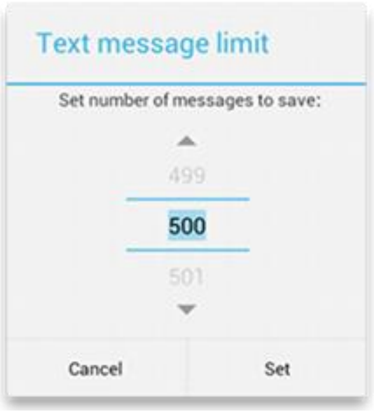
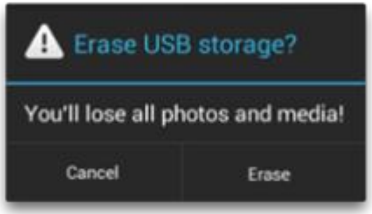
Dialogs

Dialogs

A dialog is a small window that prompts the user to make a decision or enter additional information.

[Official Guide to Dialogs]





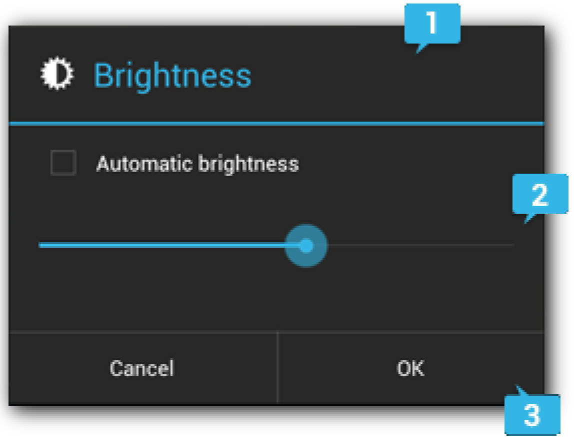
AlertDialog

The AlertDialog class allows you to build a variety of dialog designs and is often the only dialog class you'll need.

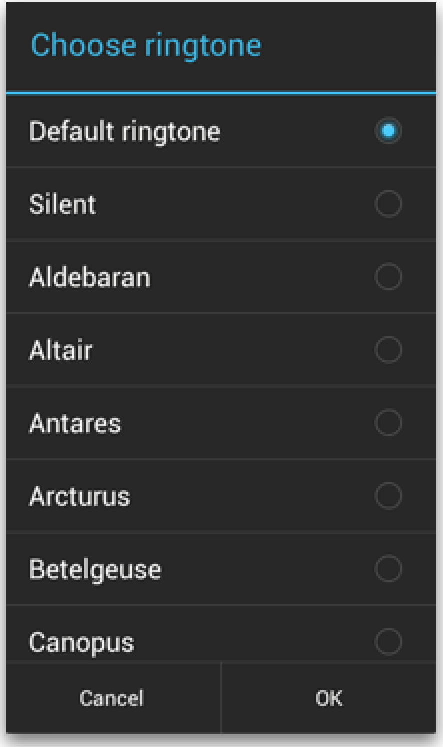
1. **Title -** This is optional and should be used only when the content area is occupied by a detailed message, a list, or custom layout. If you need to state a simple message or question (such as the dialog in figure 1), you don't need a title.

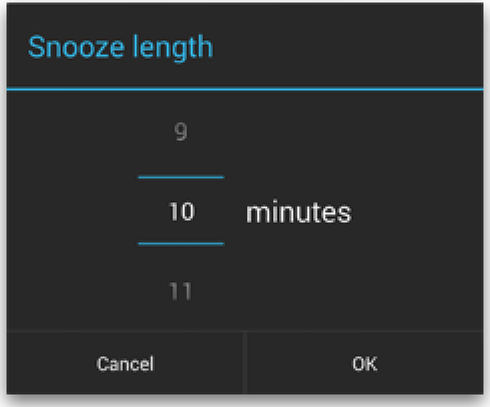
2. **Content area -** This can display a message, a list, or other custom layout.

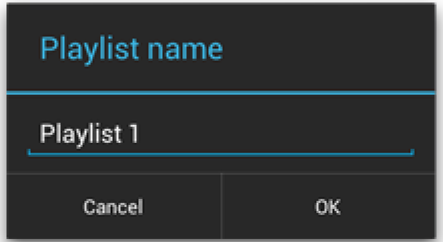
3. **Action buttons -** There should be no more than three action buttons in a dialog.



More Examples







DialogFragment

- You should use a DialogFragment as a container for your dialog.
- Typically will return an AlertDialog.

