

Mobile Application Developer Assignment

GIPHY Viewer

V2.0

Description

In this assignment, you are required to build a mobile application (GIPHY Viewer) base on hybrid development framework (e.g. React Native/ Ionic) / Android native (e.g. Kotlin) OR iOS native (e.g. Swift) that implements Giphy API.

- The GIPHY API: <https://github.com/Giphy/GiphyAPI>
- Quick start guide: <https://developers.giphy.com/docs/api#quick-start-guide>

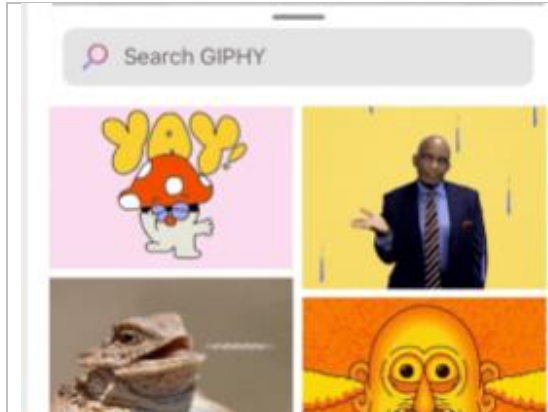
Since we are not required to build a very sophisticated application, the followings are basic requirements for this assignment:

The mobile application consists of 2 tab pages:

- Search page
 1. A search text bar that allow user to search gifs by keywords
 2. A scrollable view that show the gifs
 3. User able to add the gif ID into favorite list
- My Favorite page
 1. Storage for the saved gif ID
 2. A scrollable view that shows the saved gifs
 3. User able to remove the gif ID from favorite list
- Bonus
 1. Pagination – scroll to load more gifs
 2. User can share the gif to other messenger etc
 3. UI/UX design

We are expecting the followings:

Workable solution



- This is the sample for the search page
- You could just provide an video clip to demonstrate the application flow

**image quoted from*
<https://developers.giphy.com/docs/sdk/>

Document

A word document that may present to your customer or end user, it must contain the following sections:

Introduction

Introduce the application itself, its function, and libraries used.

Application Design

A component design graph is required for this section, also the data flow for read and write operation.

Approach

The approach you took, the libraries/ services you compared and why choose these libraries/ services by the end. What's the advantages compared one or the other. What's the limitation for this service? What's the trade off and why made such decision?

Business Outcome

Potentially the business outcome and usability for this application.

Go Live

What should be done before your solution go to production? Any additional features or function that could bring a better user experience in your mind?

Source Code

Attach the source code at the end.

Evaluation

Your assignment will be rated based on the following criteria:

Technical Correctness 60%

Architecture, design pattern	20%
Quality of code/script, code maintainability	20%
Unit test coverage above 85%	20%

Unrestricted

Document Write Up 25%

Information completeness and correctness

Document Communication 15%

Properly explain the document and answer necessary question.

(Bonus) CI/CD Pipeline 10%

(Bonus) UI/UX design 10%

Resources

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