

**GitHub Username:** mostafayahia

# Thank You

## Description

The purpose of this app is to improve the user's English and enjoy at the same time. The user should watch embedded youtube videos for the songs from “**Thank You Allah**” album for **Maher Zain** singer. Also the user should activate transcription for the videos while watching them

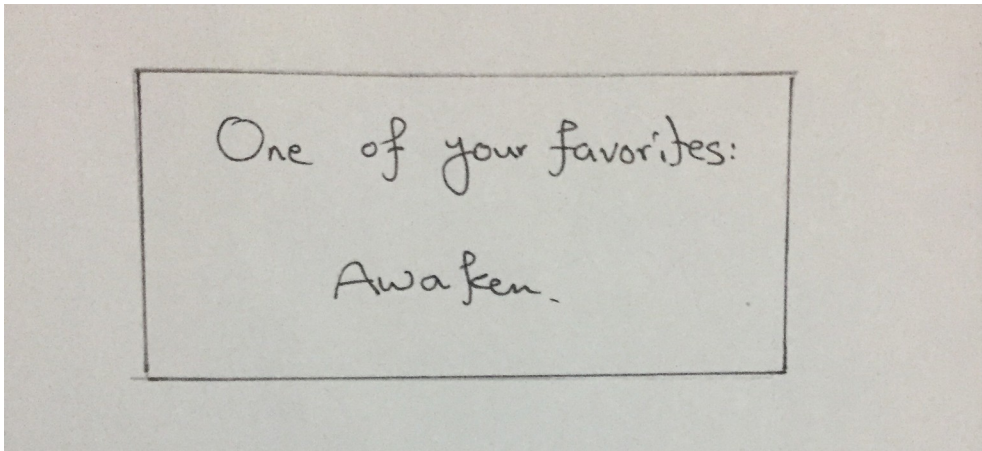
## Intended User

The app should target Non Native English Speakers who want to improve their English and also like Maher Zain singer. I'm one of these users.

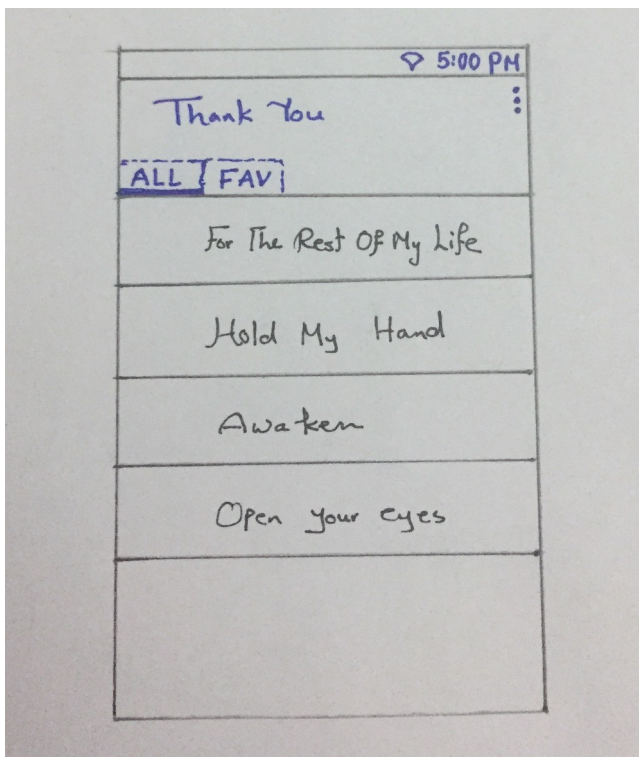
## Features

- Display embedded youtube videos for songs.
- The user can add any song to his favorites.
- After the video reaches to its end, It plays the next video in the list automatically.

