

#### Intent Sent & Receive

```
//Send Results using Intent
Intent myResults = new Intent(this,ResultsActivity.class);
//Use a Bundle within Intent

Bundle bundle = new Bundle();
bundle.putInt("NUMIIX",numTix);
bundle.putString("TYPE",spinnerConcertType.getSelectedItem().toString());
bundle.putDouble("COST",cost);
//Adding Bundle to Intent
myResults.putExtras(bundle);
//Adding Bundle to StartActivity
startActivity(myResults);

Bundle bundle = getIntent().getExtras(); //GEtting the Extras
double cost = bundle.getDouble("COST",0);
String type = getIntent().getExtras().getString("TYPE","empty");
```

#### Add Image Asset

mipmap->Right click+new+image asset.

Change asset name in config asset.

then, change appropriate names in manifest

```
android:allowBackup="true"
android:icon="@mipmap/ic_launcher_wt"
android:label="@string/app_name"
android:roundIcon="@mipmap/ic_launcher_wt_round"
```

#### Add Logo to Action Bar

```
ActionBar actionBar = getSupportActionBar();
actionBar.setDisplayShowHomeEnabled(true);
actionBar.setDisplayUseLogoEnabled(true);
actionBar.setLogo(R.mipmap.ic_launcher_wt_round);
actionBar.setTitle(R.string.txtTitle);
```

# Radio Grp Button Selection

```
if(radioGroup.getCheckedRadioButtonId() == -1)
else if(radioGroup.getCheckedRadioButtonId() == R.id.radBtnKgsToLbs)
```

#### Array Adapter Basic

Custom Adapter (Display image in left of txtvw side) .. Don't forget to retrn view

Layout > New Xml > Layout Xml

#### Then create a Class that extends BaseAdapter

# Then in Main Class

```
//custom adaptor
SitesAdapter sitesAdapter2 = new SitesAdapter(ChicagoSiteNames,ChicagoSitePics);
listViewSites.setAdapter(sitesAdapter2);
```

# Clickable custom list

```
list View Sites.set On Item Click Listener ((Adapter View <?> adapter View, View view, int i, long l) -> \{ list View Sites.set On Item Click Listener ((Adapter View Click Listener ((Adapter ((Adapter ((Adapter View Click Listener ((Adapter ((Ad
```

## Opening in Websites

#### 1. Open Directly

```
surron(1)[
case 0] // OPPen browser
```

# 2. Open Using Link in the new Activity

# **Splash Activity**

Move <intent filter> from main to new activity

# Change android: exported to true

Remember set LinearLayout H/W to (100 Eg) and Internal Items to match Parent

For weight to work, set W to Odp

### Music Player Custom Adapter Code

```
TextView textViewSong = view.findViewById(R.id.textViewSongItem)
ImageView imageViewSong = view.findViewById(R.id.imageViewSongIt
ImageView imageViewPlayStop = view.findViewById(R.id.imageViewPlayStop)

textViewSong.setText(songNames.get(i));
imageViewSong.setImageResource(songPics.get(i));
if(i==currentPlayIndex){
    imageViewPlayStop.setImageResource(R.drawable.stop);
}
else{
    imageViewPlayStop.setImageResource(R.drawable.play);
}

return view;
```

# When setcurrntIndex calls, data repopulates

```
public void setCurrentPlayIndex(int currentPlayIndex) {
   this.currentPlayIndex = currentPlayIndex;
   notifyDataSetChanged(); //adapter repopulates data with getView
```

Put songs in res>new> Resource Directory

Media Player Obj

# MediaPlayer mPlayer=null;

# **Grid View**

#### ImageAdapter-Custom Adapter

```
@Override
public View getView(int i, View view, ViewGroup viewGroup) {
    if(view == null){
        ImageView imageViewItem = new ImageView(viewGroup.getContext());
        // imageViewItem.setLayoutParams(new ViewGroup.LayoutParams(120,120));
        imageViewItem.setLayoutParams(new ViewGroup.LayoutParams(GridView.AUTO_FIT,150));
        imageViewItem.setLayoutParams(new ViewGroup.LayoutParams(GridView.AUTO_FIT,150));
        imageViewItem.setLayoutParams(new ViewGroup.LayoutParams(GridView.AUTO_FIT,150));
        imageViewItem.setBackgroundColor(Color.LTGRAY);
        view = imageViewItem;
    }
    return view;
}
```

#### Then in Main Class

```
gridViewImages.setAdapter(myImageAdapter);
gridViewImages.setNumColumns(3);
gridViewImages.setHorizontalSpacing(8);
gridViewImages.setVerticalSpacing(8);
```

#### Shared Pref .. Gen OverrideMeth ->onPause

```
@Override
protected void onPause() {
    super.onPause();
    SharedPreferences sharedPreferences = PreferenceManager.getDefaultSharedPreferences(this);
    SharedPreferences.Editor editor = sharedPreferences.edit();
    editor.putInt("IMGIND",clickedItem);
    editor.commit();//imp
}
```

# Getting Item from sharedPref.. after the setOnItemClickListener

```
SharedPreferences sharedPreferences = PreferenceManager.getDefaultSharedPreferences(this);
clickedItem = sharedPreferences.getInt("IMGIND",-1);
if(clickedItem != -1){
    imageViewLarge.setImageResource(animalPicGallery.get(clickedItem).imgPic);
}
else
{
    imageViewLarge.setImageResource(0);
```

#### Cancel Toast and make new Toast