



# **FRAMEWORK-BASED MOBILE APPLICATION DEVELOPMENT**

**CSM3114**

**PROJECT 2**

**PREPARED BY:**

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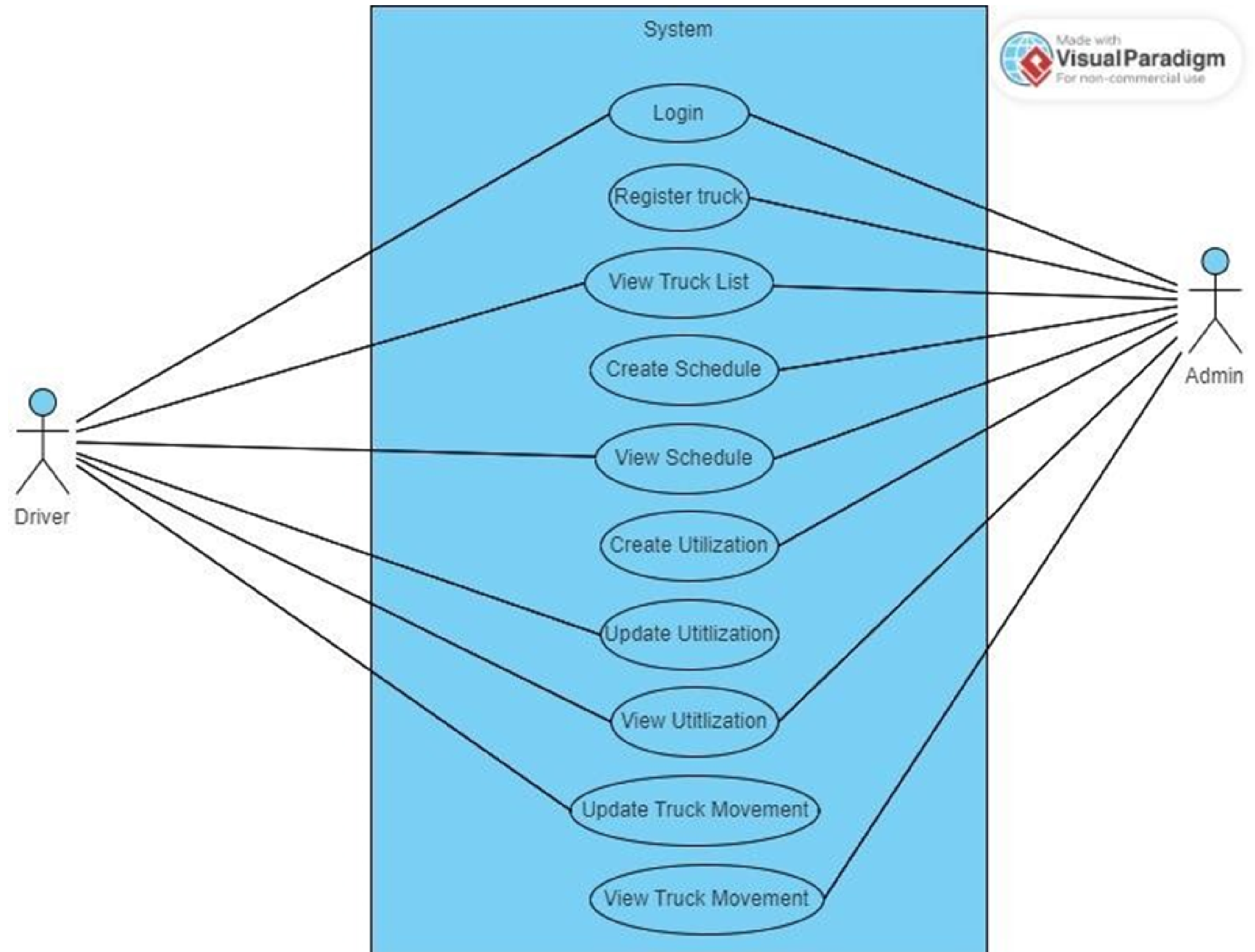
**S62250**

# HAULIER TRACKING SYSTEM

Haulier Tracking System is designed to provide truck movement and logistics management for their administrators and drivers. This application helps address the challenges of inaccurate truck information, limited communication, and inaccurate delivery times experienced in the transportation industry.



