

Dialogs

Selecciona un día	
lunes	<input checked="" type="radio"/>
martes	<input type="radio"/>
miércoles	<input type="radio"/>
jueves	<input type="radio"/>
viernes	<input type="radio"/>
sábado	<input type="radio"/>
domingo	<input type="radio"/>
Cancel	OK

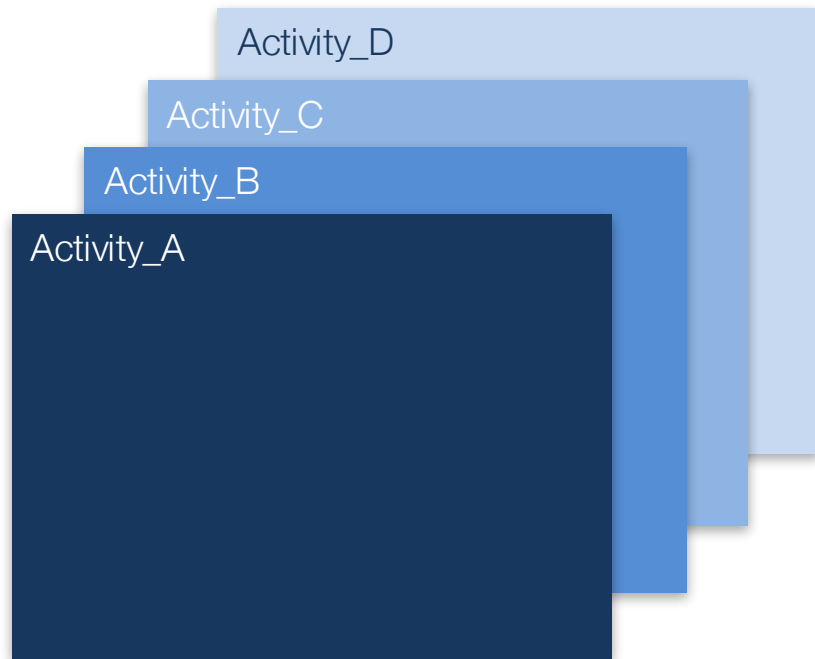
Atención!	
Deseas continuar?	
Cancel	OK

Selecciona días	
lunes	<input checked="" type="checkbox"/>
martes	<input type="checkbox"/>
miércoles	<input type="checkbox"/>
jueves	<input checked="" type="checkbox"/>
viernes	<input checked="" type="checkbox"/>
sábado	<input type="checkbox"/>
domingo	<input type="checkbox"/>
Cancel	OK

Tue, Feb 18, 2014	
February 2014	
S	M T W T F S
5	26 27 28 29 30 31 1
6	2 3 4 5 6 7 8
7	9 10 11 12 13 14 15
8	16 17 18 19 20 21 22
9	23 24 25 26 27 28 1
10	2 3 4 5 6 7 8
OK	

Set time	
00	46
01	: 47
02	48
Done	

Dialogs



Atención!	
Deseas continuar?	
Cancel	OK

Lo ideal es que un mismo Dialog pueda ser útil para muchas Activity.

Dialogs

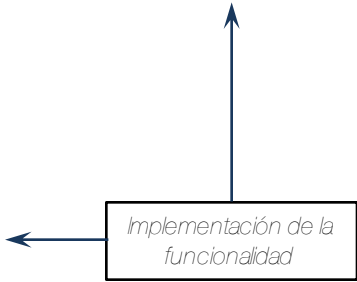
1

2

3

```
import androidx.appcompat.app.AppCompatActivity;

public class MyActivity extends AppCompatActivity
    implements MyDialogo.MyListenert
{
    ...
    @Override
    public void metodoXXX() { ... }
    @Override
    public void metodoYYY() { ... }
}
```



A diagram with a box labeled "Implementación de la funcionalidad" (Implementation of the functionality). An arrow points from this box to the `metodoXXX()` and `metodoYYY()` methods in the code. Another arrow points from the box to the `MyDialogo.MyListenert` interface in the `implements` clause.

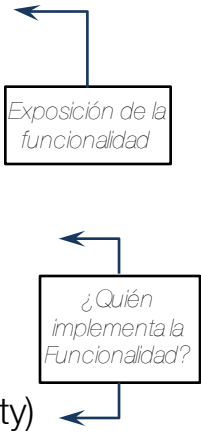
Activity

```
import androidx.fragment.app.DialogFragment;

public class MyDialogo extends DialogFragment
{
    public static interface MyListener
    {
        public void metodoXXX();
        public void metodoYYY();
    }

    private MyListener myListener;

    @Override
    public void onAttach(Context activity)
    {
        super.onAttach( activity );
        myListener = (MyListener) activity;
    }
}
```



A diagram with two boxes. The top box is labeled "Exposición de la funcionalidad" (Exposure of the functionality) and has an arrow pointing to the `MyListener` interface. The bottom box is labeled "¿Quién implementa la Funcionalidad?" (Who implements the functionality?) and has arrows pointing to the `myListener` field and the `onAttach` method.

