

STM 0.1 Saccom Transport Management

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with help of ANASS KADA

and SACCOM IT TEAM

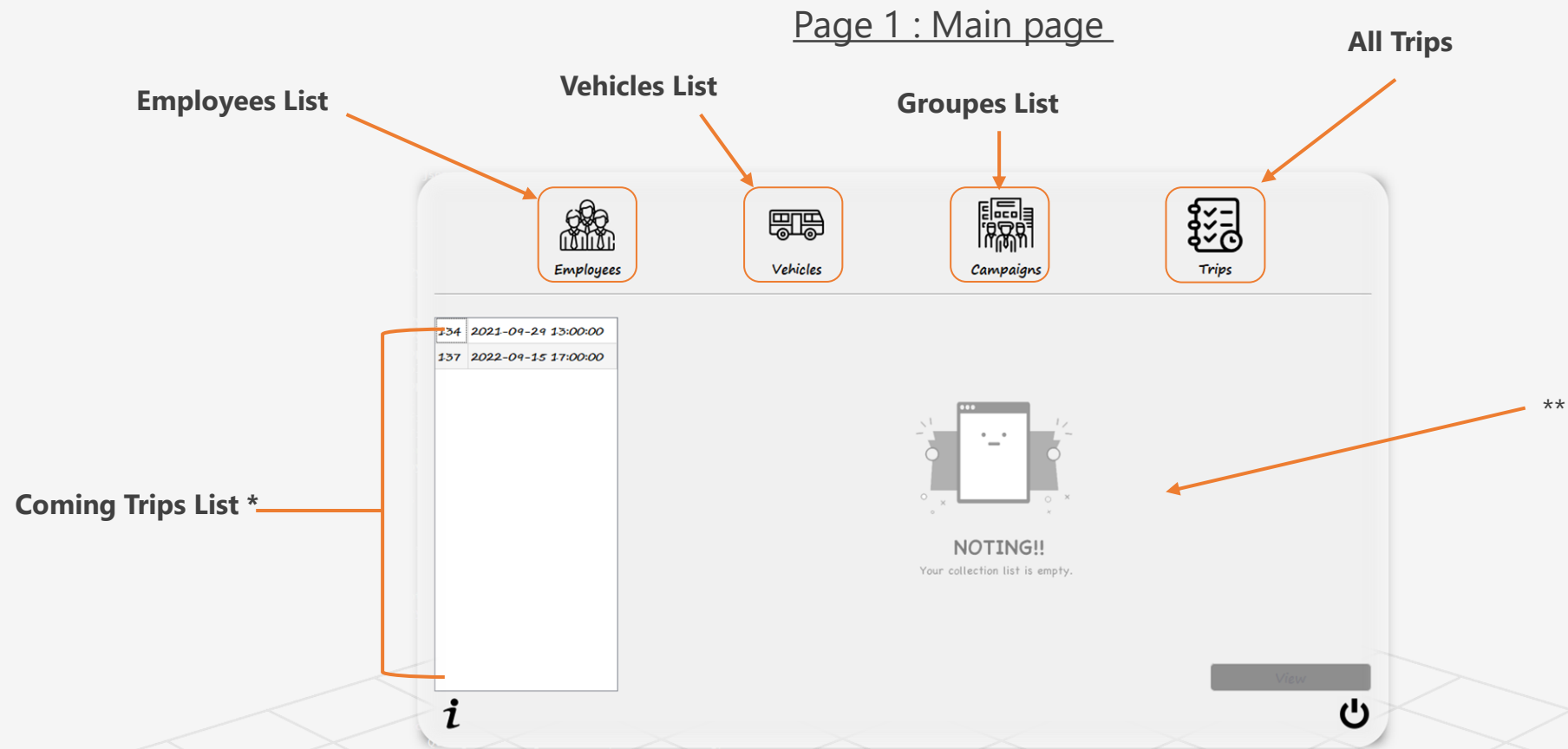
What is STM?

STM 0.1 or SACCOM TRANSPORT MANAGEMENT is an Solution to manage the transport plans and avoid the Disorganized management, STM consist of two applications :

- ✓ STM-Mobile : Mobile Application work in android, for the drivers.
- ✓ STM-Desktop : Portable Desktop Application (no installation needed) for the Admin.

