



Android Dialogs

Contents

- Dialog Boxes
 - Alert Dialog Box
 - Progress Dialog Box
 - DatePicker
 - Time Picker

Android 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.
- Dialog is the base class for dialogs:
 - AlertDialog,
 - ProgressDialog,
 - DatePickerDialog
 - TimePickerDialog.

Android Dialogs

Android supports four dialog boxes:

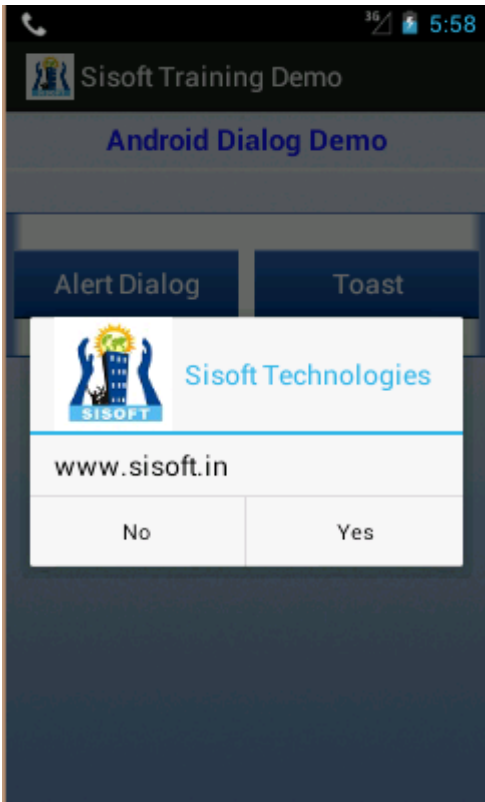
Alert Dialog :- An alert dialog box supports 0 to 3 buttons. It can also have check boxes and radio buttons. It is the most suggested dialog box.

Progress Dialog :- This dialog box displays a progress bar. It is also like Alert Dialog and it also supports adding buttons.

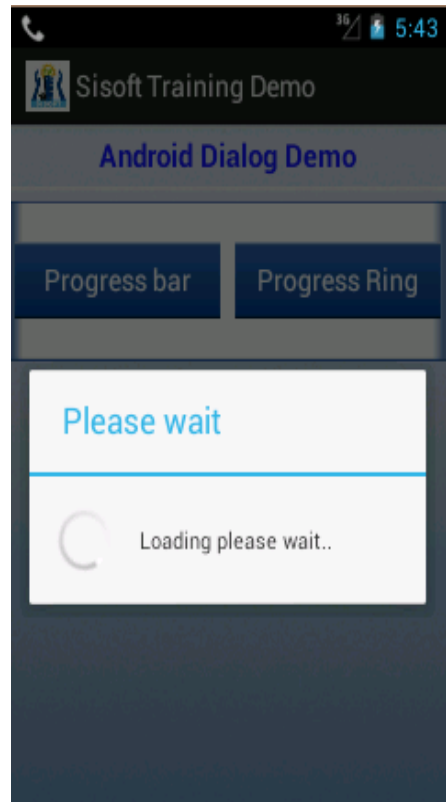
DatePicker Dialog :- This is used to select date by user.

TimePicker Dialog :- This is used to select time by user.