DialogFragment

```
public static class MyQuestionDialogFragment extends DialogFragment {
     @Override
     public Dialog onCreateDialog(Bundle savedInstanceState) {
         AlertDialog.Builder builder = new AlertDialog.Builder(getActivity());
         builder.setMessage("Are you smart?")
                 .setPositiveButton("Yes", new DialogInterface.OnClickListener() {
                     public void onClick(DialogInterface dialog, int id) {
                         // Celebrate
                     }
                 })
                 .setNegativeButton("No", new DialogInterface.OnClickListener() {
                     public void onClick(DialogInterface dialog, int id) {
                         // Cry alone in a cold dark room
                     }
                 });
         return builder.create();
     }
 }
```

MainActivity.java

```
Button button = (Button) findViewById(R.id.button);
button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        MyQuestionDialogFragment fragment = new MyQuestionDialogFragment();
        fragment.show(getSupportFragmentManager(), "question");
    }
});
```

Passing Events Back to Host

Documentation

Use general strategy with fragments:

1. Create a special interface
2. Host activity should implement interface
3. Cast activity to interface in onAttach

AlertDialog Customizability

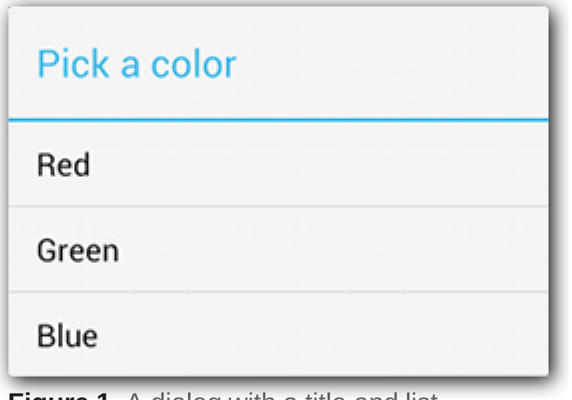


Figure 1. A dialog with a title and list.

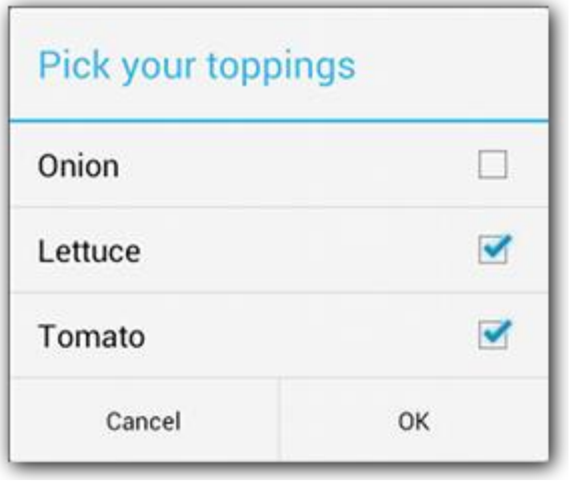
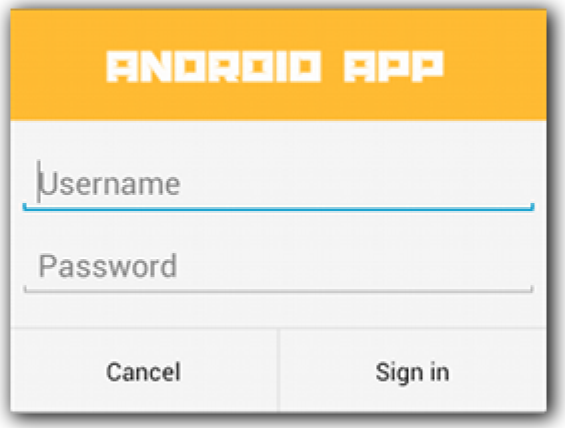


Figure 2. A list of multiple-choice items.

Custom Dialogs

Use AlertDialog and a LayoutInflator.

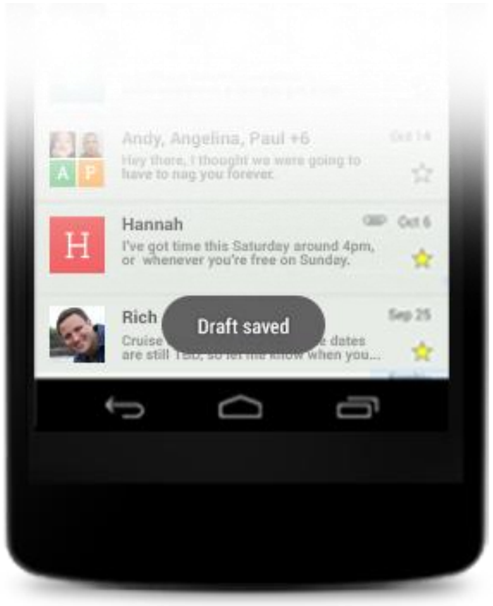


Custom layout file

Standard AlertDialog functionality
(setPositiveButton and setNegativeButton)

Toasts

Toasts provide lightweight feedback about an operation in a small popup. Automatically disappear after a timeout.


Andy, Angelina, Paul +6
Hey there, I thought we were going to have to nag you forever.
Hannah
Oct 6
I've got time this Saturday around 4pm, or whenever you're free on Sunday.
Rich
Sep 25
Draft saved

Questions?