PHÁT TRIỂN ỨNG DỤNG DI ĐỘNG (Tài liệu hướng dẫn tuần 08)

OKHttp

Add permission (AndroidManifest.xml)

```xml
<uses-permission android:name="android.permission.INTERNET" />
```

Add dependencies (build.gradle)

```gradle
implementation 'com.squareup.okhttp3:okhttp:4.9.0'
```

Call API

Http GET Request

```java
OkHttpClient client = new OkHttpClient();
Request request = new Request.Builder().url("http://10.0.2.2/api/get-students.php").build();
client.newCall(request).enqueue(new Callback() {
    @Override
    public void onFailure(@NotNull Call call, @NotNull IOException e) {
        Log.d("onFailure", e.getMessage());
    }

    @Override
    public void onResponse(Call call, final Response response)
            throws IOException {
        try {
            String responseData = response.body().string();
            JSONObject json = new JSONObject(responseData);
            runOnUiThread(new Runnable() {
                @Override
                public void run() {
                    ...
                }
            });
        } catch (JSONException e) {
            Log.d("onResponse", e.getMessage());
        }
    }
});
```

Http POST Request

```java
OkHttpClient client = new OkHttpClient();
String createStudentURL = "http://10.0.2.2/api/add-student.php";
RequestBody formBody = new FormBody.Builder()
        .add("name", name)
        .add("email", email)
        .add("phone", phone)
        .build();

Request request = new Request.Builder()
        .url(createStudentURL)
        .post(formBody)
        .build();
client.newCall(request).enqueue(new Callback() {
    @Override
    public void onFailure(@NotNull Call call, @NotNull IOException e) {
        Log.d("onFailure", e.getMessage());
    }

    @Override
    public void onResponse(Call call, final Response response)
            throws IOException {
        try {
            String responseData = response.body().string();
            JSONObject json = new JSONObject(responseData);
            runOnUiThread(new Runnable() {
                @Override
                public void run() {
                    ...
                }
            });
        } catch (JSONException e) {
            Log.d("onResponse", e.getMessage());
        }
    }
});
```