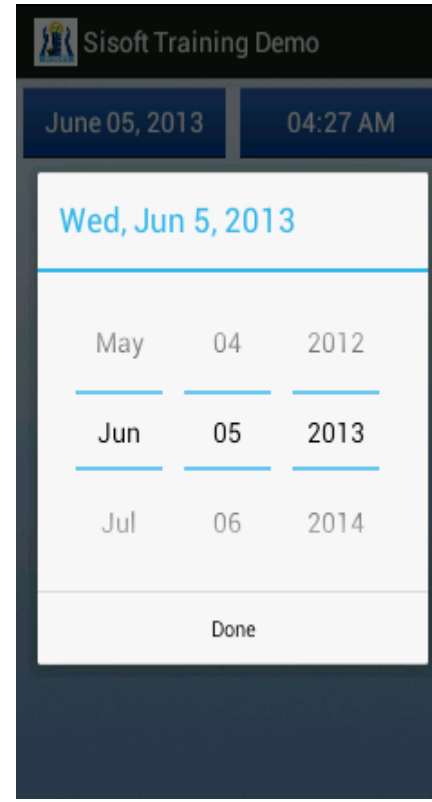
Android Dialogs



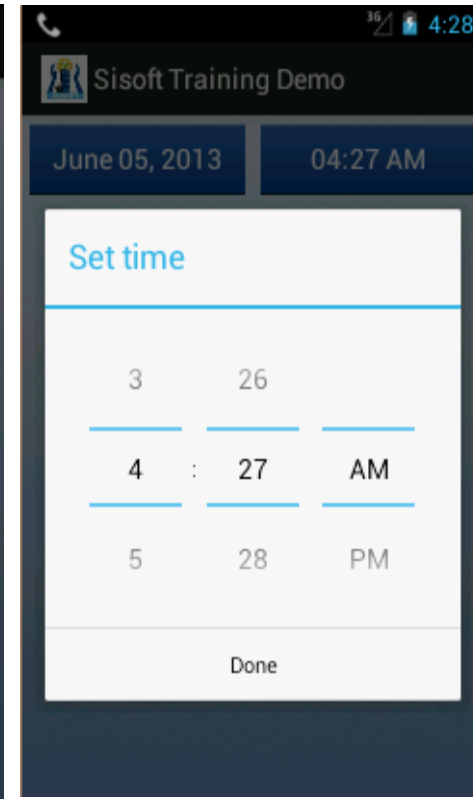
Alert Dialog



Progress Dialog

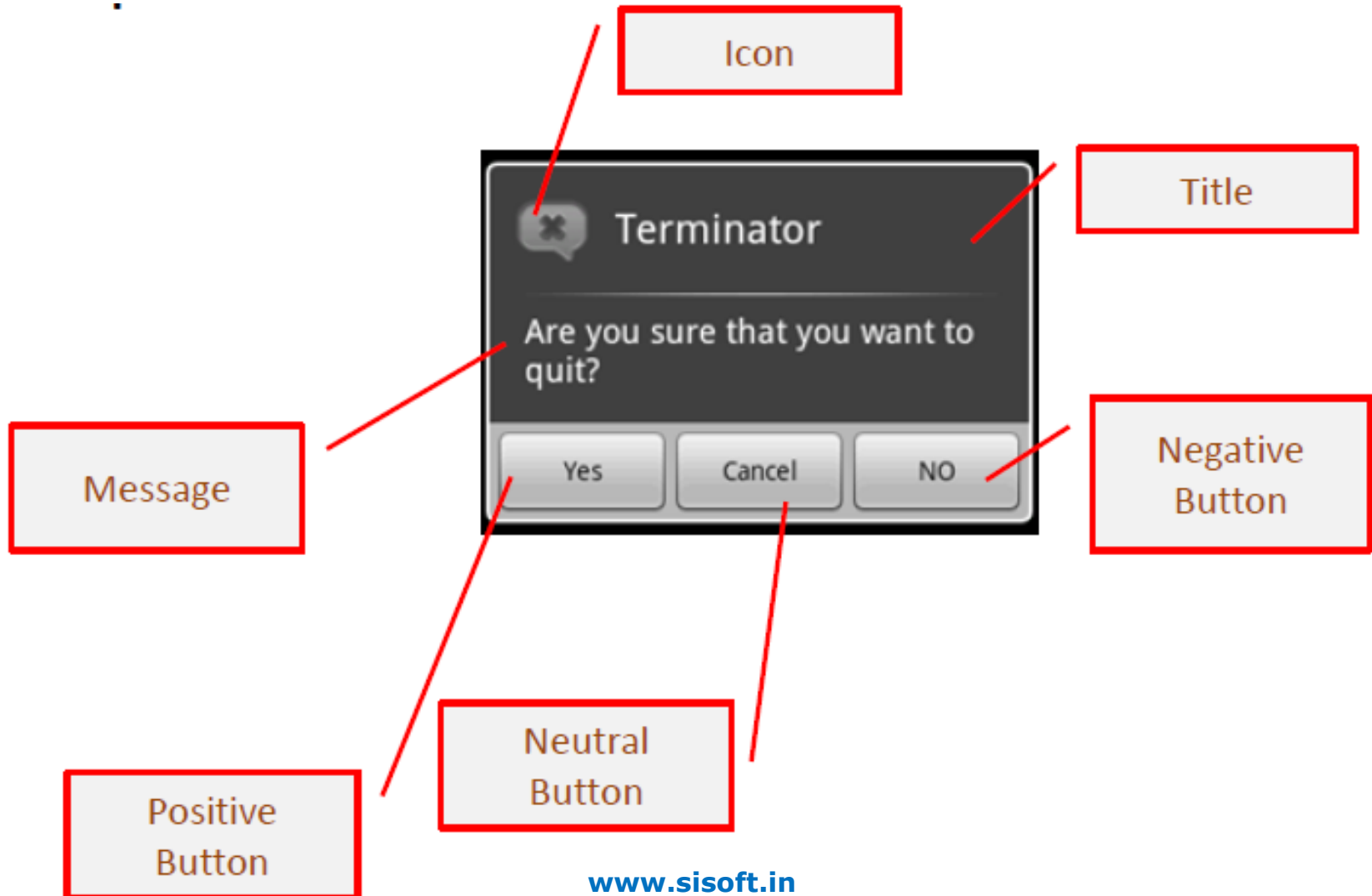


Date Dialog



Time Dialog

1. Alert Dialog



1.Alert Dialog (android.app.AlertDialog)

// 1. Instantiate an [AlertDialog.Builder](#) with its constructor

```
