CAB432 – Assignment



MUSIC APP

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# Introduction

## Mashup Purpose and Description

The purpose of this app is to give music enthusias recommended music of the day. This app also give the detailed information regarding the recommended music, the detail the app gives including: music title, artist name, preview music and the lyric of the music in 2 different languages.

## Service Used

This is the list of service that has been used in this app.

### Spotify API

Get user Authorization and random recommended music.

* Authorization Endpoint: https://accounts.spotify.com/authorize
* Recommended Music Endpoint: <https://api.spotify.com/v1/recommendations>
* Authorization Docs: <https://developer.spotify.com/documentation/general/guides/authorization-guide/#authorization-flows>
* Recommended Music Docs:

<https://developer.spotify.com/documentation/web-api/reference/browse/get-recommendations/>

### Lyric.ovh API

Get the lyric of the recommended music.

* Lyric Endpoint: <https://api.lyrics.ovh/v1>
* Docs: <https://lyricsovh.docs.apiary.io/>

### Google Translate API

Translate the music lyric into user choise of language.

* Google Translate Endpoint: <https://translation.googleapis.com/language/translate/v2>
* Docs: https://codelabs.developers.google.com/codelabs/cloud-translation-intro/index.html#0

## Mashup Use Case and Service

### Get Recommended Music of The Day

|  |  |
| --- | --- |
| As an | Music Enthusiast |
| I want | To get some good music recommendation |
| So that | I can have a good music to listen |

### Get Music Detailed Information

|  |  |
| --- | --- |
| As an | Music Enthusiast |
| I want | To get Music detailed information |
| So that | I can know the artist/singer of the music |

### Get Music Lyric

|  |  |
| --- | --- |
| As an | Music Enthusiast |
| I want | To get Music lyric |
| So that | I can sing along with the music |

### Get Music Lyric Translation

|  |  |
| --- | --- |
| As an | Music Enthusiast |
| I want | To get Music lyric translation of my languages |
| So that | I know the meaning of the song |