Apresentação de um Processo Criativo de Desenvolvimento de uma App Android

Realização de Dinâmica Hands-On para Construção de uma App Android

Dr. Eduardo Manuel de Freitas Jorge, PMP









Eduardo Manuel de Freitas Jorge

Doutor em Difusão do Conhecimento no pela no projeto de pesquisa Mobi (Modelo de Ontologia baseado em Instâncias). É, também, mestre em Ciência da Computação pela UFPB (Universidade Federal da Paraíba) e certificado PMP (Project Management Professional).

Sua atuação principal é como coordenador de projetos de Pesquisa e Desenvolvimento no SENAI/CIMATE na Área de Desenvolvimento de Software.

A sua linha de pesquisa principal é em projetos inovadores nas seguintes áreas: dispositivos móveis com o enfoque em computação sensível ao contexto, BI (Business intelligence) e Big Data.

Por fim, tem 17 anos de experiência acadêmica como professor da UNEB e SENAI/CIMATE nas disciplinas voltadas para os seguintes conteúdos: Mobile, Modelagem Conceitual, Linguagem de Programação Orientada a Objetos, Banco de Dados e Projeto Avançado de Sistemas.

OFICINA A JAVA PARA DISPOSITIVOS MÓVEIS

Apresentação de um Processo Criativo de Desenvolvimento de uma App Android e Realização de Dinâmica Hands-On para Construção de uma App Android.





