

Technical Assessment

Assessment for Flutter Framework

Introduction

This document is written to assess how well are the technical skills of a potential frontend developer. You shall complete as much as the requirements asked, however your submissions will determine which skill level you are evaluated at.

Requirements

As a frontend developer, you are expected to develop a **Flutter** application with a list of attendance records with the reference of the data set provided below.

1. Display the records in the form of list view and sorted based on the time.
2. The list of records should be sorted from the most recent to the oldest.
3. The time format should be displayed in the format of **"time ago"** eg. 1 hour ago.
4. The time format is also able to be displayed in another format **"dd MMM yyyy, h:mm a"** with the change of toggle button.
5. The time format changes should be kept even if users terminate/kill the app.
6. Users are able to add a new attendance record into the list.
7. When a user successfully adds a new record to the list, an indicator should be displayed that user had successfully completed the action.
8. Users are able to search through the list based on the keyword that users key in.
9. Users are able to see a particular record in another page.
10. An indicator should inform the user that "You have reached the end of the list" when the user scrolled to the end of the list.
11. An onboarding screen / introduction screen should be shown to educate users how to use the app when a new user first opens up the app.
12. Users are able to share the contact information from the attendance records to other applications that are installed.
13. You are required to use Git as a proof of your own historical work.
14. Provide a ~5 minute video recording of you **presenting** and **demonstrating** all of your works above. You may use any preferred screen recording tool, such as OBS, Loom, etc. Your recording should include:
 - a. A quick walkthrough of the result of your work.
 - b. A quick walkthrough of your codes and solutions.

Submissions

1. You have **1 week** to complete and submit the **accessible** link to your work.

Attendance Dataset Example

```
{
  "user": "Chan Saw Lin"
  "phone": "0152131113"
  "check-in": 2020-06-30 16:10:05
},
{
  "user": "Lee Saw Loy"
  "phone": "0161231346"
  "check-in": 2020-07-11 15:39:59
},
{
  "user": "Khaw Tong Lin"
  "phone": "0158398109"
  "check-in": 2020-08-19 11:10:18
},
{
  "user": "Lim Kok Lin"
  "phone": "0168279101"
  "check-in": 2020-08-19 11:11:35
},
{
  "user": "Low Jun Wei"
  "phone": "0112731912"
  "check-in": 2020-08-15 13:00:05
},
{
  "user": "Yong Weng Kai"
  "phone": "0172332743"
  "check-in": 2020-07-31 18:10:11
},
{
  "user": "Jayden Lee"
  "phone": "0191236439"
  "check-in": 2020-08-22 08:10:38
},
{
  "user": "Kong Kah Yan"
  "phone": "0111931233"
  "check-in": 2020-07-11 12:00:00
},
{
  "user": "Jasmine Lau"
  "phone": "0162879190"
  "check-in": 2020-08-01 12:10:05
},
{
  "user": "Chan Saw Lin"
  "phone": "016783239"
  "check-in": 2020-08-23 11:59:05
}
```



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