Hints

of

RESTful web APIs & Multithreading

Bytedance Android Developer: Yuzhong Jiang

ByteDance字节跳动

Demo

- ❏ [Solution debug Apk](#)

Android Developer Site

❏　change host: developer.android.com -> developer.android.google.cn

❏　Origin AsyncTask

❏　Available AsyncTask

Classwork #1 RandomCatPics hints

❏ Use Retrofit

❏ Dependencies (in hint/C1/build.gradle)

```
implementation 'com.google.code.gson:gson:2.8.5'
implementation 'com.squareup.retrofit2:retrofit:2.5.0'
implementation 'com.squareup.retrofit2:converter-gson:2.5.0'
implementation 'com.github.bumptech.glide:glide:4.8.0'
implementation 'com.android.support:recyclerview-v7:28.0.0'
implementation 'com.squareup.okhttp3:logging-interceptor:3.11.0'
```

❏ Load image url into ImageView

```
Glide.with(iv.getContext()).load(url).into(iv);
```

Classwork #2 MiniDouyinApi hints

❏ Use Retrofit, too, to upload files like:

```
@Multipart
@POST("/some/path")
Call<PostVideoResponse> createVideo(
        @Query("param_name1") String param1,
        @Query("param_name2") String param2,
        @Part MultipartBody.Part file1, @Part MultipartBody.Part file2);
```

ByteDance字节跳动

Classwork #2 MiniDouyinApi hints

❑ Pick an image

```java
public class Solution2C2Activity extends AppCompatActivity {
    private static final int PICK_IMAGE = 1;
    public void chooseImage() {
        Intent intent = new Intent();
        intent.setType("image/*");
        intent.setAction(Intent.ACTION_GET_CONTENT);
        startActivityForResult(Intent.createChooser(intent, "Select Picture"),
                PICK_IMAGE);
    }
     ...
}
```
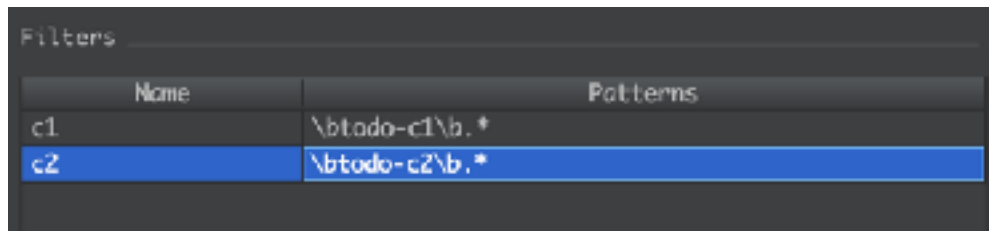
Classwork #2 MiniDouyinApi hints

❏ Pick an image

```java
public class Solution2C2Activity extends AppCompatActivity {
    ...
    protected void onActivityResult(int requestCode, int resultCode, final Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (resultCode == RESULT_OK && null != data) {
            if (requestCode == PICK_IMAGE) {
                mSelectedImage = data.getData();
                MultipartBody.Part coverImage = getMultipartFromUri("cover_image", mSelectedImage);
                // do sth.
            }
        }
    }
}
```
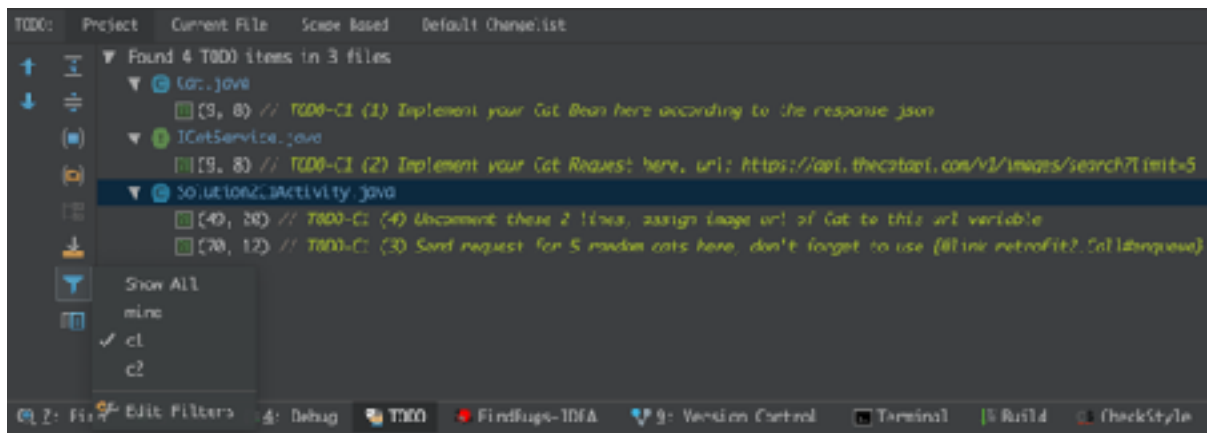
Classwork #1 and #2: Fill in the blanks

❏ Edit C1 and C2 filters

❏ Follow the steps in the TODO bottom tab

THANKS

.

Email: jiangyuzhong@bytedance.com

WeChat: yuzhong-kelv