How it Works? Part 1

❑ The Prosses starting from the admin side (Desktop app) :



* → the trips the not yet done sorted by Date/Time From newer to older .

** → No thing to show until click on some trip to see it's info .

How it Works? Part 2

To Insert a 3D Model:

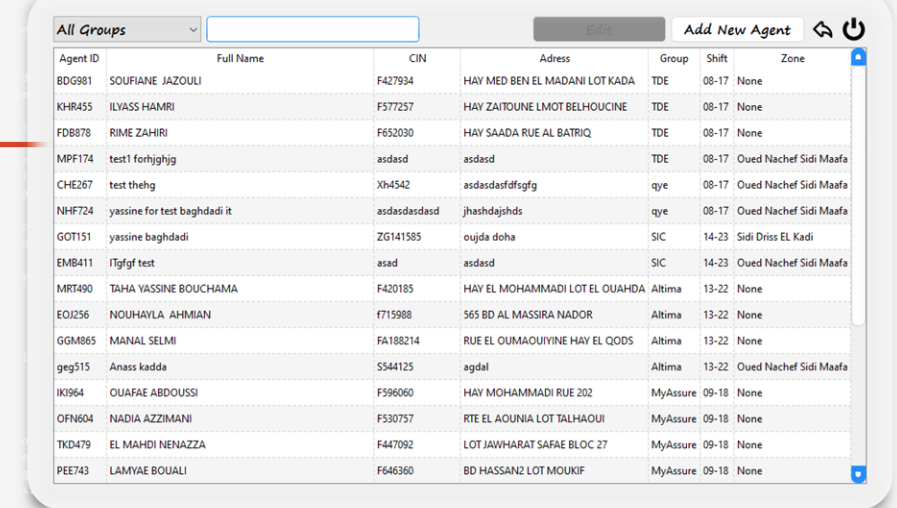
1 Agents/Employees List :

- Filter Agents by Groups .
- Search for Agent by Name or CIN or Matriculation ...
- Edit Agent by select the agent and click EDIT button.

2 Add new Agent :

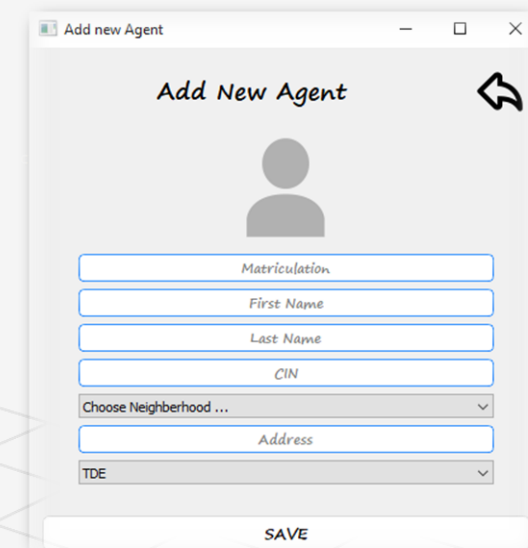
- Fill all the information (all info required) ,
- Click at the picture to choose Picture for the agent ,

