

**TD03 Correction**

**Matière : ATELIER DEVELOPPEMENT MOBILE AVANCE**

**Classes : SEM31**

```
package com.suivi;
public class Patient {
    private int id;
    private String nom;
    private String prenom;
    private String date;
    private int tension;
    private int rythme;
    public Patient(int id, String nom, String prenom, String date, int tension,
        int rythme) {
        this.id = id;    this.nom = nom;    this.prenom = prenom;
        this.date = date;    this.tension = tension;    this.rythme = rythme;
    }
    public int getId() { return id; }
    public String getNom() { return nom; }
    public String getPrenom() { return prenom; }
    public String getDate() { return date; }
    public int getTension() { return tension; }
    public int getRythme() { return rythme; }
    @Override
    public String toString() { return nom + "-" + prenom + "-" + date; }
}
```

```

package com.suivi;
// les import nécessaires
public class MainActivity extends Activity {
    private Spinner spPatient;
    private EditText edTension;
    private EditText edRythme;
    private Button btnActualiser;
    private Button btnNouveau;
    private ArrayAdapter<Patient> adpPatient;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        init();
    }
    private void init() {
        spPatient = (Spinner) findViewById(R.id.spPatient);
        edTension = (EditText) findViewById(R.id.edTension);
        edRythme = (EditText) findViewById(R.id.edRythme);
        btnActualiser = (Button) findViewById(R.id.btnModifier);
        btnNouveau = (Button) findViewById(R.id.btnNouveau);
        edRythme = (EditText) findViewById(R.id.edRythme);
        adpPatient = new ArrayAdapter<Patient>(this,
        android.R.layout.simple_spinner_dropdown_item);
        spPatient.setAdapter(adpPatient);
        remplir();
        ajouterEcouteurs();
    }
    private void ajouterEcouteurs() {
        btnActualiser.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View v) {
                modifier();
            }
        });
        btnNouveau.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View v) {
                nouveau();
            }
        });
        spPatient.setOnItemClickListener(new OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> arg0, View arg1, int arg2, long arg3) {
                actualiser();
            }
            @Override
            public void onNothingSelected(AdapterView<?> arg0) {
            }
        });
    }
    private void remplir() {
        RequestQueue queue = Volley.newRequestQueue(this);
        String url = "http://100.20.12.2:80/gestion/suivi/Liste.php";
        JSONObjectRequest jsonObjRequest = new JSONObjectRequest(Request.Method.POST, url, null,

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new Response.Listener<JSONObject>() {
    @Override
    public void onResponse(JSONObject response) {
        try {
            JSONArray a = response.getJSONArray("liste");
            adpPatient.clear();
            for (int i = 0; i < a.length(); i++) {
                JSONObject o = a.getJSONObject(i);
                int id = o.getInt("id");
                String nom = o.getString("nom");
                String prenom = o.getString("prenom");
                String date = o.getString("date");
                int tension = o.getInt("tension");
                int rythme = o.getInt("rythme");
                Patient p = new Patient(id, nom, prenom, date, tension, rythme);
                adpPatient.add(p);
            }
        } catch (JSONException e) {
            Toast t = Toast.makeText(Modification.this, "Problème d'analyse JSON: " +
e.getMessage(),
                                Toast.LENGTH_LONG);
            t.show();
        }
    }, new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
            Toast t = Toast.makeText(Modification.this, "Problème d'appel HTTP: " +
error.getMessage(),
                                Toast.LENGTH_LONG);
            t.show();
        }
    });
    queue.add(jsObjRequest);
}
}
protected void actualiser() {
    Patient p = (Patient) spPatient.getSelectedItem();
    if (p != null) {
        edTension.setText(p.getTension() + "");
        edRythme.setText(p.getRythme() + "");
    }
}
protected void nouveau() {
    Intent i = new Intent(MainActivity.this, Ajout.class);
    startActivity(i);
}

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protected void modifier() {
    if(spPatient.getSelectedItemPosition() >= 0) {
        final Patient p = (Patient) spPatient.getSelectedItem();
        RequestQueue queue = Volley.newRequestQueue(this);
        String url = "http://100.20.12.2:80/gestion/suivi/Modification.php";
        StringRequest stringRequest = new StringRequest(Request.Method.POST, url,
            new Response.Listener<String>() {
                @Override
                public void onResponse(String response) {
                    try {
                        JSONObject r = new JSONObject(response);
                        String etat = r.getString("ETAT");
                        if (etat.equals("SUCCES")) {
                            remplir();
                        } else {
                            Toast t = Toast.makeText(Modification.this, "Echec de la modification",
                                Toast.LENGTH_LONG);
                            t.show();
                        }
                    } catch (JSONException error) {
                        Toast t = Toast.makeText(Modification.this, "Problème d'analyse JSON:" +
                            error.getMessage(), Toast.LENGTH_LONG);
                        t.show();
                    }
                }
            }, new Response.ErrorListener() {
                @Override
                public void onErrorResponse(VolleyError e) {
                    Toast t = Toast.makeText(Modification.this, "Problème d'appel HTTP:" +
                        e.getMessage(), Toast.LENGTH_LONG);
                    t.show();
                }
            }) {
            @Override
            public Map<String, String> getParams() throws AuthFailureError {
                HashMap<String, String> headers = new HashMap<String, String>();
                headers.put("id", p.getId() + "");
                headers.put("tension", edTension.getText().toString());
                headers.put("rythme", edRythme.getText().toString());
                return headers;
            }
        };
        queue.add(stringRequest);
    }
}

