

Android User Interface Design Essentials

Dialogs

Dialogs

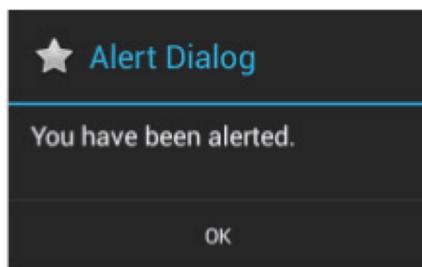
- A dialog is a small window that prompts the user to make a decision or enter additional information.
- A dialog does not fill the screen and is normally used for modal events that require users to take an action before they can proceed.



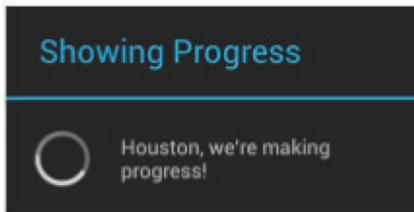
Center for Science, Technology, and Society

Dialog Samples

Basic Dialog



Showing Progress



Sun, May 26, 2013

Choose wisely

Apr 25 2012

May 26 2013

Jun 27 2014

Done

Set time

Take your time...

00 52

01 : 53

02 54

Done



Santa Clara University

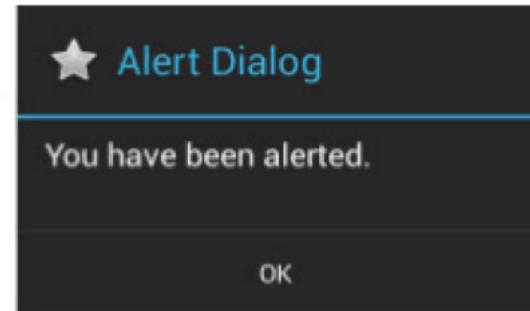
Center for Science, Technology, and Society

Dialog Subclasses

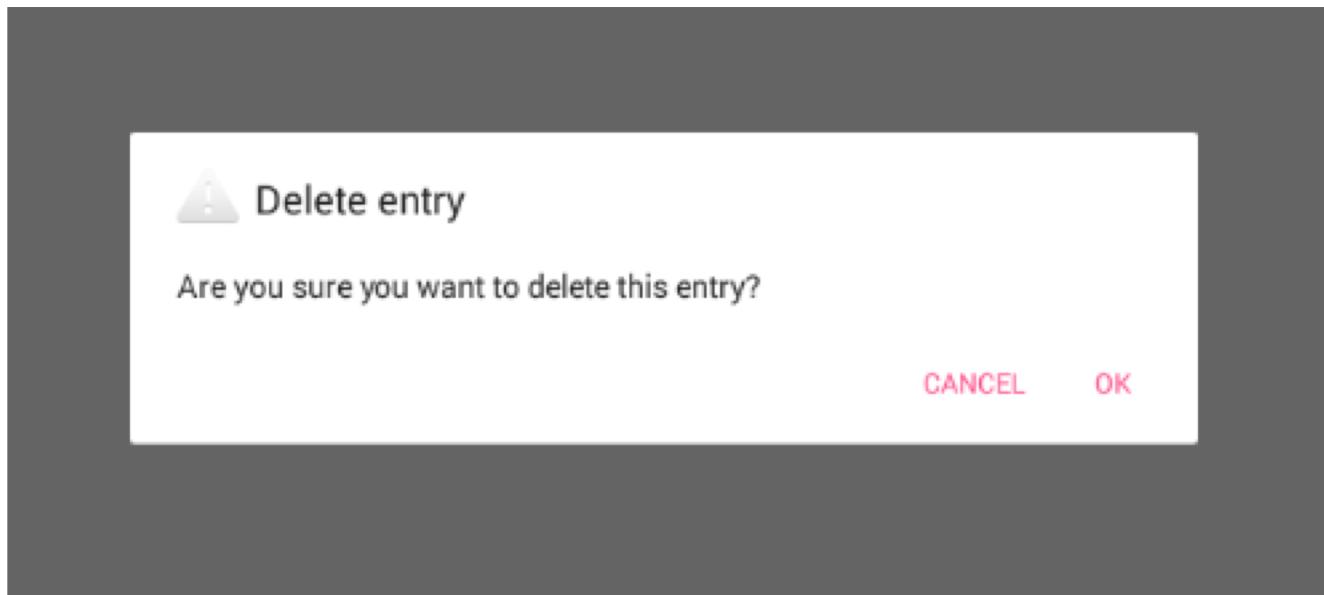
- The Dialog class is the base class
- Subclasses
 - AlertDialog
 - A dialog that can show a title, up to three buttons, a list of selectable items, or a custom layout.
 - DatePickerDialog/TimePickerDialog
 - A dialog with a pre-defined UI that allows the user to select a date or time

AlertDialog

- It has 3 areas
- Title
 - Do not need to use always
- Content area
 - Display a list, message, or other custom layout
- Active buttons
 - No more than three buttons



Default Dialog



Default Dialog

Title for the Dialog

```
private void showAlert() {
    new AlertDialog.Builder(con)
        .setTitle("Delete entry")
        .setMessage("Are you sure you want to delete this entry?")
        .setPositiveButton(android.R.string.yes, new DialogInterface.OnClickListener() {
            public void onClick(DialogInterface dialog, int which) {
                // continue with delete
            }
        })
        .setNegativeButton(android.R.string.no, new DialogInterface.OnClickListener() {
            public void onClick(DialogInterface dialog, int which) {
                // do nothing
            }
        })
        .setIcon(android.R.drawable.ic_dialog_alert)
        .show();
}
```