AlertDialog.Builder builder = new AlertDialog.Builder(getActivity());
```

// 2. Chain together various setter methods to set the dialog characteristics

```
builder.setMessage("Would you like to Delete")  
    .setTitle("Delete Confirmation");
```

// 3. Get the [AlertDialog](#) from [create\(\)](#)

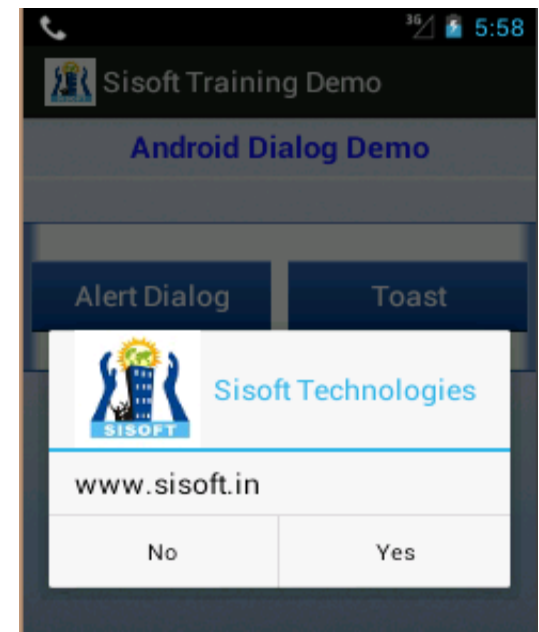
```
AlertDialog alertDialog = builder.create();
```

