

# facebook / fresco

Android image library



# Co je to fresco?

- Android image library
- Efficient work with memory
- Malá náročnost na CPU
- Support from Android 2.3
- JPEG Streaming - low-resolution image previews
- Animations - support for GIF and WebPs
- Used in React Native, Facebook, Messenger, Wikipedia a další..
- Small part in C++, mostly Java

# Other advantages

- Placeholders
- Image scaling
- Showing progress bar
- RAM and disk cache
- API for custom filters (or possibility to use other libraries such as wasabeef/fresco-processors)

# Information about development

-  Watch ▾ 796
  -  Star 8,486
  -  Fork 2,456
- 6 main developers (5 from facebook)
  - Found in March 2015

# Development process

1. Pull request reviews by fb developer on github
2. Pull request submitted to internal fb repository. Extensive automatic tests.
3. Merged into master branch and export back to github

# Current API

Necessary to perform url null test, otherwise exception is thrown.

```
String url = "https://www.gstatic.com/webp/gallery/2.sm.webp";  
if(url != null){  
    mStaticWebpView.setImageURI(Uri.parse(url));  
}
```

# My contribution

New method `SimpleDraweeView.setImageURI(String)`, which performs null test and prevents exception.

```
String url = "https://www.gstatic.com/webp/gallery/2.sm.webp";  
mStaticWebpView.setImageURI(url);
```

# My contribution

```
/**
 * Displays an image given by the uri string.
 *
 * @param uriString uri string of the image
 * @param callerContext caller context
 */
public void setImageURI(@Nullable String uriString, @Nullable Object
callerContext) {
    Uri uri = (uriString != null) ? Uri.parse(uriString) : null;
    setImageURI(uri, callerContext);
}
```



# Thank you

<https://github.com/facebook/fresco>