

A large red square with a white border, centered on a white background. Inside the square, the text is written in white.

Android Advance 2 Lesson 2 Display Image Libraries



Outline

I. Introduction to Load Image libraries

A decorative border resembling a scroll, with a black outline and grey circular accents at the corners and ends.

I. Introduction to Load Image libraries



1. Glide

GRADLE

```
dependencies {  
    compile 'com.github.bumptech.glide:glide:3.7.0'  
    compile 'com.android.support:support-v4:19.1.0'  
}
```

Glide

```
.with(myFragment)  
.load(url)  
.centerCrop()  
.placeholder(R.drawable.loading_spinner)  
.crossFade()  
.into(myImageView);
```



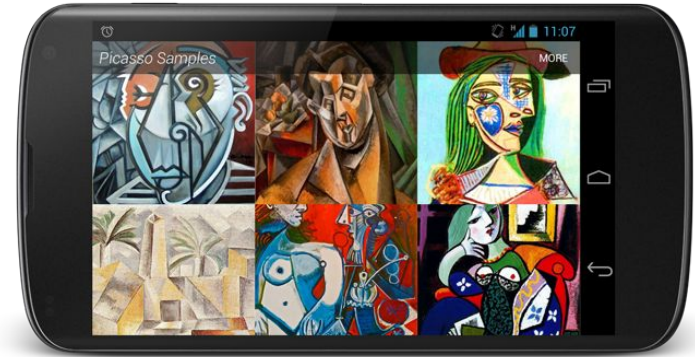


2. Picasso

GRADLE

```
dependencies {  
    compile 'com.squareup.picasso:picasso:2.5.2'  
}
```

```
Picasso.with(context)  
    .load(url)  
    .placeholder(R.drawable.user_placeholder)  
    .error(R.drawable.user_placeholder_error)  
    .into(imageView);
```





3. Image Loader

GRADLE

```
dependencies {  
    compile 'com.github.bumptech.glide:glide:3.7.0'  
    compile 'com.android.support:support-v4:19.1.0'  
}
```

```
ImageLoader imageLoader = ImageLoader.getInstance();
```

* Simple

```
imageLoader.displayImage(imageUri, imageView);
```

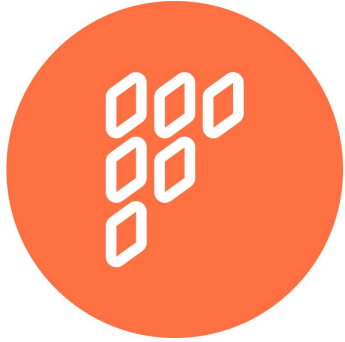
```
ImageLoader imageLoader = ImageLoader.getInstance();
```

* Bipmap

```
imageLoader.loadImage(imageUri, new SimpleImageLoadingListener() {  
    @Override  
    public void onLoadingComplete(String imageUri, View view, Bitmap  
loadedImage) {  
        // Do whatever you want with Bitmap  
    }  
});
```



4. Fresco



Fresco

GRADLE

```
dependencies {  
    compile 'com.facebook.fresco:fresco:1.2.0'  
}
```

Activity

```
Fresco.initialize(context);  
  
Uri imageUri = Uri.parse("https://i.imgur.com/tGbaZCY.jpg");  
SimpleDraweeView draweeView = (SimpleDraweeView)  
    findViewById(R.id.sdvImage);  
draweeView.setImageURI(imageUri);
```

layout

```
<com.facebook.drawee.view.SimpleDraweeView  
    android:id="@+id/sdvImage"  
    android:layout_width="130dp"  
    android:layout_height="130dp"  
    fresco:placeholderImage="@drawable/myPlaceholderImage" />
```



5. Compare

	Picasso	UILoader	Glide	Fresco
Creator	Square Inc	Sergey Tarasevich	Bumptech	Facebook
Maturity(Oldest)	★★★★★	★★★★★	★★★★☆	★★★★☆
Volley and OKHTTP	✓	✓	✓	✓
Used Personally	✓	✓	✓	✗
Customizability	★★★★☆	★★★★☆	★★★★☆	★★★★☆
Network Image Use	★★★★★	★★★★☆	★★★★☆	★★★★☆
GIF Support	✗	✗	✓	!
Image cropping	★★★★☆	★★★★☆	★★★★☆	★★★★★
Ease of use	★★★★★	★★★★☆	★★★★★	★★★★☆
Speed	★★★★☆	★★★★☆	★★★★☆	★★★★☆
Documentation	★★★★☆	★★★★☆	★★★★☆	★★★★★
Disk + Mem Cache	✓	✓	✓	✓
Personal Rating	★★★★★	★★★★☆	★★★★☆	★★★★☆
USP	Fast,most popular	Most mature	= Picasso	Ashmem, By Facebook



6. Sample

<https://goo.gl/oZPZye>



Q&A



Exercise

- Continue implement project search users on github apply MVP: Implement detail screen (open when click item in list search result) display avatar & name of user.