P82 Mobile Application Development - Android

Dialogues

Dialogue Boxes

- Used to report an error or request info from the user

- Dialog boxes are modal
  - block the interaction with the underlying activity
  - highlight foreground

- Inherit from the Dialog class

Dialogue Boxes

□ Dialogue boxes already exist as an android class:

⊙ AlertDialog

⊙ DatePickerDialog

⊙ TimePickerDialog

⊙ ProgressDialog (requires Threads to animate)

⊙ DialogFragment one redefines the method (not treated)

public Dialog onCreateDialog (Bundle savedInstanceState)

AlertDialog

- With a Builder or AlertDialog.Builder
  AlertDialog.Builder builder = new AlertDialog.Builder (Context)

- Then define a message and the title
  builder.setMessage(R.string.dialog_message)
  .setTitle(R.string.dialog_title);

- Defining the action of the buttons
  - setPositiveButton (text, DialogInterface.OnClickListener listener)
  - setNegativeButton (text, DialogInterface.OnClickListener listener)
  - setNeutralButton (text, DialogInterface.OnClickListener listener)

- Create the AlertDialog
  AlertDialog dialog = builder.create();

AlertDialog with list

- Only three types of list possible
  - ⊙ Simple choice
    setItems
  - ⊙ Simple Choice with Radio Button setSingleChoiceItems()
  - ⊙ Multiple choice with checkBox setMultiChoiceItems()

- Redefine setItem(ressource, gestion du click) For simple choice
- Redefine setSingleChoiceItems() for RadioBouton
- Redefine setMultiChoiceItems() for CheckBox

AlertDialog with own Layout

```xml
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:orientation="vertical"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content">
<EditText
        android:id="@+id/username"
        android:inputType="textEmailAddress"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:layout_marginLeft="4dp"
        android:layout_marginRight="4dp"
        android:layout_marginBottom="4dp"
        android:hint="Votre Nom" />
<EditText
        android:id="@+id/password"
        android:inputType="textPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="4dp"
        android:layout_marginLeft="4dp"
        android:layout_marginRight="4dp"
        android:layout_marginBottom="16dp"
        android:fontFamily="sans-serif"
        android:hint="Password"/>
</LinearLayout>
```

♦ Redefine the setView method

LayoutInflater inflater = getLayoutInflater ();

builder.setView (inflater.inflate (R.layout.my_alert_dialog, null))

Link:
http://developer.android.com/guide/topics/ui/dialogs.html