TCP与HTTP框架使用说明

TCP使用：支持传输Object对象

新建服务端：

端口号：1080

return 服务器返回给客户端的object

Server bioServer = ServerFactory.getServer(1080, new BiFunction<Socket, byte[], Object>() {

@Override

public Object apply(Socket socket, byte[] bytes) {

return null;

}

});

bioServer.start();

新建客户端：

IP地址：192.168.31.137

端口号：1080

Client client = ClientFactory.getClient("192.168.31.137", 1080, new TcpConnectCallback() {

@Override

public void connected() {

}

@Override

public void disConnected() {

}

});

发送数据:

byte[] result = client.send(obiect);

断开链接：

try {

if (client != null && client.getSocket() != null) {

client.getSocket().close();

client.close();

}

} catch (IOException e) {

e.printStackTrace();

}

HTTP使用：支持get、post、put、delete请求方式，支持同步和异步的方式构建请求

同步请求：

Request request = new Request.Builder()

.url("https://www.wanandroid.com/article/list/0/json")

.build();

Response response = client.newCall(request).execute();

if (response != null && response.code() == 200) {

data.setText(response.body().string());

}

异步请求：

Request request = new Request.Builder()

.url("https://www.wanandroid.com/banner/json")

.build();

client.newCall(request).enqueue(new Callback() {

@Override

public void onResponse(Response response) {

if (response != null && response.code() == 200) {

data.setText(response.body().string());

}

}

@Override

public void onFail(Request request, IOException e) {

data.setText(e.getMessage());

}

});

GET方式：

Request request = new Request.Builder()

.url("https://www.wanandroid.com/banner/json")

.get()

.build();

Response response = client.newCall(request).execute();

if (response != null && response.code() == 200) {

data.setText(response.body().string());

}

POST方式：

FormBody body = new FormBody.Builder()

.add("username", "张三")

.add("pwd", "abc123")

.build();

Request request = new Request.Builder()

.url("http://192.168.31.34:8080/API/upkeep")

.post(body)

.build();

Response response = client.newCall(request).execute();

if (response != null && response.code() == 200) {

data.setText(response.body().string());

}

参数+文件上传：

String path = Environment.getExternalStorageDirectory().getAbsolutePath();

File file = new File(path + "/tempCropped.jpeg");

File file1 = new File(path + "/head\_image.png");

File file2 = new File(path + "/shumei.txt");

File file3 = new File(path + "/IMG\_0358.MP4");

MultipartBody body = new MultipartBody.Builder()

.addForm("username", "123")

.addPart("image/jpeg", "temp.jpg", file)

.addPart("image/png", "head\_image.png", file1)

.addPart("text/plain", "1.txt", file2)

.addPart("video/mpeg4", "2.mp4", file3)

.build();

Request request = new Request.Builder()

.url("http://192.168.31.34:8080/API/upload")

.post(body)

.build();

Response response = client.newCall(request).execute();

if (response != null && response.code() == 200) {

data.setText(response.body().string());

}