

# Hints

of

**RESTful web APIs & Multithreading**

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# 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);
```

## Classwork #2 MiniDouyinApi hints

❏ Pick an image

```
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

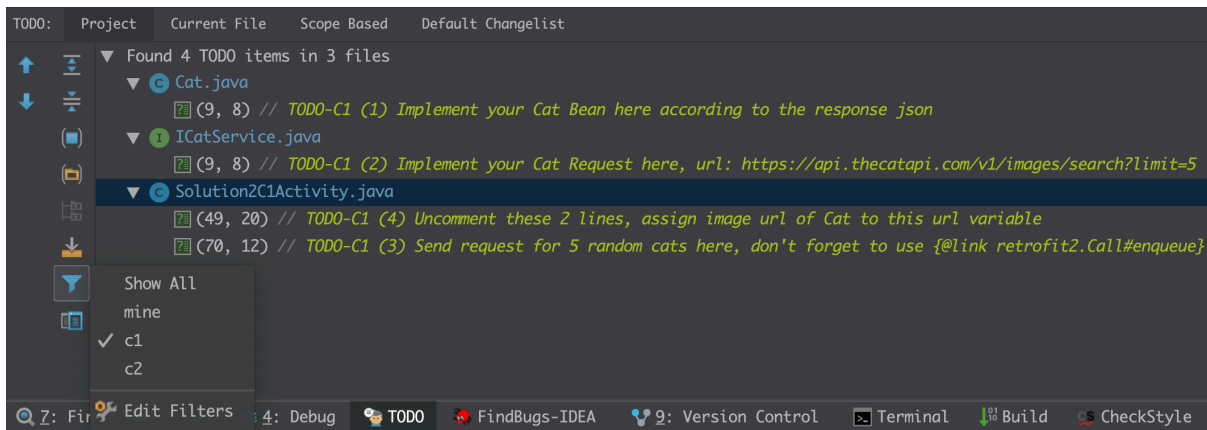
```
public class Solution2C2Activity extends AppCompatActivity {  
    ...  
    protected void onActivityResult(int requestCode, int resultCode, final Intent data) {  
        super.onActivityResult(requestCode, resultCode, data);  
        if (resultCode == RESULT_OK && null != data) {  
            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

Filters	
Name	Patterns
c1	\btodo-c1\b.*
c2	\btodo-c2\b.*

- ❑ Follow the steps in the TODO bottom tab







# THANKS



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