

Candidate Technical Assessment

In this technical assessment, you need to build a flutter application based on the storyline below.

Your application must have the following:

1. Display a contacts list that is sorted based on the time. The time should be displayed in the format of “time ago” eg. 1 minute ago or 1 hour ago. The ordering of the list should be started from the most recent to the oldest.
2. Given an example that you have 30 sets of data and you are only displaying half of it. Users are able to load the remaining data by pulling up the list.
3. Users must be able to pull-to-refresh to generate a set of 5 random contacts data and append to the existing list.
4. If the user has scrolled down the list and reached the end. An indicator should inform the user that “You have reached end of the list”
5. Users are able to change between the original time format and format “time ago” with a toggle button and keep the changes even if users kill the app.
6. An action button that can allow the user to share the contact information to other installed applications on the mobile.

Requirements:

1. Develop the APP using the latest Flutter version in the stable channel.
2. Each completed storyline is a plus.
3. Track progress of the project via Git version control system.
4. List down all the plugins that you used to build the app.

Time to complete = **1 week**

Contacts 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
}
```