1




| Agent ID | Full Name | CIN | Address | Group | Shift | Zone |
|----------|------------------------------|--------------|--------------------------------|----------|-------|------------------------|
| BDG981 | SOUFIANE JAZOULI | F427934 | HAY MED BEN EL MADANI LOT KADA | TDE | 08-17 | None |
| KHR455 | ILYASS HAMRI | F577257 | HAY ZAITOUNE LMOT BELHOUCINE | TDE | 08-17 | None |
| FD8878 | RIME ZAHIRI | F652030 | HAY SAADA RUE AL BATRIQ | TDE | 08-17 | None |
| MPF174 | test1 forhijhij | asdasd | asdasd | TDE | 08-17 | Oued Nachef Sidi Maafa |
| CHE267 | test thehg | Xh4542 | asdasdasdfsgfg | qye | 08-17 | Oued Nachef Sidi Maafa |
| NH4724 | yassine for test baghdadi it | asdasdasdasd | jhashdajshds | qye | 08-17 | Oued Nachef Sidi Maafa |
| GOT151 | yassine baghdadi | ZG141585 | oujda doha | SIC | 14-23 | Sidi Driss EL Kadi |
| EMB411 | ITgfgf test | asad | asdasd | SIC | 14-23 | Oued Nachef Sidi Maafa |
| MRT490 | TAHA YASSINE BOUCHAMA | F420185 | HAY EL MOHAMMADI LOT EL OUAHDA | Altima | 13-22 | None |
| EOI256 | NOUHAYLA AHMIAN | F715988 | 565 BD AL MASSIRA NADOR | Altima | 13-22 | None |
| GGM865 | MANAL SELMI | FA188214 | RUE EL OUMAOUVINE HAY EL QODS | Altima | 13-22 | None |
| geg515 | Anass kadda | S544125 | agdal | Altima | 13-22 | Oued Nachef Sidi Maafa |
| IKI964 | OUAFAE ABDOUSS | F596060 | HAY MOHAMMADI RUE 202 | MyAssure | 09-18 | None |
| OFN604 | NADIA AZZIMANI | F530757 | RTE EL AOUNIA LOT TALHAOU | MyAssure | 09-18 | None |
| TKD479 | EL MAHDI NENAZZA | F447092 | LOT JAWHARAT SAFAE BLOC 27 | MyAssure | 09-18 | None |
| PEE743 | LAMYAE BOUALI | F646360 | BD HASSANZ LOT MOUKIF | MyAssure | 09-18 | None |

2



Add New Agent



Choose Neighborhood ...

TDE

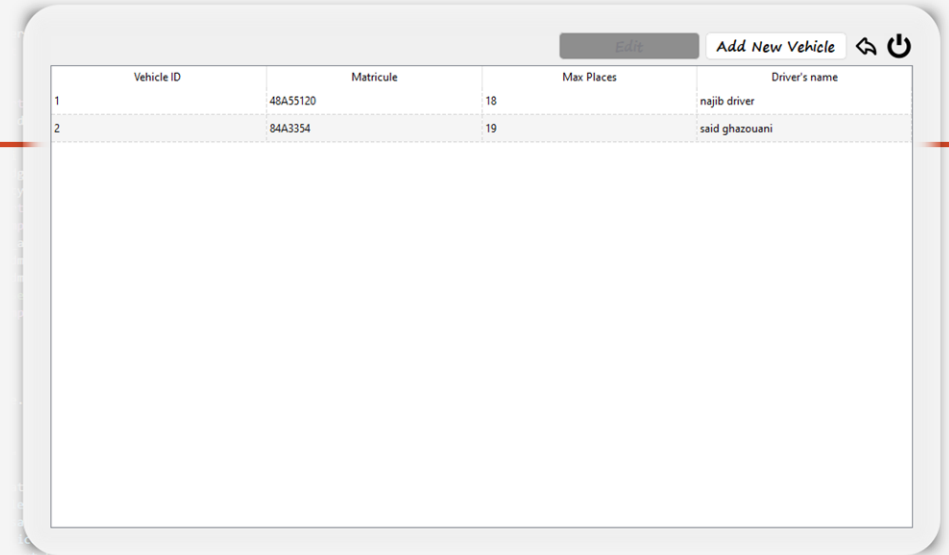
SAVE

How it Works? Part 3

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1 Vehicles Page :

- View infos about all the Vehicles.
- Modify by select the vehicle and click Edit.
- Add new vehicle .



The screenshot shows a web interface for managing vehicles. At the top right, there are buttons for 'Edit' (disabled), 'Add New Vehicle', and a refresh icon. Below these is a table with the following data:

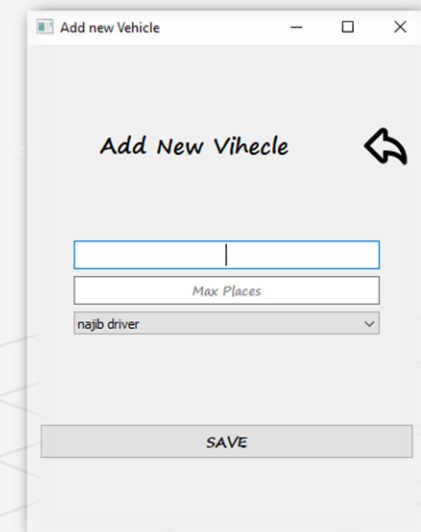
| | Vehicle ID | Matricule | Max Places | Driver's name |
|---|------------|-----------|------------|----------------|
| 1 | | 48A55120 | 18 | najib driver |
| 2 | | 84A3354 | 19 | said ghazouani |

Below the table is a large empty white rectangular area.