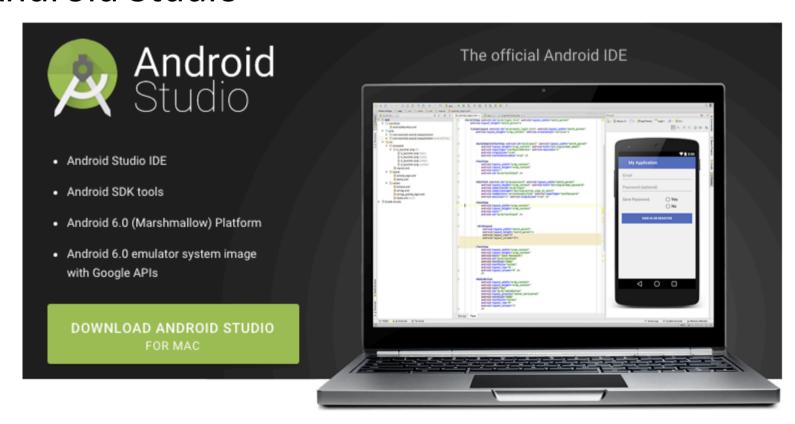
Tecnologia, Ideias e Oportunidades

Realização de Dinâmica Hands-On para Construção de uma App **Android**

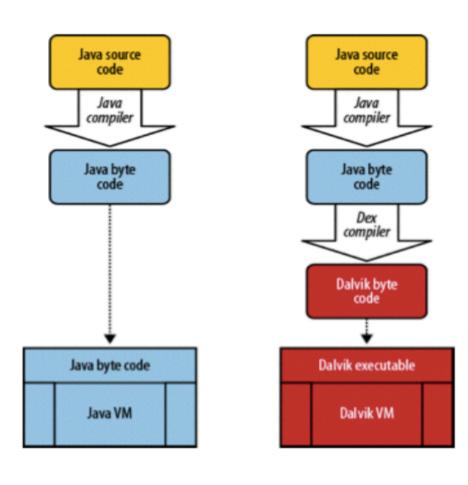
Parte II

Portal para Obter Ambiente de Desenvolvimento

- http://developer.android.com/sdk/index.html
- Android Studio



Processo de Compilação Android



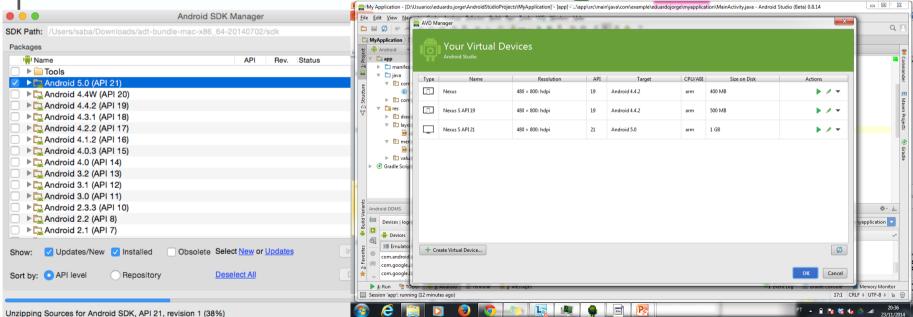
```
▼ S AloMundo

                        src/
 ▶ # src
 ▶ ∰gen [Generated Java Files] (código fonte: .java)
 ▶ ➡ Android 4.4
                        gen/
 ► ➡ Android Private Libraries
                        (código gerado: R.java )
   assets
 ▶ 👺 bin
                        bin/
  ▶ ఊ libs
                        (bytecodes: .dex)

    AndroidManifest.xml

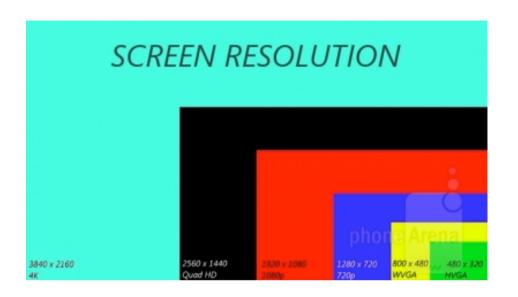
                        libs/
   ic_launcher-web.png
                        (bibliotecas)
   proguard-project.txt
   project.properties
                        res/
                        (recursos: layouts, strigs,
                        icones ...)
                        assets/
                        (outros recursos: arquivos em
                        geral)
```





Importante!





- 4K Ultra HD: 3840 x 2160 = 8294400 (8.29 milhões de pixels)
- Quad HD: 2560 x 1440 = 3686400 (3.69 milhões de pixels, 78% mais que 1080p)
- 1080p Full HD: 1920 x 1080 = 2073600 (2.07 milhões de pixels)
- 720p HD: 1280 x 720 = 921600 (0.92 milhões de pixels)
- WVGA: 800 x 480 = 384000 (0.38 milhões de pixels)
- HVGA: 480 x 320 = 153600 (0.23 milhões de pixels)

Fonte: http://www.tudocelular.com/celulares/noticias/n36400/comparativo-entre-resolucao-de-telas.html

strings.xml

```
AUTO-GENERATED FILE. DO NOT MODIFY.*/
public final class R {
   public static final class attr {
      public static final int activity_horizontal_margin=0x7f040000;
    public static final class dimen {
        public static final int activity_vertical_margin=0x7f040001;
   public static final class layout {
        public static final int activity_main=0x7f030000;
```

