**Sketch Book**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Vehicle\_no | area | mileage | Percentage (mileage/ total\_mileage) | Total\_mileage(max odometer – min odometer) |
| BHB409 | **ACM Batu Cave** | 123 | 50.5 |  |
| BHB409 | **BALAI POLIS SELANGAU, SIBU** |  |  |  |
| BHB409 | Others |  |  |  |
| BHE144 | **ACM Batu Cave** |  |  |  |
| BHE144 | Others |  |  |  |
| BHE185 | Others |  |  |  |
| BHE194 | **ACM Batu Cave** |  |  |  |
| BHE194 | **BALAI POLIS SELANGAU, SIBU** |  |  |  |

Step:

1. Create df with vehicle\_no, area, mileage
2. Create df with vehicle\_no, total mileage
3. create df with vehicle\_no, other area with table 2 minus table 1
4. Concat table 3 to table 1 and sort by vehicle\_no
5. add column total mileage from table 2 to table 1
6. calculate percentage using each mileage and total mileage

to improve the accuracy of the vehicle and the location.

To estimate where the vehicle is parked most of the time to find the home (MAX duration)

DATE(time\_stamp), vehicle\_no, ignition, coordinate, time\_stamp, odometer, areas

WHERE ignition = false

AND DATE(time\_stamp) > ‘’ AND < ‘’

GROUP BY vehicle\_no, odometer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Vehicle\_no | Area | Odometer | Duration | Total Duration |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Vehicle\_no | Area / Branch (Branch Code) | station\_duration (Max) | Percentage= station\_duration / total\_station\_duration |
| 2022-04-01 | ABC123 | PJY | 4:00:00 | 80 |

Map Location name to branch code

Stationary vehicle but ignition true / idle time

* Sum of duration, no need area

list vehicle moved

Where does the vehicle locate?

-Find Django command line example

-Connect to GDEX database

-Use the movement SQL in function

-Idle time

|  |  |  |  |
| --- | --- | --- | --- |
| Vehicle\_no | Odometer | Duration |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vehicle\_no | Total | <5 | >=5 <10 | >=10 | Duration <5 | Duration >=5 <10 | Duration >=10 | Total Duration |  |

Speeding

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Vehicle\_no | Total Count | 70-80 | 80-90 | 90-100 | 100-110 | >110 |

Long Driving Count

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Vehicle\_no | Total Count | 4-10 hours | 10-14 hours | >14 hours |  |

Driver Summary

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vehicle\_no | Total\_mileage | Overspeed | Idling | Long Driving |  |  |  |  |  |

1.Show polygon using google map api and can click link to show on google map

2.Show speeding and idling frequency and create distribution chart

3.Create map

1. Find out about OpenCV or google vision API to scan documents

-When taking photo, add a rectangle line to guide users where to position the odometer in the picture.

-Then crop the picture from the rectangle line.

-Scan the picture to get the odometer

1. Able to add KML from google my map to the website

-Convert the KML file into dataframe. Change the 3d geometry to 2d.

1. Output vehicle route

Table

Description automatically generated

List FAQ:

* Cannot find supervisor – trip log – System checked supervisor exist or not //done, no answer
* Cannot find route – trip log – User report route id //done, no answer
* Refill card not available – refill log //done, no answer
* Camera not authorized – App //done, no answer
* Cannot login – Account - checked if user exist or not
* Cannot install GDEX Drive in phone
* QR Code cannot read – trip log //Not need
* Forgot password – akaun //Not yet
* Start trip does not need verification.

FAQ Category:

* App
* Trip Log
* Refill Log
* Account
* Lain-lain
* Camera not authorized

A picture containing text, black, electronics, screen

Description automatically generated

From chatbot :

* New user can sign up using chatbot
* New users have to enter their:
  + Username
  + Branch id
  + Supervisor id
  + Selfie
* Then it will send to supervisor to approve
* If supervisor approve, create temporary passwords, then give to new users to login
* When new user’s login, must create own password to replace temporary password

Build APK :

- cd android

- ./gradlew clean (see if working)

- if yes (./gradlew assembleRelease)

New task:

- remove react-native-image-picker change to expo-image-picker

- on the sign in screen bottom right , there have one chat icon , navigate in will be help screen

- put those code into the screen and because there have no user id because not login yet

- you need to move userId & profile into some temporary data

- first to ask user to insert user id on chat , then confirm from api and response with email name and id, after that , if success store the data on screen , hint: use useState, then proceed the rest with the user id

#Chatbot task.

-Find more questions and answers

-Find out how to create user in chatbot

-Make sure the chatbot is continuously replying to users, and no errors in replies.