// 4.show it

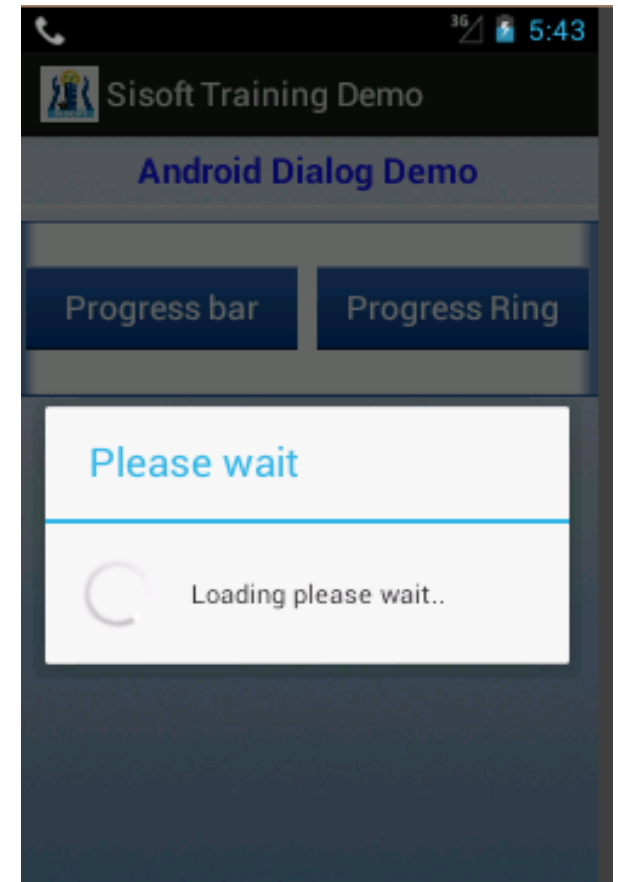
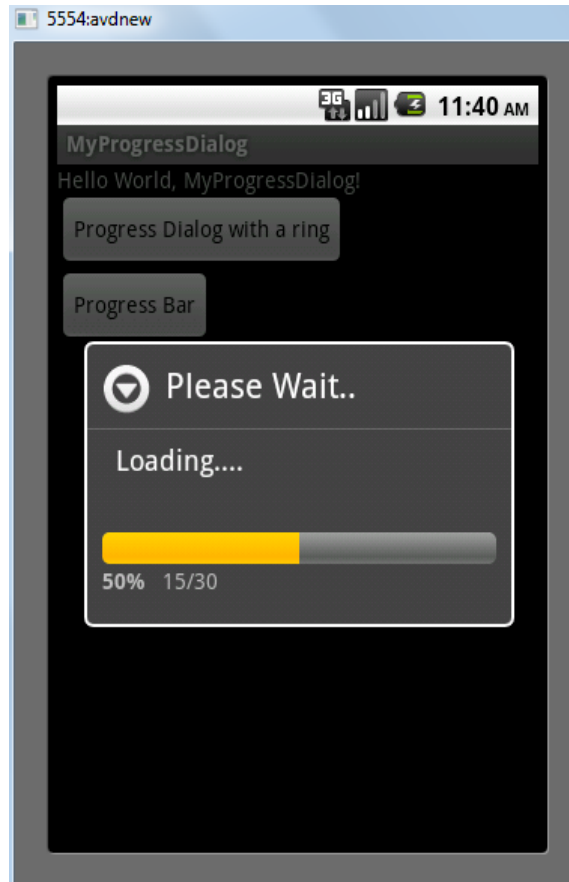
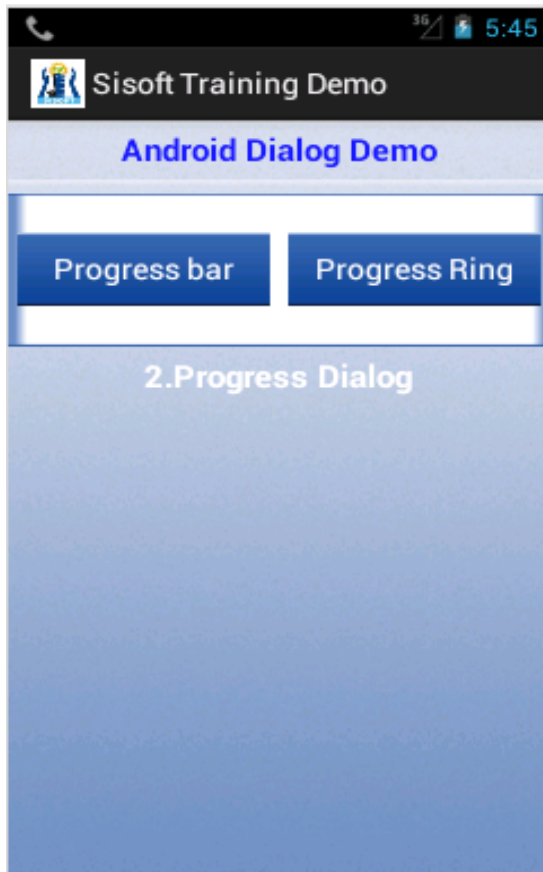
```
alertDialog.show();
```

1.Alert Dialog

```
public void alertDialog(View v) {
AlertDialog.Builder alertBuilder = new AlertDialog.Builder(MainActivity.this);
alertBuilder.setTitle("Confirmation Message");
alertBuilder.setMessage("Sure to delete this content");
alertBuilder.setPositiveButton("Yes", new DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
Toast.makeText(MainActivity.this, "Positive Confirmation", Toast.LENGTH_LONG).show();
dialog.cancel(); } });
alertBuilder.setNegativeButton("Nope", new DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
Toast.makeText(MainActivity.this, "Negative Confirmation",
                Toast.LENGTH_LONG).show();
dialog.cancel(); } });
AlertDialog ad = alertBuilder.create();
ad.show(); }
```