Dialog

Dialogs

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2

3

Activity

```
public class MiActivity extends AppCompatActivity implements MyDialogo.MyListener
{
    ...
    {
        MyDialogo myDialogo = MyDialogo.newInstance(x, y);
        FragmentManager fm = getSupportFragmentManager();
        myDialogo.show(fm, TAG);
    }
}
```

Dialog

```
public class MyDialogo extends DialogFragment
{
    public static MyDialogo newInstance(param1, param2)
    {
        MyDialogo myDialogo = new MyDialogo();
        Bundle bundle = new Bundle();
        bundle.putXXX(key1, param1);
        bundle.putXXX(key2, param2);
        myDialogo.setArguments(bundle);
        return myDialogo;
    }
}
```

Patrón «Factory»
para crear instancias
DialogFragment

Se puede especificar
parámetros disponibles
durante el ciclo de vida del
DialogFragment
(incluido re-creación)
Debe ejecutarse antes de
onAttach()

Dialogs

1

2

3

```
public class MiActivity extends AppCompatActivity implements MyDialogo.MyListener
{
    ...
    {
        MyDialogo myDialogo = MyDialogo.newInstance(x, y);
        FragmentManager fm = getSupportFragmentManager();
        myDialogo.show(fm, TAG);
    }
}
```

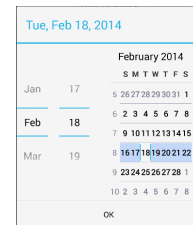
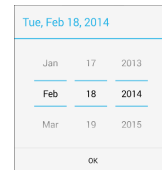
Visualización del FragmentDialog

Dialog

```
public class MiDialogo extends DialogFragment
{
    @Override
    public Dialog onCreateDialog(Bundle savedInstanceState)
    {
        ....
    }
}
```

Creación del Dialog a
mostrar en el
DialogFragment

DatePickerDialog



```
public class MyDialogo extends DialogFragment implements DatePickerDialog.OnDateSetListener
```

```
{  
    public static interface MyListener { ... }  
    :::  
    private MyListener myListener;
```

```
@Override public void onDateSet(DatePicker view, int year, int monthOfYear, int dayOfMonth)
```

```
{  
    myListener.xxxx( ... );  
}
```

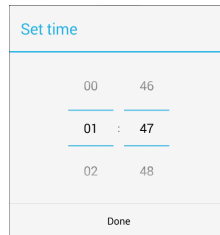
```
@Override public Dialog onCreateDialog(Bundle savedInstanceState)
```

```
{  
    Bundle arguments = getArguments();  
    :::  
    DatePickerDialog dialog = new DatePickerDialog( getActivity(), this, year, month, dayOfMonth );  
    :::  
    return dialog;  
}
```

arguments.getInt(...)

Implementación de DatePickerDialog.OnDateSetListener

TimePickerDialog

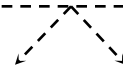


```
public class MyDialogo extends DialogFragment implements TimePickerDialog.OnTimeSetListener
{
    public static interface MyListener { ... }
    :::
    private MyListener myListener;

    @Override public void onTimeSet(TimePicker view, int hourOfDay, int minute)
    {
        myListener.xxxx( ... );
    }
}
```

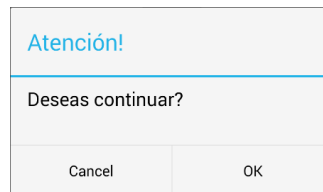
```
@Override public Dialog onCreateDialog(Bundle savedInstanceState)
{
    Bundle arguments = getArguments();
    :::
    TimePickerDialog dialog = new TimePickerDialog(getActivity(), this, hourOfDay, minute);
    :::
    return dialog;
}
```

arguments.getInt(...)



Implementación de TimePickerDialog.OnTimeSetListener

AlertDialog



```
public class MyDialogo extends DialogFragment implements DialogInterface.OnClickListener{
    public static interface MyListener { ... }
    :::
    private MyListener myListener;

    @Override public void onClick(DialogInterface dialog, int which) {
        switch ( which ) {
            case DialogInterface.BUTTON_POSITIVE: myListener.xxxx( ... ); break;
            case DialogInterface.BUTTON_NEGATIVE: myListener.yyyy( ... ); break;
            case DialogInterface.BUTTON_NEUTRAL: myListener.zzzz( ... ); break;
        }
    }
}
```

```
@Override public Dialog onCreateDialog(Bundle savedInstanceState) {
    Bundle arguments = getArguments();
    AlertDialog.Builder builder = new AlertDialog.Builder( getActivity() );
    builder.setTitle("Atención!")
        .setMessage("Deseas continuar?")
        .setPositiveButton(android.R.string.ok, this)
        .setNegativeButton(android.R.string.cancel, this); // .setNeutralButton("Neutral", this)

    return builder.create();
}
```