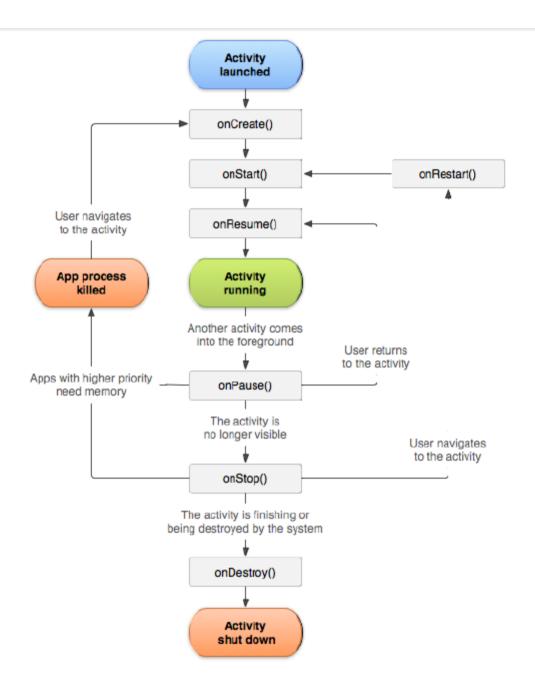
AndroidManifest.xml

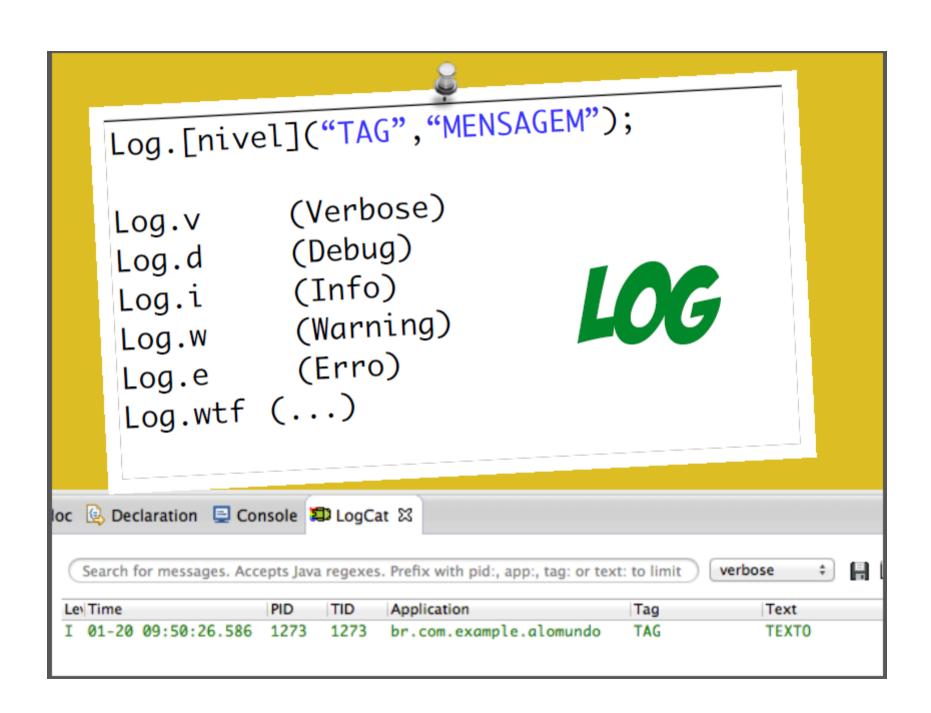
```
<?xml version="1.0" encoding="utf-8"?>
<manifest ...>
    <application ... >
            android:name="br.com.mariojp.olamundo.0laMundoActivity"
        <activity
             android:label="@string/app_name" >
                 <action android:name="android.intent.action.MAIN" />
                 <category android:name="android.intent.category.LAUNCHER" />
             <intent-filter>
              </intent-filter>
          </activity>
      </application>
  </manifest>
```

Primeira App

- Configurando o Emulador;
- Criando um projeto;

```
public class OlaMundoActivity extends Activity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ola_mundo);
    }
}
```



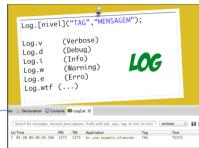


Res/Menu/menu_ola_mundo.xml

```
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    tools:context="com.example.eduardojorge.myapplication.OlaMundoActivity">
        <item android:id="@+id/action_settings" android:title="@string/action_settings"
        android:orderInCategory="100" android:showAsAction="never" />
    </menu>
```

```
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.menu_ola_mundo, menu);
    return true;
}
```

Log



```
@Override
 public boolean onOptionsItemSelected(MenuItem item) {
   // Handle action bar item clicks here. The action bar will
   // automatically handle clicks on the Home/Up button, so long
   // as you specify a parent activity in AndroidManifest.xml.
   int id = item.getItemId();
   //noinspection SimplifiableIfStatement
   if (id == R.id.action_settings) {
     Log.i("TAG", "Settings");
     return true;
   return super.onOptionsItemSelected(item);
```

Res/layout: activity_ola_mundo.xml

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
  xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match parent"
  android:layout height="match parent" android:paddingLeft="@dimen/
activity horizontal margin"
  android:paddingRight="@dimen/activity horizontal margin"
  android:paddingTop="@dimen/activity_vertical_margin"
  android:paddingBottom="@dimen/activity vertical margin"
tools:context="com.example.eduardojorge.myapplication.OlaMundoActivity">
  <TextView android:text="@string/hello_world"
android:layout width="wrap content"
    android:layout height="wrap content" />
</RelativeLayout>
```

Layout no Android

- LinearLayout apresenta um layout linear horizontal ou vertical;
- RelativeLayout apresenta um layout relativo poderoso em que podemos fazer um melhor posicionamento dos elementos;
- GridLayout apresenta um layout em tabela;
- View's (TextView, button, etc)
 - android:layout width para a largura e android:layout height para a altura
 - px em Pixeis, não e' recomendado, pois existem muitos dispositivos de diferentes tamanhos e em pixeis a experiência do usuário pode não ser a mesma.
 - dp em Density Pixeis, e' o que calcula o espaço mediante o tamanho do dispositivo, ou seja se definimos um TextView de 20dp, num dispositivo small ele apresentara um numero de pixeis menor que num dispositivo large.
 - wrap_content Ocupa o espaço mediante o seu conteúdo(Ex: uma ImageView que recebe imagens de diferentes tamanhos e se adapta a cada uma delas).
 - match_parent Ocupa o espaço disponível no screen.

Fonte http://tutsandroid.weebly.com/tutorial-3---desenhando-e-entendendo-layout.html#/

Atividade I

- Crie um novo layout (LinearLayout);
- Coloque um TextView, Edittext e um Button no Layout;
- Vincule na Activity o novo layout;



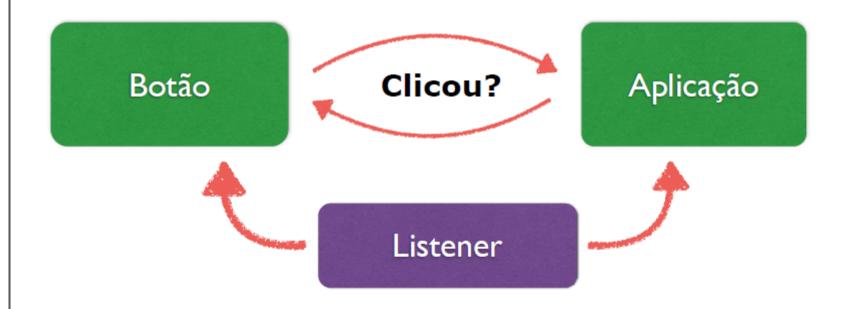
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/</pre>
apk/res/android"
  android:orientation="horizontal"
android:layout width="match parent"
  android:layout height="match parent">
  <TextView
    android:layout width="93dp"
    android:layout height="wrap content"
    android:text="Nome:"
    android:id="@+id/textView2" />
  <EditText
    android:layout width="150dp"
    android:layout height="wrap content"
    android:id="@+id/editText"
    />
  <Button
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Ok"
    android:id="@+id/button2"
    />
</LinearLayout>
```