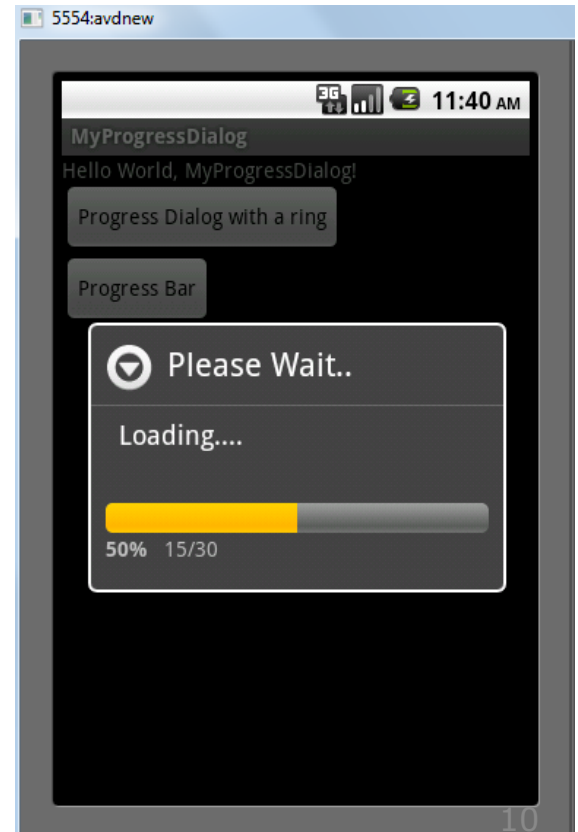


2.Progress Dialog Ring



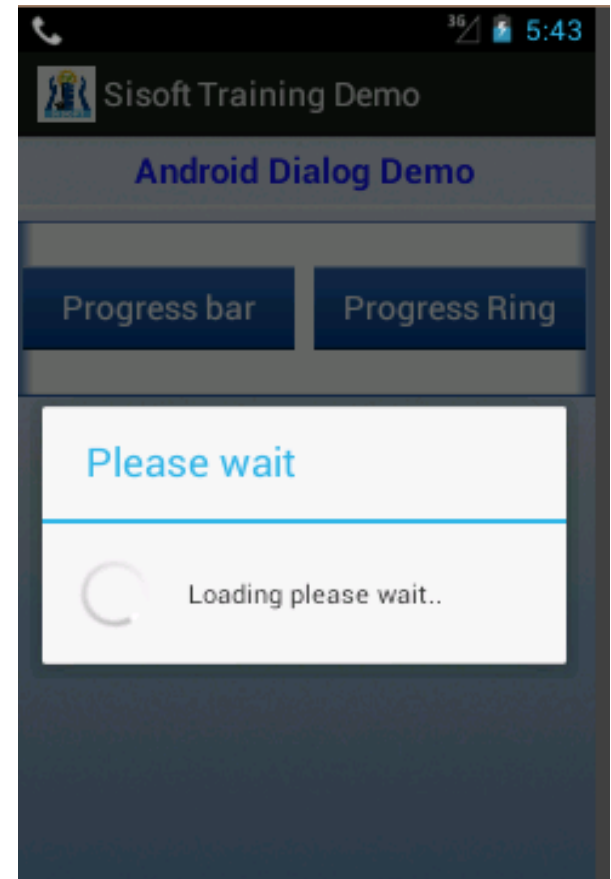
2.1 Progress bar with bar

```
ProgressDialog myPd_bar =new ProgressDialog(this);  
myPd_bar.setMessage("Loading....");  
myPd_bar.setTitle("Please Wait..");  
myPd_bar.setProgressStyle(ProgressDialog.STYLE_HORIZONTAL);  
myPd_bar.setProgress(0);  
myPd_bar.setMax(30);  
myPd_bar.show();  
  
////myPd_bar.Dismiss();
```