```

```

package com.suivi;
// les import nécessaires
public class Ajout extends Activity {
    private EditText edNom;
    private EditText edPrenom;
    private EditText edDate;
    private Button btnAjouter;
    private Button btnRetour;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        init();
    }
    private void init() {
        edNom = (EditText) findViewById(R.id.edNom);
        edPrenom = (EditText) findViewById(R.id.edPrenom);
        edDate = (EditText) findViewById(R.id.edDate);
        btnAjouter = (Button) findViewById(R.id.btnAjouter);
        btnRetour = (Button) findViewById(R.id.btnRetour);
        ajouterEcouteur();
    }
    private void ajouterEcouteur() {
        btnAjouter.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View v) {
                ajouter();
            }
        });
        btnRetour.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View v) {
                retour();
            }
        });
    }
    protected void retour() {
        Intent i = new Intent(Ajout.this, MainActivity.class);
        startActivity(i);
    }
    protected void ajouter() {
        RequestQueue queue = Volley.newRequestQueue(this);
        String url = "http://100.20.12.2:80/gestion/suivi/Ajout.php";
        StringRequest stringRequest = new StringRequest(Request.Method.POST, url,
            new Response.Listener<String>() {
                @Override
                public void onResponse(String response) {
                    try {
                        JSONObject r = new JSONObject(response);
                        String etat = r.getString("ETAT");
                        if (etat.equals("SUCCES")) {
                            edNom.setText("");
                            edPrenom.setText("");
                            edDate.setText("");
                            edNom.requestFocus();
                        } else {

```

```

        Toast t = Toast.makeText(Ajout.this, "Echec de l'ajout",
Toast.LENGTH_LONG);
        t.show();
    }
    } catch (JSONException error) {
        Toast t = Toast.makeText(Ajout.this, "Problème d'analyse JSON: " +
error.getMessage(), Toast.LENGTH_LONG);
        t.show();
    }
    }
    }, new Response.ErrorListener() {
@Override
public void onErrorResponse(VolleyError e) {
    Toast t = Toast.makeText(Ajout.this, "Problème d'appel HTTP: " + e.getMessage(),
Toast.LENGTH_LONG);
    t.show();
}
}) {
@Override
public Map<String, String> getParams() throws AuthFailureError {
    HashMap<String, String> headers = new HashMap<String, String>();
    headers.put("nom", edNom.getText().toString());
    headers.put("prenom", edPrenom.getText().toString());
    headers.put("date", edDate.getText().toString());
    return headers;
}
};
queue.add(stringRequest);
}
}
}
}

```