FINDBYID

```
[Tipo] var = ([Tipo]) findViewById(R.id.[id]);
var.metodo();
```

Ação do Botão



FindViewById / Listener

```
@Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity ola mundo1);
    Button b = (Button) findViewById(R.id.button2);
    b.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        Log.i("TAG", "Botao Clicado");
```

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://</pre>
schemas.android.com/apk/res/android"
  android:orientation="horizontal"
android:layout width="match parent"
 android:layout height="match parent">
  <TextView
    android:layout width="93dp"
    android:layout height="wrap content"
    android:text="Nome:"
    android:id="@+id/textView2" />
  <FditText
    android:layout width="150dp"
    android:layout height="wrap content"
    android:id="@+id/editText"
    />
  <Button
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Ok"
    android:id="@+id/button2"
</LinearLayout>
```

Atividade II

 Colocar no EditText o seu nome quando clicar no botão

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://</pre>
schemas.android.com/apk/res/android"
  android:orientation="horizontal"
android:layout width="match parent"
  android:layout_height="match_parent">
  <TextView
    android:layout width="93dp"
    android:layout height="wrap content"
    android:text="Nome:"
    android:id="@+id/textView2" />
  <FditText
    android:layout width="150dp"
    android:layout height="wrap content"
    android:id="@+id/editText"
    />
  <Button
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Ok"
    android:id="@+id/button2"
</LinearLayout>
```

Resposta: Atividade II

```
public class OlaMundoActivity extends Activity {
  protected EditText editText;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity ola mundo1);
    Button b = (Button) findViewById(R.id.button2);
    this.editText = (EditText) findViewById(R.id.editText);
    b.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        Log.i("TAG", "Botao Clicado");
        editText.setText("Eduardo M F Jorge");
```



TOAST

Toast.makeText(this, "TEXTO", Toast.LENGTH_LONG).show();

Toast.LENGTH_LONG

Toast.LENGTH_SHORT

Toast

```
public class OlaMundoActivity extends Activity {
  protected EditText editText;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity ola mundo1);
    Button b = (Button) findViewById(R.id.button2);
    this.editText = (EditText) findViewById(R.id.editText);
    Toast.makeText(this, "TEXTO", Toast.LENGTH_LONG).show();
    b.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        Log.i("TAG", "Botao Clicado");
        editText.setText("Eduardo M F Jorge");
    });
```

Atividade III

 Para a activity anterior lance um tost no evento do botão.

Resposta Atividade III

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity ola mundo1);
    Button b = (Button) findViewById(R.id.button2);
    this.editText = (EditText) findViewById(R.id.editText);
    b.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        Log.i("TAG", "Botao Clicado");
        editText.setText("Eduardo M F Jorge");
        Toast.makeText(OlaMundoActivity.this, "TEXTO", Toast.LENGTH_LONG).show();
    });
```

- Crie um novo projeto Faculdade;
- Crie um Layout: LinearLayout com um ListView;

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">
    <ListView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/listView"/>
        </LinearLayout>
```

RUN AS.. ANDROID APPLICATION

```
@Override
 protected void onCreate(Bundle savedInstanceState) {
   super.onCreate(savedInstanceState);
   setContentView(R.layout.lista disciplinas layout);
   String[] disciplinas = {"Redes", "Algoritmos", "Programacao"};
   int layout = android.R.layout.simple list item 1;
        ArrayAdapter<String> adapter =
        new ArrayAdapter<String>(this,layout, disciplinas);
        ListView lista = (ListView) findViewById(R.id.listView);
        lista.setAdapter(adapter);
```