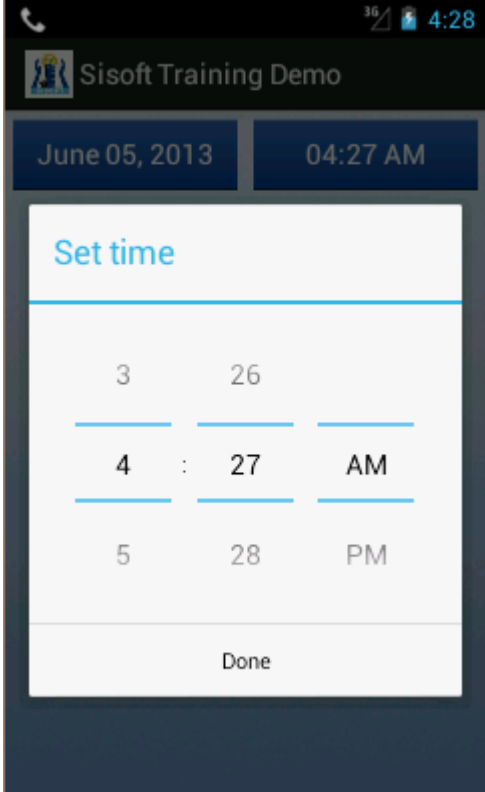
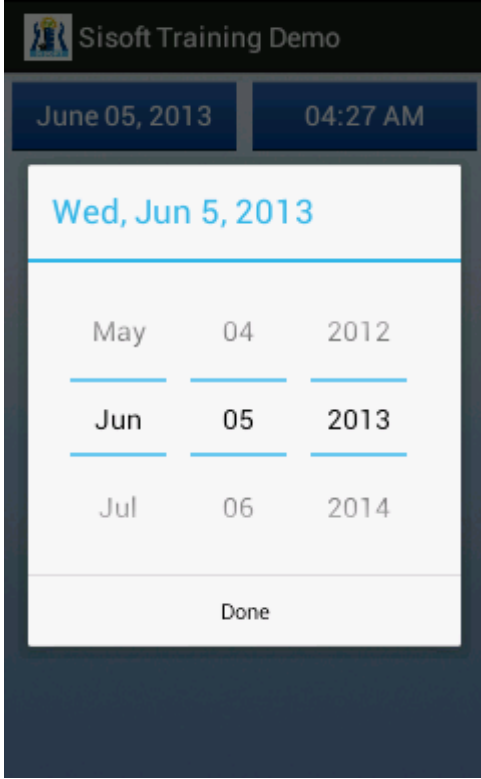


2.1 Progress Dialog with Ring

```
final ProgressDialog myPd_ring=ProgressDialog.show(MainActivity.this,  
"Please wait", "Loading please wait..", true);  
myPd_ring.setCancelable(true);  
new Thread(new Runnable() {  
    @Override  
    public void run() {  
        // TODO Auto-generated method stub  
        try  
        {  
            Thread.sleep(5000);  
        }catch(Exception e){}  
        myPd_ring.dismiss();  
    }  
}).start();
```



Date Time Picker



Date Picker Dialog

- public DatePickerDialog (Context context, DatePickerDialog.OnDateSetListener callBack, int year, int monthOfYear, int dayOfMonth)
- **Parameters**
 - context: The context the dialog is to run in.
 - callBack: How the parent is notified that the date is set.
 - Year: The initial year of the dialog.
 - monthOfYear: The initial month of the dialog.
 - dayOfMonth: The initial day of the dialog.

Date Picker Dialog

```
Calendar cal1 = Calendar.getInstance();
// Instantiate a DatePickerDialog Class (android.app.DatePickerDialog)
DatePickerDialog datePickerDialog =
new DatePickerDialog( this,
new OnDateSetListener() {
public void onDateSet(DatePicker view, int year, int monthOfYear, int dayOfMonth) {
    (Toast.makeText(getApplicationContext(), "On Date
        Set:"+year+": "+monthOfYear+dayOfMonth+" ", Toast.LENGTH_LONG)).show();
}
},cal1.get(Calendar.YEAR),
cal1.get(Calendar.MONTH),
cal1.get(Calendar.DAY_OF_MONTH));

datePickerDialog.show();
```

Time Picker Dialog

- public TimePickerDialog (Context context, TimePickerDialog.OnTimeSetListener callBack, int hourOfDay, int minute, boolean is24HourView)
- **Parameters**
 - context: The context the dialog is to run in.
 - callBack: How the parent is notified that the date is set.
 - hourOfDay The initial hour.
 - minute The initial minute.
 - is24HourView Whether this is a 24 hour view, or AM/PM.

Time Picker Dialog

```
Calendar cal2 = Calendar.getInstance();
TimePickerDialog timePickerDialog = new TimePickerDialog(this, new
    OnTimeSetListener() {
@Override
public void onTimeSet(TimePicker arg0, int hourOfDay, int minute) {
    (Toast.makeText(getApplicationContext(), "On Time Set:" + hourOfDay + ":" +
        minute + " ", Toast.LENGTH_LONG)).show();
    }
}, cal2.get(Calendar.HOUR_OF_DAY),
    cal2.get(Calendar.MINUTE), false);

timePickerDialog.show();
```