# USE CASE




# UI FOR THE APPLICATION

## Login

6:41

HAULIER TRACKING SYSTEM



LOGIN

Username

Password

☒ Admin

☐ Driver

Login

## Main

6:43

Truck List

- Truck List
- Truck Schedule
- Truck Movement
- Truck Utilization
- Logout

+

## Truck List

6:42

Truck List

|         |        |  |  |
|---------|--------|--|--|
| VVK1234 | Scania |  |  |
| KFK1142 | Hino   |  |  |

+

## Register Truck

6:44

Register Truck

Please fill up the form

Driver ID

Truck Brand

Truck Model

Truck Plate Number

Register Truck

## Truck Detail

6:45

Truck Detail

Truck Details

Brand: Scania

Model: Scania 202

Plate Number: VVK1234

# Truck Schedule

# Add Schedule

# Truck Movement

# Truck Utilization

# Utilization

6:47

Truck Schedule

Truck: VVK1234  
Pickup Point: Perlis  
Delivery Point: Perak  
Date: 2024-01-18 Time: 10:17

Truck: VVK1234  
Pickup Point: Kedah  
Delivery Point: Johor  
Date: 2024-01-17 Time: 9:30

Truck: KFK1142  
Pickup Point: Terengganu  
Delivery Point: Kelantan  
Date: 2024-01-19 Time: 17:28