Criando um evento de click no item da lista

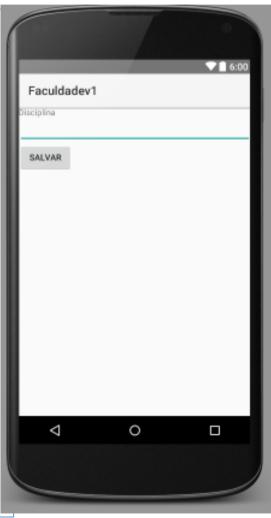
 Criando um evento de Log click no item da lista e obtendo o seu descritivo;

```
public class ListaDisciplinasActivity extends Activity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
lista.setOnItemLongClickListener(new AdapterView.OnItemLongClickListener() {
      public boolean onItemLongClick(AdapterView<?> adapter,
                       View view, int posicao, long id) {
        Toast.makeText(ListaDisciplinasActivity.this,
             adapter.getItemAtPosition(posicao).toString(),
             Toast.LENGTH SHORT).show();
        return false;
    });
```

- Crie uma nova Activity
 - DisciplinaActivity
 - disciplina_layout.xml

Projeto Faculdade (Formulário disciplina_layout.xml)

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
  android:orientation="vertical" android:layout width="match parent"
 android:layout height="match parent">
<TextView
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Disciplina" />
  <EditText android:id="@+id/disciplina"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:ems="10" >
    <requestFocus />
  </EditText>
  <Button
    android:id="@+id/botao"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Salvar" />
</LinearLayout>
```



Crie um menu para adicionar novas disciplinas

```
menu_lista_disciplinas .xml
```

```
<menu xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools" tools:context=".ListaDisciplinasActivity">
   <item android:id="@+id/action_new" android:title="@string/action_new"
        android:orderInCategory="100" android:showAsAction="never" />
        <item android:id="@+id/action_settings" android:title="@string/action_settings"
        android:orderInCategory="100" android:showAsAction="never" />
   </menu>
```

string .xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">Faculdade</string>
        <string name="hello_world">Hello world!</string>
        <string name="action_settings">Settings</string>
        <string name="action_new">Nova Disciplina</string>
        <string name="title_activity_disciplina">DisciplinaActivity</string>
</resources>
```

Projeto Faculdade (Chamando a Atctivity de Disciplina)

```
@Override
 public boolean onOptionsItemSelected(MenuItem item) {
   // Handle action bar item clicks here. The action bar will
   // automatically handle clicks on the Home/Up button, so long
   // as you specify a parent activity in AndroidManifest.xml.
   int id = item.getItemId();
   //noinspection SimplifiableIfStatement
   if (id == R.id.action settings) {
      return true;
   if (id == R.id.action new) {
      Intent intent = new Intent(this, DisciplinaActivity.class);
      startActivity(intent);
      return true;
   return super.onOptionsItemSelected(item);
```

Projeto Faculdade: Voltando para a Activity Principal

```
public class DisciplinaActivity extends Activity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.disciplina_layout);
        Button button = (Button) findViewById(R.id.botao);
        button.setOnClickListener(new View.OnClickListener() {
           @Override
           public void onClick(View v) {
                finish();
           }
        });
    }
}
```

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://</pre>
schemas.android.com/apk/res/android"
  android:orientation="vertical"
android:layout width="match parent"
  android:layout_height="match_parent">
<TextView
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Disciplina" />
  <EditText android:id="@+id/disciplina"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:ems="10" >
    <requestFocus />
  </EditText>
  <Button
    android:id="@+id/botao"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Salvar" />
</LinearLayout>
```

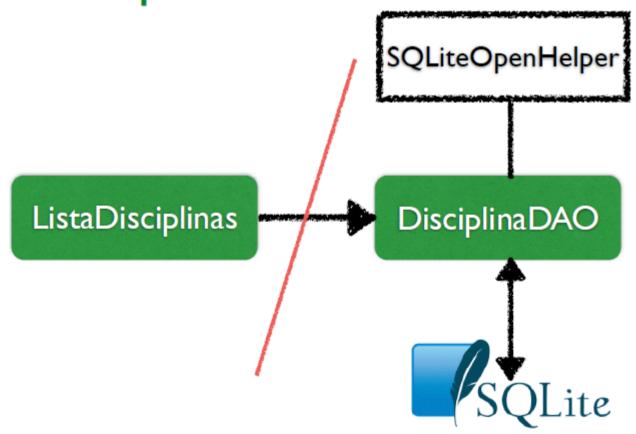
Resultado da Chamada da DisciplinaActivity

	▼ 🔏 🗓 3:09
Disciplina	:
Disciplina	
SALVAR	



MONTANDO A BASE DE DADOS PARA INCLUIR, ALTERAR E EXCLUIR DISCIPLINAS

Vamos pensar um pouco...



DisciplinaValue

- implements java.io.Serializable
- private Long Id;
- private String disciplina
- Get/Set
- public String toString()

DisciplinaDAO: Criação DDL

