# APLICATIVO CADASTRO DE ALUNOS GRUPO BOLA 7

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# **ConnectionFactory:**

## Classe Javabean(Aluno):

```
public String toString() {
public Integer getId() {
public String getNome() {
public String getCpf() {
public void setCpf(String cpf) {
public String getTelefone() {
public void setTelefone(String telefone) {
```

```
this.telefone = telefone;
}
```

#### AlunoDAO:

```
oublic class AlunoDAO {
    private ConnectionFactory conexao;
    public AlunoDAO(Context context) {
        conexao = new ConnectionFactory(context);
    public Aluno obterAlunoPorId(long id) {
        String query = "SELECT * FROM aluno WHERE id = ?";
Cursor cursor = banco.rawQuery(query, new
String[]{String.valueOf(id)});
        if (cursor.moveToFirst()) {
             aluno.setNome(cursor.getString(nomeIndex));
             aluno.setCpf(cursor.getString(cpfIndex));
            cursor.close();
    public void update(Aluno aluno) {
```

```
public void deleteByCPF(String cpf) {
    Cursor cursor = banco.rawQuery(query, new String[]{nome});
       aluno.setId(cursor.getInt(idIndex));
       aluno.setNome(cursor.getString(nomeIndex));
       aluno.setCpf(cursor.getString(cpfIndex));
       aluno.setTelefone(cursor.getString(telefoneIndex));
       cursor.close();
public Aluno findByCPF(String cpf) {
   Cursor cursor = banco.rawQuery(query, new String[]{cpf});
       aluno.setNome(cursor.getString(nomeIndex));
       aluno.setCpf(cursor.getString(cpfIndex));
       aluno.setTelefone(cursor.getString(telefoneIndex));
       cursor.close();
public List<Aluno> obterTodos() {
```

```
if (cursor != null && cursor.moveToFirst()) {
    int idIndex = cursor.getColumnIndex("id");
    int nomeIndex = cursor.getColumnIndex("nome");
    int cpfIndex = cursor.getColumnIndex("cpf");
    int telefoneIndex = cursor.getColumnIndex("telefone");

    do {
        Aluno a = new Aluno();
        a.setId(cursor.getInt(idIndex));
        a.setNome(cursor.getString(nomeIndex));
        a.setCpf(cursor.getString(cpfIndex));
        a.setTelefone(cursor.getString(telefoneIndex));
        alunos.add(a);
    } while (cursor.moveToNext());

    cursor.close();
}

return alunos;
}
```

# **Main Activity:**

## Classe Crud.java:

```
public class Crud extends AppCompatActivity {
    private EditText editTextNome;
    private EditText editTextCPF;
    private EditText editTextTelefone;
    private Button buttonGravar;
    private Button buttonExcluir;
    private Button buttonExcluir;
    private Button buttonVoltar;
    private Button buttonPdf;
    private AlunoDAO alunoDAO;
    private long alunoId; // Variável para armazenar o ID do aluno selecionado

@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.crud);
        alunoDAO = new AlunoDAO(this);

        editTextNome = findViewById(R.id.editTextNome);
        editTextTelefone = findViewById(R.id.buttonGravar);
        buttonGravar = findViewById(R.id.buttonGravar);
        buttonAlterar = findViewById(R.id.buttonGravar);
        buttonExcluir = findViewById(R.id.buttonExcluir);
        buttonPdf = findViewById(R.id.buttonPdf);

        // Obtem o ID do aluno selecionado da MainActivity
```

```
editTextTelefone.setOnEditorActionListener(editorActionListener);
       buttonGravar.setOnClickListener(new View.OnClickListener() {
       buttonExcluir.setOnClickListener(new View.OnClickListener() {
           public void onClick(View v) {
       buttonVoltar.setOnClickListener(new View.OnClickListener() {
```

```
public boolean onCreateOptionsMenu(Menu menu) {
   public boolean onOptionsItemSelected(MenuItem item) {
           gravarAluno();
   private TextWatcher textWatcher = new TextWatcher() {
count, int after) {
       public void onTextChanged(CharSequence s, int start, int
       public void afterTextChanged(Editable s) {
```

```
TextView.OnEditorActionListener() {
KeyEvent event) {
    private void gerarPdf() {
       startActivity(intent);
       String nome = editTextNome.getText().toString();
       String cpf = editTextCPF.getText().toString();
       String telefone = editTextTelefone.getText().toString();
        String nome = editTextNome.getText().toString();
        String cpf = editTextCPF.getText().toString();
        String telefone = editTextTelefone.getText().toString();
```

```
if (!nome.isEmpty() && !cpf.isEmpty() && !telefone.isEmpty())
Toast.LENGTH SHORT).show();
                    limparCampos();
MainActivity.class);
        String nome = editTextNome.getText().toString();
        String novoCPF = editTextCPF.getText().toString();
        String telefone = editTextTelefone.getText().toString();
!novoCPF.isEmpty() && alunoId != -1) {
novoCPF, telefone);
                alunoDAO.update(alunoAtualizado);
                limparCampos();
```

```
if (!cpf.isEmpty()) {
                alunoDAO.deleteByCPF(cpf);
Toast. LENGTH SHORT) . show();
                 limparCampos();
    private void limparCampos() {
```

# Pdf\_activity(Classe para exibir pdf):

```
public class PdfActivity extends AppCompatActivity {
   private WebView webView;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_pdf);

        webView = findViewById(R.id.webView);
        WebSettings webSettings = webView.getSettings();
        webSettings.setJavaScriptEnabled(true);

        // Carrega o link do PDF na webview
        webView.loadUrl("https://drive.google.com/file/d/lplIr6ksjQ-DSA84V4nnOuRpXJtFtMstD/view?usp=sharing");
    }
}
```

## **Activity Main XML:**

```
<LinearLayout
   android:orientation="vertical">
       android:layout width="match parent"
       android:layout height="wrap content"
       android:layout width="match parent"
       android:layout height="0dp"
       android:layout weight="1" />
       android:layout width="match parent"
       android:layout height="wrap content"
 /LinearLayout>
```

## **Crud XML:**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp">

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        android:background="#7359A1"
        android:elevation="4dp"
        android:theme="@style/MyToolbarStyle"</pre>
```

```
<EditText
      android:layout width="match parent"
  <EditText
      android:layout width="match parent"
      android:layout height="wrap content"
      android:layout width="match parent"
/LinearLayout>
```

## Menu XML:

```
app:showAsAction="never" />
```

## activity\_pdf(Webview):

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".PdfActivity">
    <WebView
        android:id="@+id/webView"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
</RelativeLayout>
```

## AndroidManifest:

```
<uses-permission</pre>
<uses-permission</pre>
<uses-permission android:name="android.permission.INTERNET" />
<uses-permission</pre>
    android:fullBackupContent="@xml/backup rules"
    android:supportsRtl="true"
        ovider
            android:exported="false"
            android:grantUriPermissions="true">
            <meta-data
        </provider>
        android:exported="true">
            <action android:name="android.intent.action.MAIN" />
            <category
```