Hi Mette,

I have completed the test and to test the application's functionality, use the following dates:

1. 13 Jul 2020
2. 14 Jul 2020
3. 15 Jul 2020
4. 16 Jul 2020

Also, if you launch the app and if there are no car washes for today's date, I have programmatically added car washes for today's date so that the app doesn't look blank on launch.

I understand the importance of this test as you want to choose the best skills. I totally respect this test and I'm sure you will fairly evaluate this test.

I have given my 100% to it and as said earlier, your organisation is one of the organisations I would love to work with for the long term.

I have really enjoyed this test and I would love to share my experience with you by highlighting tasks below:

*- Followed the MVVM architecture.*

*- Generics are powerful. I always try to use generics wherever possible.*

*I have used generics in* ***APIResult.swift*** *and* ***JSONUtils.swift****. The usage can be seen in* ***CarwashService.swift****.*

*- OOPS! (Object-Oriented Programming) We know the concepts, we have studied them but when to use them?*

*I have created a protocol named* ***ReuseIdentifying*** *and using extensions, I have made* ***UICollectionViewCell*** *and* ***UITableView*** *cell to implement this protocol. Implementing this protocol will add a property named `reuseIdentifier` which will return the class name in String format. Using this, I don't have to define cell identifiers for all the cells. Please see the usage in code for more details.*

*- Swift's extensions are beautiful. Using extensions I have written some utilities for Date,* ***UITableView****,* ***UICollectionView****,* ***UIScrollView****.*

*- Code should be beautiful, readable, and well-documented. I have added explanation/documentation for the code wherever possible.*

*- Implemented the custom calendar functionality.*

*On changing the month, the calendar is automatically scrolled to the first day of the current calendar month. If any date is selected in the same month then the calendar is scrolled to the selected date.*

*As per the requirement, on arriving on the current month, today's date is selected and the calendar is scrolled to today's date.*

*For this, I have used 2 approaches and they are explained with comments in code.*

*- The carwashes list is fetched from the JSON file and then filtered as per the selected date and then shown on screen.*

*For better user experience, if there are no car washes for today, I have programmatically added some carwashes so that the screen does not look empty when the app is opened.*

*- Refresh functionality is implemented.*

*- In the* ***HomeTableCell.swift****, I have used* ***CLLocation*** *to calculate the distance from the previous visit. For the first visit of the day, the distance will always be zero.*

*- Disabled dark mode for this app as the UI may not look good on simulators and iOS devices with dark mode enabled.*

I will love to hear detailed feedback on my test results. Hard work, acceptance and a learning attitude are the keys to success.

Awaiting your feedback.

Thank you.

Regards,

Kalpesh Talkar.