```
public class DisciplinaDAO extends SQLiteOpenHelper {
  private static final String DATABASE = "BancoDisciplinas";
  private static final int VERSAO = 1;
  public DisciplinaDAO(Context context) {
    super(context, DATABASE, null, VERSAO);
  public void onCreate(SQLiteDatabase db) {
    String ddl ="CREATE TABLE Disciplina (id INTEGER PRIMARY KEY,"
        + " disciplina TEXT UNIQUE NOT NULL);";
    db.execSQL(ddl);
  @Override
  public void onUpgrade(SQLiteDatabase db, int velha, int nova) {
    String ddl ="DROP TABLE IF EXISTS Disciplina";
    db.execSQL(ddl);
    onCreate(db);
```

DisciplinaDAO: Criação DML

```
public void salvar(DisciplinaValue disciplinaValue) {
    ContentValues values = new ContentValues();
    values.put("disciplina", disciplinaValue.getDisciplina());
    getWritableDatabase().insert("Disciplina", null, values );
  public List getLista(){
    List<DisciplinaValue> disciplinas = new LinkedList<DisciplinaValue>();
    String query = "SELECT * FROM " + "Disciplina order by disciplina";
    SQLiteDatabase db = this.getWritableDatabase();
    Cursor cursor = db.rawQuery(query, null);
    Disciplina Value disciplina = null;
    if (cursor.moveToFirst()) {
      do {
         disciplina = new DisciplinaValue();
         disciplina.setId(Long.parseLong(cursor.getString(0)));
         disciplina.setDisciplina(cursor.getString(1));
         disciplinas.add(disciplina);
      } while (cursor.moveToNext());
    return disciplinas;
```

Projeto Faculdade: ListaDisciplinasActivity

```
public class ListaDisciplinasActivity extends Activity {
   protected ListView lista;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
      super.onCreate(savedInstanceState);
      setContentView(R.layout.lista_disciplinas_layout);

   int layout = android.R.layout.simple_list_item_1;
   DisciplinaDAO dao = new DisciplinaDAO(this);
   ArrayList<DisciplinaValue> disciplinas= (ArrayList<DisciplinaValue>) new ArrayList(dao.getLista());
   dao.close();
   ArrayAdapter<DisciplinaValue> adapter =
      new ArrayAdapter<DisciplinaValue>(this,layout, disciplinas);
```

Projeto Faculdade: ListaDisciplinasActivity

```
protected void onResume() {
    super.onResume();
    DisciplinaDAO dao = new DisciplinaDAO(this);
    ArrayList<DisciplinaValue> disciplinas= new ArrayList(dao.getLista());
    dao.close();
    int layout = android.R.layout.simple_list_item_1;

ArrayAdapter<DisciplinaValue> adapter =
        new ArrayAdapter<DisciplinaValue>(this,layout, disciplinas);

lista.setAdapter(adapter);
}
```

Projeto Faculdade (funções de Apaga e Editar)

menu_lista_disciplinas .xml

```
<menu xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools" tools:context=".ListaDisciplinasActivity">
   <item android:id="@+id/action_new" android:title="@string/action_new"
        android:orderInCategory="100" android:showAsAction="never" />
        <item android:id="@+id/action_update" android:title="@string/action_update"
        android:orderInCategory="100" android:showAsAction="never" />
        <item android:id="@+id/action_delete" android:title="@string/action_delete"
        android:orderInCategory="100" android:showAsAction="never" />
        </menu>
```

string .xml

DisciplinaDAO: Criação do Método para apagar a disciplina

```
public void deletar(DisciplinaValue disciplinaValue) {
    String[] args = { disciplinaValue.getId().toString() };
    getWritableDatabase().delete("Disciplina", "id=?", args);
}
```

DisciplinaDAO: Criação do Método para alterar a disciplina

CRIANDO UM MENU FLUTUANTE E UMA LISTA COM DADOS DO BANCO

