

**Correction TP13**

**Matière : ATELIER DEVELOPPEMENT MOBILE**

**Classes : SEM21**

## Exercice

### MainActivity

```
private void ajouterEcouteur() {
    btnEn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            enregistrer();
        }
    });
    btnAff.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            afficher();
        }
    });
}

private void recuperer() {
    SharedPreferences p = getSharedPreferences("radio", Context.MODE_PRIVATE);
    edF.setText(p.getString("frequence", ""));
    spT.setSelection(p.getInt("type", 0));
    seekV.setProgress(p.getInt("volume", 0));
    if (p.getBoolean("stockage", true))
        rdgSt.check(R.id.rdApp);
    else
        rdgSt.check(R.id.rdCar);
}

private void enregistrer() {
    SharedPreferences p = getSharedPreferences("radio", Context.MODE_PRIVATE);
    SharedPreferences.Editor ed = p.edit();
    ed.putString("frequence", edF.getText().toString());
    ed.putInt("type", spT.getSelectedItemPosition());
    ed.putInt("volume", seekV.getProgress());
    switch (rdgSt.getCheckedRadioButtonId()) {
        case R.id.rdApp:
            ed.putBoolean("stockage", true);
            break;
        case R.id.rdCar:
            ed.putBoolean("stockage", false);
            break;
    }
    ed.commit();
}

private void afficher() {
    String message = "";
    message += "Fréquence: " + edF.getText().toString() + "\n";
    message += "Type: " + spT.getSelectedItem() + "\n";
    message += "Volume: " + seekV.getProgress() + "\n";
    message += "Stockage: ";
    switch (rdgSt.getCheckedRadioButtonId()) {
        case R.id.rdApp:
            message += "Appareil\n";
            break;
        case R.id.rdCar:
            message += "Carte SD\n";
            break;
    }
    Toast.makeText(this, message, Toast.LENGTH_LONG).show();
}
```

# Problème

## MainActivity

```
private void ajouterEcouleurs() {
    btnA.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            ajouter();
        }
    });
    btnST.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            supprimerTout();
        }
    });
    lstP.setOnItemClickListener(new AdapterView.OnItemClickListener() {
        @Override
        public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
            detailler(position);
        }
    });
}

private void ajouter() {
    Intent i = new Intent(this,Ajout.class);
    startActivityForResult(i,ACTION_AJOUT);
}

private void supprimerTout() {
    AlertDialog.Builder ab = new AlertDialog.Builder(MainActivity.this);
    ab.setTitle("Supprimer tout!");
    ab.setMessage("Etes-vous sûr de vouloir supprimer tous les pays?");
    ab.setPositiveButton("Oui", new DialogInterface.OnClickListener() {
        public void onClick(DialogInterface dialog, int id) {
            adpP.clear();
        }
    });
    ab.setNegativeButton("Non", new DialogInterface.OnClickListener() {
        public void onClick(DialogInterface dialog, int id) {
            dialog.cancel();
        }
    });

    AlertDialog a = ab.create();
    a.show();
}

private void detailler(int position) {
    Intent i = new Intent(this,Detail.class);
    Pays p = adpP.getItem(position);
    i.putExtra("nom",p.getNom());
    i.putExtra("capitale",p.getCapitale());
    i.putExtra("nbVille",p.getNbVille());
    startActivity(i);
}
```

@Override

```
protected void onActivityResult(int requestCode, int resultCode, Intent data) {  
    if(requestCode==ACTION_AJOUT && resultCode==RESULT_OK){  
        String nom = data.getStringExtra("nom");  
        String capitale = data.getStringExtra("capitale");  
        int nbVille = data.getIntExtra("nbVille",0);  
        Pays v = new Pays(nom,capitale,nbVille);  
        adpP.add(v);  
    }  
    super.onActivityResult(requestCode, resultCode, data);  
}
```

**Ajout**

```
private void ajouterEcouteur() {  
    btnV.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View v) {  
            valider();  
        }  
    });  
    btnA.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View v) {  
            annuler();  
        }  
    });  
}  
private void valider() {  
    String nom= edN.getText().toString();  
    String capitale= edC.getText().toString();  
    String nbVille= edNb.getText().toString();  
    if(!nom.isEmpty()&&!capitale.isEmpty()&&!nbVille.isEmpty()) {  
        Intent i = new Intent();  
        i.putExtra("nom",nom);  
        i.putExtra("capitale",capitale);  
        i.putExtra("nbVille",Integer.parseInt(nbVille));  
        setResult(RESULT_OK, i);  
        finish();  
    }else{  
        Toast.makeText(this,"Remplir tous les chapms SVP!",Toast.LENGTH_LONG).show();  
    }  
}  
private void annuler() {  
    setResult(RESULT_CANCELED);  
    finish();  
}
```

**Detail**

```
private void afficherDetail() {  
    String nom = getIntent().getStringExtra("nom");  
    String capitale = getIntent().getStringExtra("capitale");  
    int nbVille = getIntent().getIntExtra("nbVille",0);  
    String message="";  
    message+="Nom du pays : "+nom+"\n";  
    message+="Capitale : "+capitale+"\n";  
    message+="NbVille : "+nbVille;  
    tvD.setText(message);  
}
```