Content to be displayed in the Dialog

OK Button event

Cancel Button event

Icon for the Title

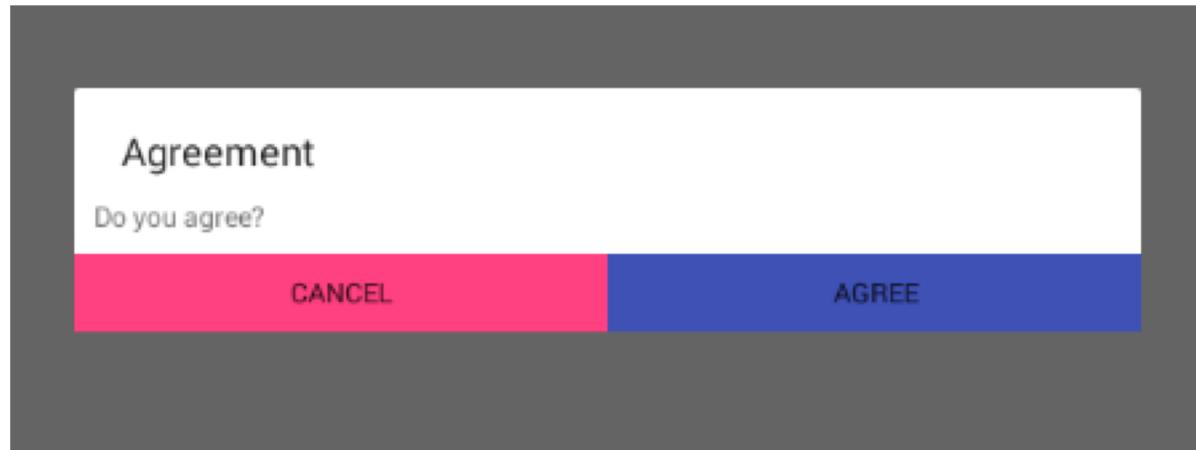


Santa Clara University

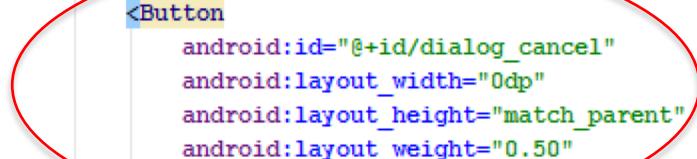
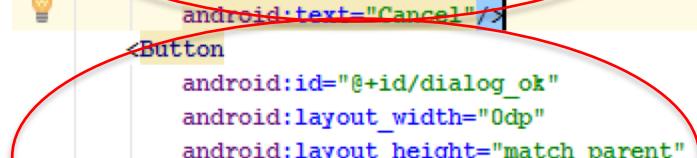
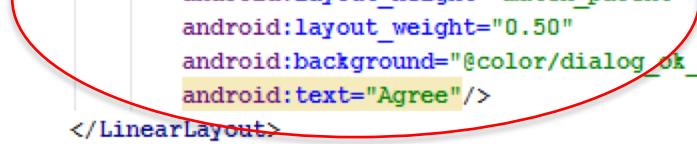
Center for Science, Technology, and Society

Display the Dialog. Without this function,
Dialog won't be displayed

Dialog with Layout



Dialog with Layout (2)

```
<RelativeLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content">  
    <TextView  
        android:id="@+id/dialog_info"  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:padding="10dp"  
        android:text="@string/dialog_text"/>   
    <LinearLayout  
        android:layout_width="match_parent"  
        android:layout_height="40dp"  
        android:layout_below="@+id/dialog_info">  
        <Button  
            android:id="@+id/dialog_cancel"  
            android:layout_width="0dp"  
            android:layout_height="match_parent"  
            android:layout_weight="0.50"  
            android:background="@color/dialog_cancel_bgcolor"  
            android:text="Cancel"/>   
        <Button  
            android:id="@+id/dialog_ok"  
            android:layout_width="0dp"  
            android:layout_height="match_parent"  
            android:layout_weight="0.50"  
            android:background="@color/dialog_ok_bgcolor"  
            android:text="Agree"/>   
    </LinearLayout>  
</RelativeLayout>
```

Content to be displayed
in the Dialog

Cancel Button

OK Button



Santa Clara University

Center for Science, Technology, and Society

Dialog with Layout (3)

```
private void showAlert1() {  
    LayoutInflator layoutInflater = layoutInflater.from(con);  
    View v = layoutInflater.inflate(R.layout.dialog, null);  
    AlertDialog.Builder dialogBuilder = new AlertDialog.Builder(con);  
    dialogBuilder.setTitle("Agreement");  
  
    Button OK = (Button)v.findViewById(R.id.dialog_ok);  
    OK.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View view) {  
            //  
        }  
    });  
  
    Button Cancel = (Button)v.findViewById(R.id.dialog_cancel);  
    Cancel.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View view) {  
            //  
        }  
    });  
    dialogBuilder.setView(v);  
    dialogBuilder.show();  
}
```

OK Button event

Sets the updated View for Dialog

Loads Layout for the Dialog

Title for the Dialog

Cancel Button event

Display the Dialog. Without this call, Dialog won't be displayed



Santa Clara University

Center for Science, Technology, and Society

Thank You



Santa Clara University
Center for Science, Technology, and Society