```
public class ListaDisciplinasActivity extends Activity {
   protected ListView lista;
   protected DisciplinaValue disciplinaValue;
   protected ArrayAdapter<DisciplinaValue> adapter;
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.lista disciplinas layout);
    int layout = android.R.layout.simple list item 1;
    DisciplinaDAO dao = new DisciplinaDAO(this);
    ArrayList<DisciplinaValue> disciplinas= (ArrayList<DisciplinaValue>) new
ArrayList(dao.getLista());
    dao.close();
     adapter =
        new ArrayAdapter<DisciplinaValue>(this,layout, disciplinas);
        lista = (ListView) findViewById(R.id.listView);
        lista.setAdapter(adapter);
   lista.setOnCreateContextMenuListener(this);
    registerForContextMenu(lista);
```

Criando um Disciplina de Teste

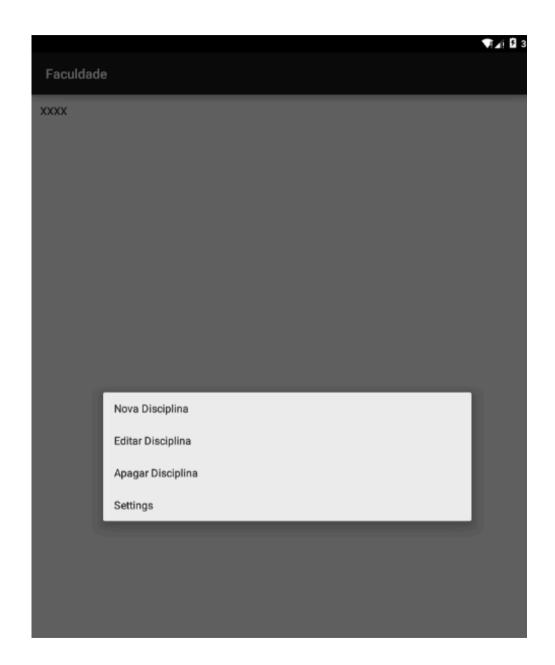
```
DisciplinaDAO dao = new DisciplinaDAO(this);

DisciplinaValue disciplinaValue = new DisciplinaValue();
disciplinaValue.setId((new Long("1")).longValue());
disciplinaValue.setDisciplina("XXXX");
dao.salvar(disciplinaValue);
```

```
public void onCreateContextMenu(ContextMenu menu, View
v,ContextMenu.ContextMenuInfo menuInfo) {
    super.onCreateContextMenu(menu, v, menuInfo);
    MenuInflater inflater = getMenuInflater();
    inflater.inflate(R.menu.menu_lista_disciplinas, menu);
}
```

Resultado do Menu de Contexto





```
protected void onResume() {
    super.onResume();
    DisciplinaDAO dao = new DisciplinaDAO(this);
    ArrayList<DisciplinaValue> disciplinas= new ArrayList(dao.getLista());
    dao.close();
    int layout = android.R.layout.simple_list_item_1;

adapter =
        new ArrayAdapter<DisciplinaValue>(this,layout, disciplinas);

lista.setAdapter(adapter);
}
```

```
@Override
public boolean onCreateOptionsMenu(Menu menu) {

    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.menu_disciplina, menu);
    return true;
}
```

menu_disciplina.xml

```
public boolean onContextItemSelected(final MenuItem item) {
      disciplinaValue= (DisciplinaValue)
this.adapter.getItem(((AdapterView.AdapterContextMenuInfo) item.getMenuInfo()).position);
      int id = item.getItemId();
      if (id == R.id.action new) {
         Intent intent = new Intent(this, DisciplinaActivity.class);
         startActivity(intent);
         return true;
       if (id == R.id.action update) {
         Intent intent = new Intent(this, DisciplinaActivity.class);
         intent.putExtra("disciplinaSelecionada", disciplinaValue);
         startActivity(intent);
         return true;
       if (id == R.id.action delete) {
         DisciplinaDAO dao = new DisciplinaDAO(ListaDisciplinasActivity.this);
         dao.deletar(disciplinaValue);
         dao.close();
         this.onResume();
         return true;
       return true;
```

```
@Override
  public boolean onOptionsItemSelected(MenuItem item) {
    int id = item.getItemId();
    if (id == R.id.action_new) {
        Intent intent = new Intent(this, DisciplinaActivity.class);
        startActivity(intent);
        return true;
    }
    return super.onOptionsItemSelected(item);
}
```

```
@Override
protected void onActivityResult(int codigo,int reultado,Intent it){
    this.adapter.notifyDataSetChanged();
}
```

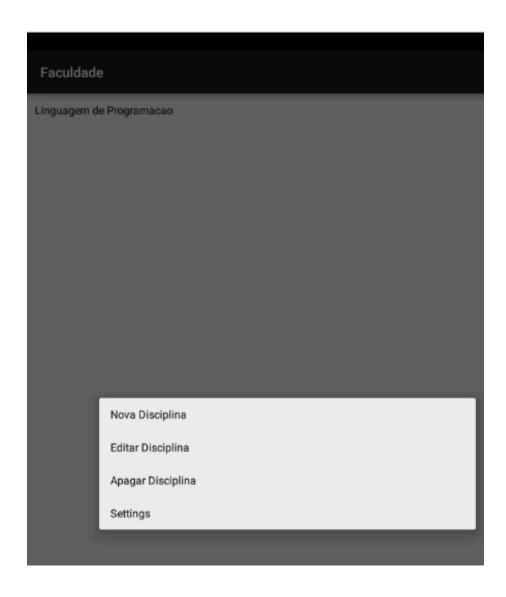
DisciplinaActivity