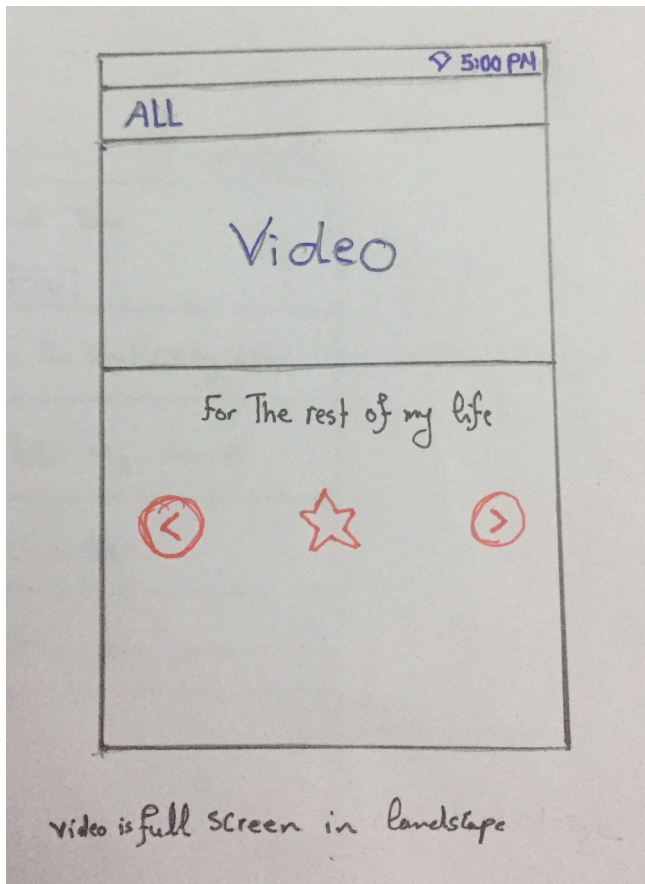
## User Interface Mocks



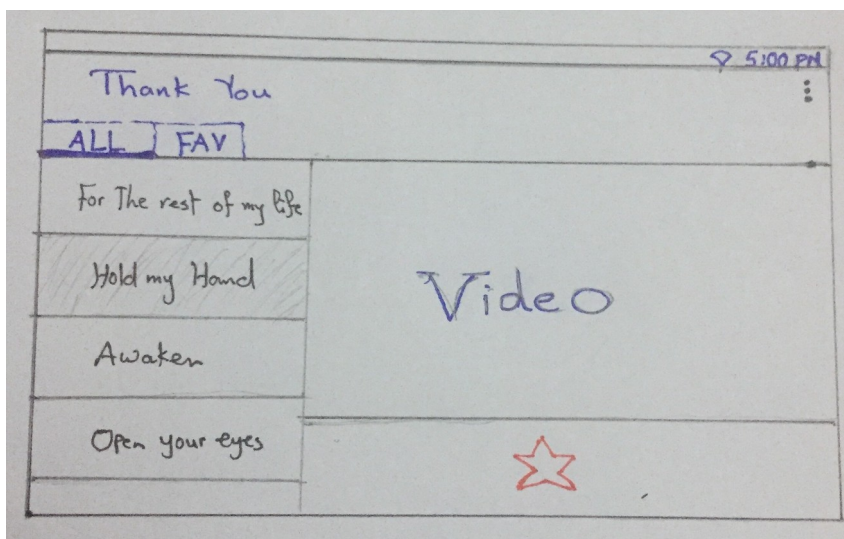
Widget



phone\_main\_activity



phone\_detail\_activity



tablet

## Key Considerations

### **How will your app handle data persistence?**

I'll build a Content Provider to store the favorite songs of the user.

### **Describe any edge or corner cases in the UX.**

In case of phone mobile, If the user is in detail activity and rotate the screen, he/she will get full screen video. The video will be stopped and the resources will be released if the video is no longer visible

### **Describe any libraries you'll be using and share your reasoning for including them.**

I'll use YouTubeAndroidPlayerApi.jar library. I've got it from <https://developers.google.com/youtube/>

### **Describe how you will implement Google Play Services or other external services.**

Google Analytics : used to get Screen Views, Avg session duration and new sessions.

Google Mobile Ads: used to display ads at the bottom of MainActivity.

## Required Tasks

### Task 1: Project Setup

A - we add **YouTubeAndroidPlayerApi.jar** library (you can get it from <https://developers.google.com/youtube/>) in the app/libs directory, then add the following dependency in the build.gradle file (exists in the app level directory):

**implementation files('libs/YouTubeAndroidPlayerApi.jar')**

B - we add also the following dependency for Google Analytics and Google Mobile Ads:

**implementation com.google.android.gms:play-services-ads:15.0.1**

**implementation com.google.android.gms:play-services-analytics:15.0.2**

### Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity (that has app bar and tabs for navigation between all songs and favorites).
- Build UI for SongListFragment.
- Build UI for SongDetailFragment.
- Build UI for SongDetailActivity.

### Task 3: Implement SongListFragement

- Implement SongAdapter class.
- Implement the class itself

### Task 4: Implement MainActivity

- Implement the class itself
- Attach SongListFragment to it.

### **Task 5: Implement SongDetailFragment**

### **Task 6: Implement SongDetailActivity**

- Attach SongDetailFragment to it.
- Making the video in full screen in landscape in case of mobile phone (not in a tablet).

### **Task 7: Build a ContentProvider for favorites**

### **Task 8: Modify MainActivity to handle the tablet display**

### **Task 9: Implement Google Analytics service**

- Create global\_tracker.xml file.
- Modify the code to allow tracking the screens

### **Task 10: Implement Google Ads service**

- Make necessary changes in the manifest file.
- Make necessary changes in the code to display the add at the bottom of the MainActivity.