Schedule List

Add Schedule

6:47

Add New Schedule

VVK1234

Pickup Point

Delivery Point

Delivery Date: 19-01-2024

Choose Date

Delivery Time: 18:47

Choose Time

Add Schedule

6:48

Truck Movement

Truck: VVK1234

The truck has arrived at its destination

Truck: VVK1234

The truck is on the way from: Kedah to Johor

Truck: KFK1142

The truck has arrived at its destination

6:49

Truck Utilization

VVK1234

muaz

KFK1142

amirul

6:50

Truck Utilization

Driver Id

Driver Id: S62250

Truck

Truck Id: VVK1234

Driver Name

Driver Name: muaz

Cargo Capacity

Current Load: 12ton

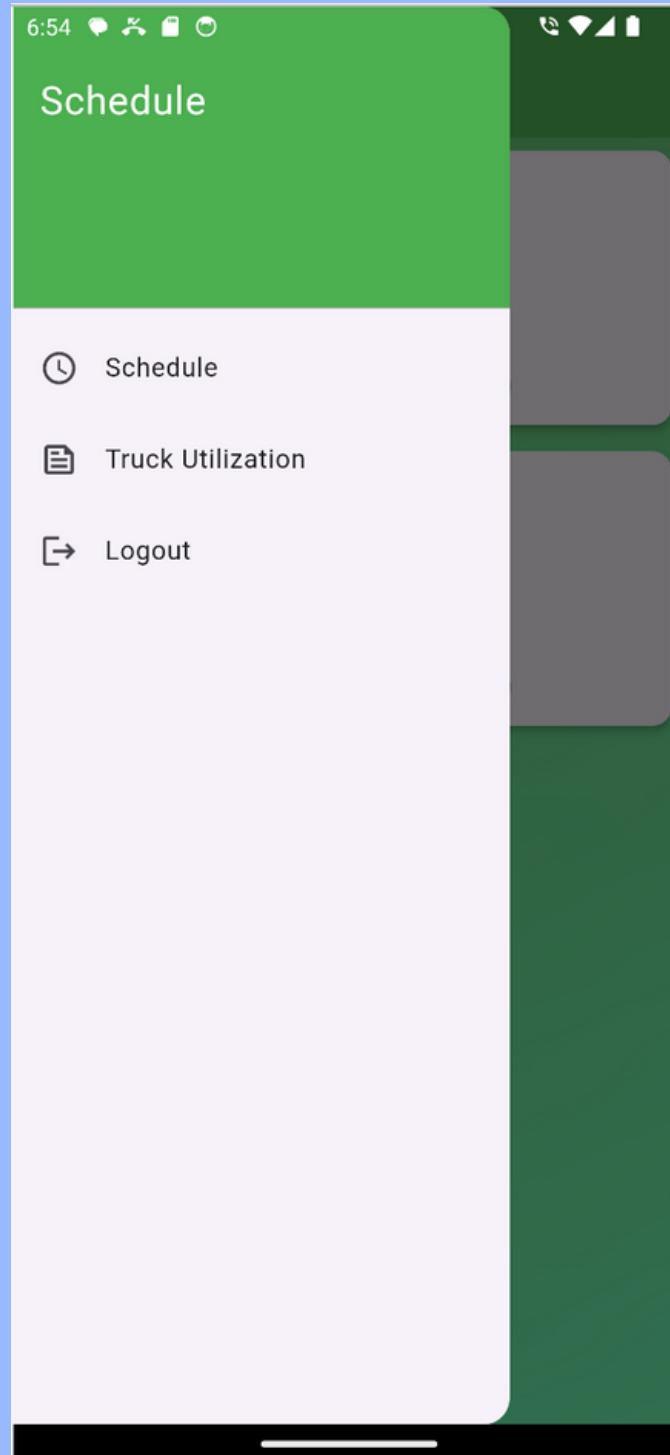
Condition

Condition: Excellent

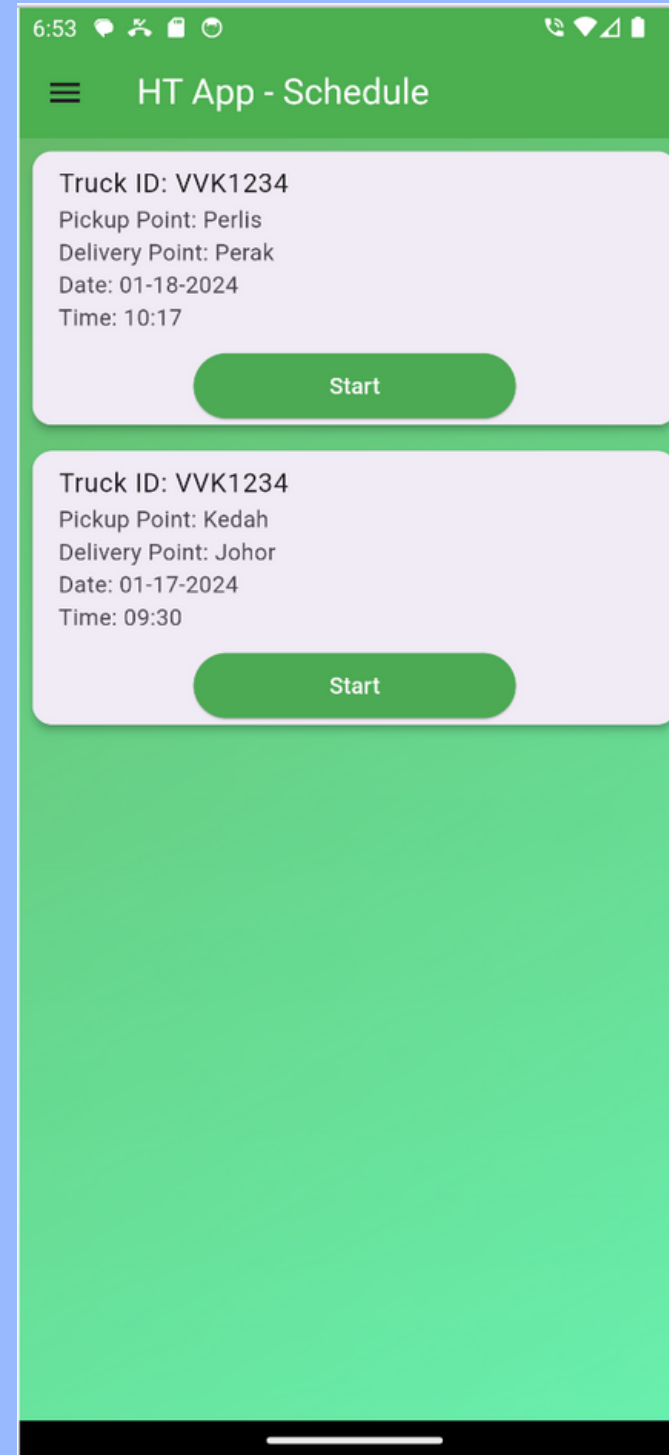
Maintenance Schedule

Next Maintenance: 12/2/2024

## Driver Drawer



## Schedule List



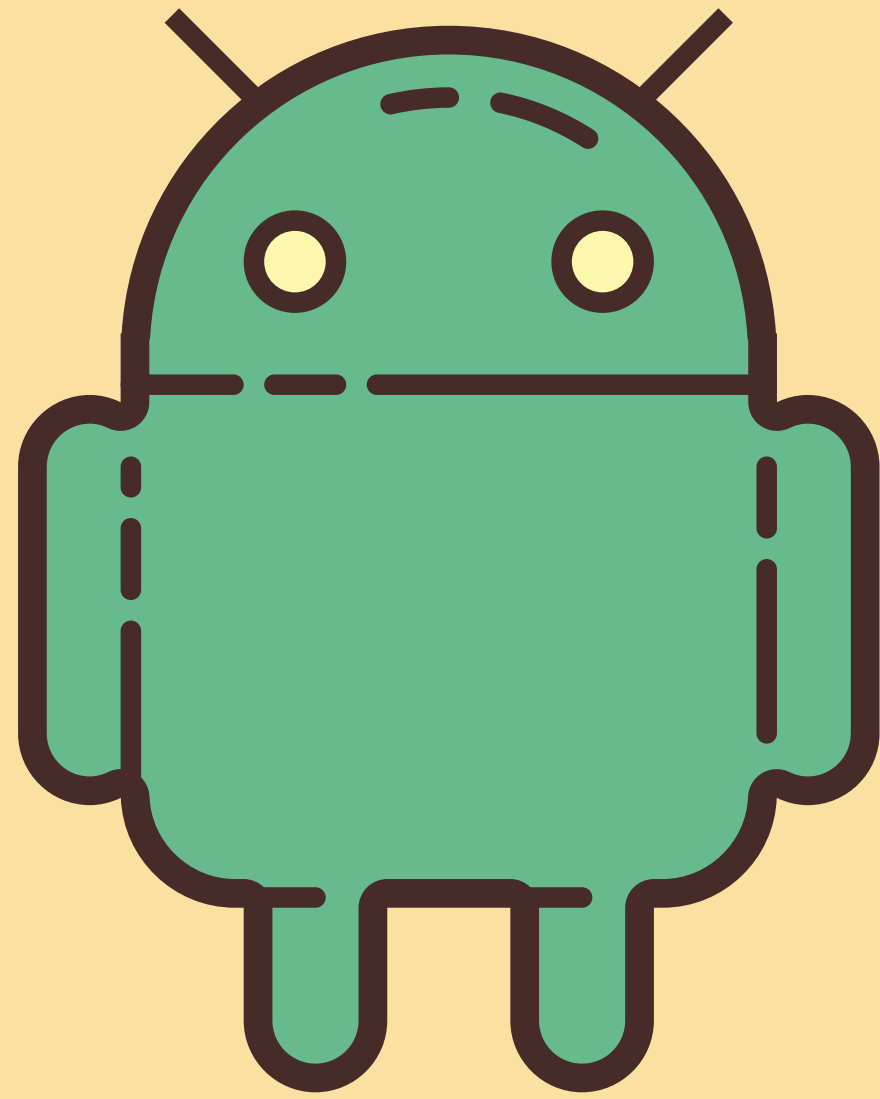
## Utilization Form

The screenshot shows a mobile application interface with a white header bar labeled "Utilization Form". Below the header are four input fields: "Truck ID: VVK1234", "Driver Name" (with the value "muaz"), "Cargo Capacity" (with the value "12ton"), and "Truck Condition" (a dropdown menu showing "Excellent"). Below these fields is a "Maintenance Schedule" field with the value "12/2/2024". At the bottom is a "Submit" button. The status bar at the top shows the time as 6:53 and various system icons.