Implementación de DialogInterface.OnClickListener

this

this

AlertDialog - SingleChoice

Selecciona un día	
lunes	<input checked="" type="radio"/>
martes	<input type="radio"/>
miércoles	<input type="radio"/>
jueves	<input type="radio"/>
viernes	<input type="radio"/>
sábado	<input type="radio"/>
domingo	<input type="radio"/>
Cancel	OK

```
public class MyDialogo extends DialogFragment implements DialogInterface.OnClickListener{  
    public static interface MyListener { ... }  
    ...  
    private MyListener myListener;  
  
    @Override public void onClick(DialogInterface dialog, int which) {  
        switch ( which ) {  
            case DialogInterface.BUTTON_POSITIVE:    myListener.xxxxx();  
            case DialogInterface.BUTTON_NEGATIVE:   myListener.yyyyyy();  
            default: // which: indica el índice del elemento seleccionado  
        }  
    }  
}
```

```
@Override public Dialog onCreateDialog(Bundle savedInstanceState) {
```

```
    Bundle arguments = getArguments();
```

```
    String[] items= {"lunes", "martes", "miércoles", "jueves", "viernes", "sábado", "domingo"};
```

```
    int itemSelectedPosition = 4;
```

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

```
        builder.setTitle("Selecciona un día")
```

```
        .setSingleChoiceItems(items, itemSelectedPosition, this);
```

```
        .setPositiveButton(android.R.string.ok, this)
```

```
        .setNegativeButton(android.R.string.cancel, this);
```

```
    return builder.create();
```

arguments.getXXX(...)

Implementación de
DialogInterface.OnClickListener

AlertDialog - MultiChoice

```
public class MyDialog extends DialogFragment implements DialogInterface.OnMultiChoiceClickListener, DialogInterface.OnClickListener {  
    public static interface MyListener { ... }  
    private MyListener myListener;
```

```
@Override public void onClick(DialogInterface dialog, int which, boolean isChecked) {  
    // which: índice elemento seleccionado      isChecked: ¿está seleccionado?  
};
```

```
@Override public void onClick(DialogInterface dialog, int which) {  
    switch ( which ) {  
        case DialogInterface.BUTTON_POSITIVE:    myListener.xxxx(); break;  
        case DialogInterface.BUTTON_NEGATIVE:    myListener.yyyyy(); break;  
    }  
}
```

```
@Override public Dialog onCreateDialog(Bundle savedInstanceState) {
```

```
    Bundle arguments = getArguments();
```

```
    String[] items = {"lunes", "martes", "miércoles", "jueves", "viernes", "sábado", "domingo"};
```

```
    boolean[] initialSelectedPositions = {true, false, false, true, true, false, false};
```

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

```
        builder.setTitle("Selecciona días")
```

```
        .setMultiChoiceItems(items, initialSelectedPositions, this)
```

```
        .setPositiveButton("OK", this)
```

```
        .setNegativeButton("Cancel", this)
```

```
    return builder.create();
```

Selecciona días	
lunes	<input checked="" type="checkbox"/>
martes	<input type="checkbox"/>
miércoles	<input type="checkbox"/>
jueves	<input checked="" type="checkbox"/>
viernes	<input checked="" type="checkbox"/>
sábado	<input type="checkbox"/>
domingo	<input type="checkbox"/>
Cancel	OK

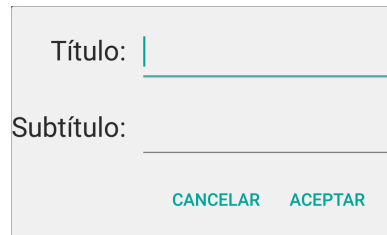
arguments.getXXX(...)

Implementación de
DialogInterface.OnClickListener

AlertDialog - CustomView

```
public class MyDialogo extends DialogFragment implements DialogInterface.OnClickListener {  
    public static interface MyListener { ... }  
    private MyListener myListener;  
  
    @Override public void onClick(DialogInterface dialog, int which) {  
        switch ( which ) {  
            case DialogInterface.BUTTON_POSITIVE:    myListener.xxxxx(); break;  
            case DialogInterface.BUTTON_NEGATIVE:    myListener.yyyyyy(); break;  
        }  
    }  
}
```

```
@Override public Dialog onCreateDialog(Bundle savedInstanceState) {  
    Bundle arguments = getArguments();  
    View view = LayoutInflater.from( getActivity() ).inflate( layout_resource_id );  
    ..... = (...) view.findViewById( ... );  
    ...  
    AlertDialog.Builder builder = new AlertDialog.Builder( getActivity() );  
        builder.setView(view)  
            .setPositiveButton("OK",    this)  
            .setNegativeButton("Cancel", this)  
    return builder.create();  
}
```



Título:

Subtítulo:

Implementación de
DialogInterface.OnClickListener