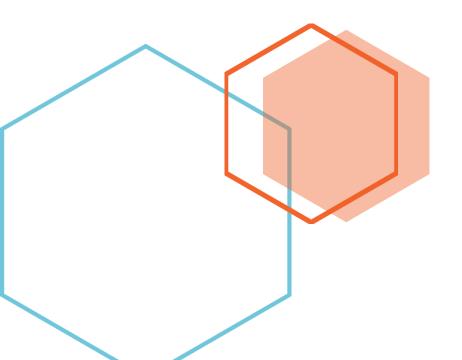


# [Compte Rendu]

TP 4 : Persistance de données

Développement Mobile et Systèmes Muli-Agents

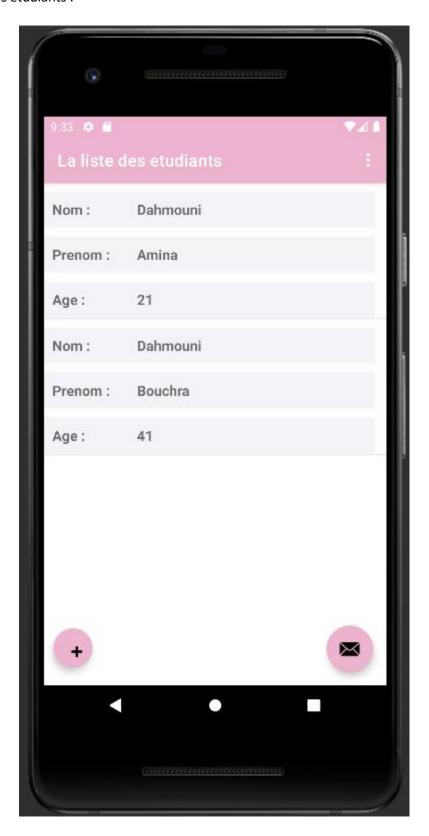
L'Ecole Normale Supérieure de l'Enseignement Technique de Mohammedia (ENSET)



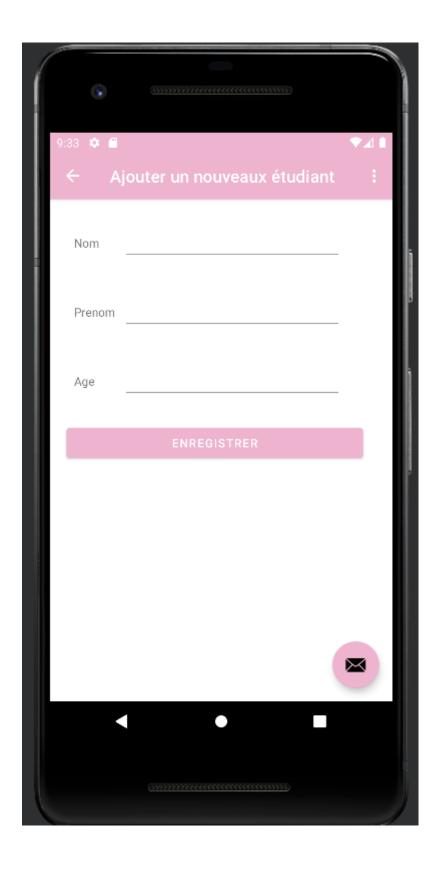


## Présentation de l'application :

La liste des étudiants :



## Ajouter un nouvel étudiant :



## **Code d'application:**

#### MainActivity.java

#### La méthode OnCreate:

```
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);

    binding = ActivityMainBinding.inflate(getLayoutInflater());
    setContentView(binding.getRoot());

    setSupportActionBar(binding.toolbar);

    NavController navController = Navigation.findNavController( activity: this, R.id.nav_host_fragment_content_main);
    appBarConfiguration = new AppBarConfiguration.Builder(navController.getGraph()).build();
    NavigationUI.setupActionBarWithNavController( activity: this, navController, appBarConfiguration);

binding.fab.setOnClickListener(new View.OnClickListener() {
        ListeUser listeUser=new ListeUser();
}
```

#### La méthode Onclick:

```
QOverride
public void onClick(View view) {
    try {
        FileInputStream fis=openFileInput(FILE_NAME);
        ObjectInputStream ois =new ObjectInputStream(fis);
        listeUser=(ListeUser) ois.readObject();
        System.out.println(listeUser);
    } catch (Exception e) {
        e.printStackTrace();
    }
    ListView listView= findViewById(R.id.listeViews);
```

```
ListEtudiantAdapter adapter=new ListEtudiantAdapter( context: MainActivity.this,R.layout.
listView.setAdapter(adapter);
System.out.println(listeUser);
names.clear();
for(int i=0;i<listeUser.getEtudiants().size();i++)
names.add(listeUser.getEtudiants().get(i));
listView.setAdapter(adapter);
adapter.notifyDataSetChanged();

Snackbar.make(view, text: "Replace with your own action", Snackbar.LENGTH_LONG)
.setAction( text: "Action", listener: null).show();
}
});
}
```

#### First fragment:

### Second fragment:

#### Classe Etudiant:

```
package ma.enset.tp4.model;
import java.io.Serializable;
public class Etudiant implements Serializable {
   private int age;
   private String Nom;
   private String Prenom;
   public Etudiant() {
    public int getAge() { return age; }

   public void setAge(int age) { this.age = age; }

   public String getNom() { return Nom; }

   public void setNom(String nom) { Nom = nom; }

   public String getPrenom() { return Prenom; }

   public void setPrenom(String prenom) { Prenom = prenom; }

   public void setPrenom(String prenom) { Prenom = prenom; }
```

#### Adaptateur de la liste des étudiants :

```
package ma.enset.tp4.model;

dimport ...

public class ListEtudiantAdapter extends ArrayAdapter<Etudiant> {
    private int resource;

public ListEtudiantAdapter(@NonNull Context context, int resource, @NonNull List<Etudiant> etudiants)
    super(context, resource, etudiants);
    this.resource=resource;

}

@NonNull
@Override
public View getView(int position, @Nullable View convertView, @NonNull ViewGroup parent) {
    View listItemView = convertView;
    if (listItemView = null) {
        listItemView = LayoutInflater.from(getContext()).inflate(resource, parent, attachToRoot false);
    }
    TextView textViewLogin = listItemView.findViewById(R.id.textViewPrnme);
    TextView textViewAge = listItemView.findViewById(R.id.textViewPrnme);
    TextView textViewAge = listItemView.findViewById(R.id.textViewAge);

textViewPrenom.setText(getItem(position).getNom());
    textViewPrenom.setText(getItem(position).getPrenom());
    textViewAge.setText((String.valueOf(getItem(position).getAge())));
    return listItemView;
```