```
public class DisciplinaActivity extends Activity {
 protected EditText editTextDisciplin;
 protected DisciplinaValue disciplinaSelecionada;
 @Override
 protected void onCreate(Bundle savedInstanceState) {
   super.onCreate(savedInstanceState);
   setContentView(R.layout.disciplina layout);
   Button button = (Button) findViewById(R.id.botao);
   this.editTextDisciplin = (EditText) findViewById(R.id.disciplina);
   this.editTextDisciplin.setText("teste1");
   Intent intent = getIntent();
   disciplinaSelecionada = (DisciplinaValue)
                                               intent.getSerializableExtra("disciplinaSelecionada");
   if(disciplinaSelecionada!=null){
      button.setText("Alterar");
      editTextDisciplin.setText(disciplinaSelecionada.getDisciplina());
```

DisciplinaActivity (Salvar/Alterar)

```
button.setOnClickListener(new View.OnClickListener() {
  @Override
  public void onClick(View v) {
    DisciplinaDAO dao = new DisciplinaDAO(DisciplinaActivity.this);
    if (disciplinaSelecionada==null) {
      DisciplinaValue disciplinaValue = new DisciplinaValue();
      disciplinaValue.setDisciplina(editTextDisciplin.getText().toString());
      dao.salvar(disciplinaValue);
    }else{
      disciplinaSelecionada.setDisciplina(editTextDisciplin.getText().toString());
      dao.alterar(disciplinaSelecionada);
    finish();
```

Projeto Faculdade



```
public class SplashScreen extends Activity {
  // Splash screen timer
  private static int SPLASH TIME OUT = 3000;
  private TextView textView=null;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity splash screen);
    //ActionBar actionBar = this.getActionBar();
    //actionBar.hide();
    textView = (TextView) this.findViewById(R.id.textView);
    textView.setText("Aguarde Carregando......");
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
new Handler().postDelayed(new Runnable() {
  @Override
  public void run() {
      new JSONParse().execute();
}, SPLASH_TIME_OUT);
```

```
public class JSONParse extends AsyncTask<String, String, JSONObject> {
  private ProgressDialog pDialog:
  @Override
  protected void onPreExecute() {
    super.onPreExecute();
    pDialog= new ProgressDialog(SplashScreen.this);
    pDialog.setMessage("Obtendo Dados");
    pDialog.setIndeterminate(false);
    pDialog.setCancelable(true);
    pDialog.show();
```

```
public class JSONParse extends AsyncTask<String, String, JSONObject> {
@Override
protected JSONObject doInBackground(String... args) {
  JSONObject json = null;
  DisciplinaDAO disciplinaDAO = new DisciplinaDAO(SplashScreen.this);
  disciplinaDAO.dropAll();
  JSONArray link = null;
    ison= Json();
    int count=0;
    try {
     // Getting JSON Array
       link = json.getJSONArray("Lista");
         for (int i = 0; i < link.length(); i++) {
           JSONObject c = link.getJSONObject(i);
           DisciplinaValue disciplinaValue = new DisciplinaValue();
           disciplinaValue.setDisciplina(c.getString("disciplina"));
           disciplinaDAO.salvar(disciplinaValue);
          disciplinaDAO.close();
       }catch(Exception e){
         e.printStackTrace();
  return json;
```

```
public class JSONParse extends AsyncTask<String, String, JSONObject> {
@Override
protected void onPostExecute(JSONObject json) {
  try {
    pDialog.dismiss();
    Intent i = new Intent(SplashScreen.this, FaculdadeActivity.class);
    startActivity(i);
    finish();
    // MainActivity.this.onResume();
  } catch (Exception e) {
```

```
public static JSONObject Json(){
  JSONObject json = null;
  String resp=null;
  try {
// Create connection to send GCM Message request.
    URL url1 = new URL("http://www.ictios.com.br/emjorge/appfaculdade/"+ "index1.php");
    HttpURLConnection conn = (HttpURLConnection) url1.openConnection();
    conn.setReguestProperty("Content-Type", "application/json");
    conn.setRequestMethod("POST");
    conn.setDoOutput(true);
    // Read GCM response.
    InputStream inputStream = conn.getInputStream();
    resp = IOUtils.toString(inputStream);
    ison = new JSONObject(resp);
    return ison;
  }catch (Exception e){
    e.printStackTrace();
  return null;
```

emjorge1974@gmail.com

https://github.com/eduardojorge