## References

- 1.“Cookbook.” Flutter, docs.flutter.dev/cookbook. Accessed 5 Jan. 2024.
- 2.“Display Images from the Internet.” Flutter, docs.flutter.dev/cookbook/images/network-image. Accessed 6 Jan. 2024.
- 3.“Listtile Class.” ListTile Class - Material Library- Dart API, api.flutter.dev/flutter/material/ListTile-class.html. Accessed 6 Jan. 2024.
- 4.Yuto. “Flutter Convert TimeOfDay to 24 Hours Format.” Technical Feeder, Technical Feeder, 28 Oct. 2022, [www.technicalfeeder.com/2022/02/flutter-convert-timeofday-to-24-hours-format/](http://www.technicalfeeder.com/2022/02/flutter-convert-timeofday-to-24-hours-format/).
- 5.Goodman, A. “Working with Time Picker in Flutter (Updated).” KindaCode, 2023, [www.kindacode.com/article/working-with-time-picker-in-flutter/](http://www.kindacode.com/article/working-with-time-picker-in-flutter/).
- 6.Hitanshu GogoiHitanshu Gogoi 96733 gold badges1515 silver badges2424 bronze badges, et al. “Bottom Overflow by 30px.” Stack Overflow, 1 Sept. 1964, [stackoverflow.com/questions/51972371/bottom-overflow-by-30px](https://stackoverflow.com/questions/51972371/bottom-overflow-by-30px).
- 7.Add Firebase to your Flutter app. (n.d.).Firebase. <https://firebase.google.com/docs/flutter/setup>
- 8.U, S. A. (2023, February 28). HTTP CRUD methods in Flutter - Santhosh Adiga U - Medium.Medium. <https://santhosh-adiga-u.medium.com/http-crud-methods-in-flutter-f679ecbd0671>



**THANK YOU!**