2 Add new vehicle Page :

- Fill all the infos and choose driver for this new vehicle

2



The screenshot shows a modal window titled 'Add new Vehicle'. It contains the following fields and controls:

- A text input field for the vehicle name.
- A text input field for 'Max Places'.
- A dropdown menu for selecting a driver, currently showing 'najib driver'.
- A 'SAVE' button at the bottom.

How it Works? Part 4

Try them yourself with the parrot on the right:

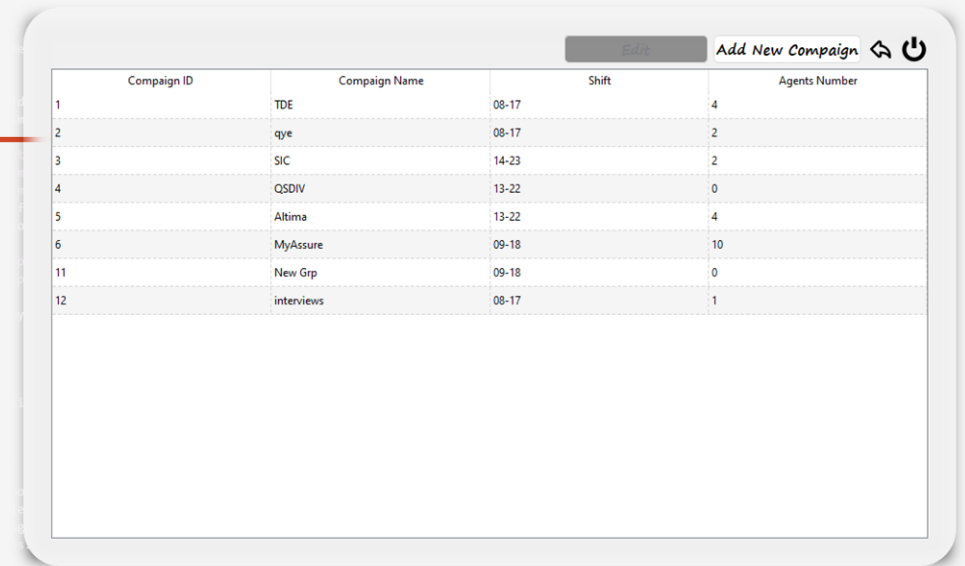
1 Campaigns/Groups Page :

- View name and schedual of all groups

2 Add new Group Page :

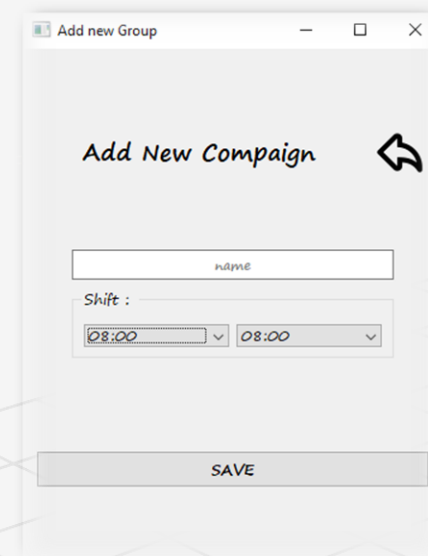
Fill the info and choose the Shift By specify the enter and leaving time (should be 9 hours between the two times)

1



| Campaign ID | Campaign Name | Shift | Agents Number |
|-------------|---------------|-------|---------------|
| 1 | TDE | 08-17 | 4 |
| 2 | qye | 08-17 | 2 |
| 3 | SIC | 14-23 | 2 |
| 4 | QSDIV | 13-22 | 0 |
| 5 | Altima | 13-22 | 4 |
| 6 | MyAssure | 09-18 | 10 |
| 11 | New Grp | 09-18 | 0 |
| 12 | interviews | 08-17 | 1 |

2



Add new Group

Add New Campaign ↩

NAME

Shift :

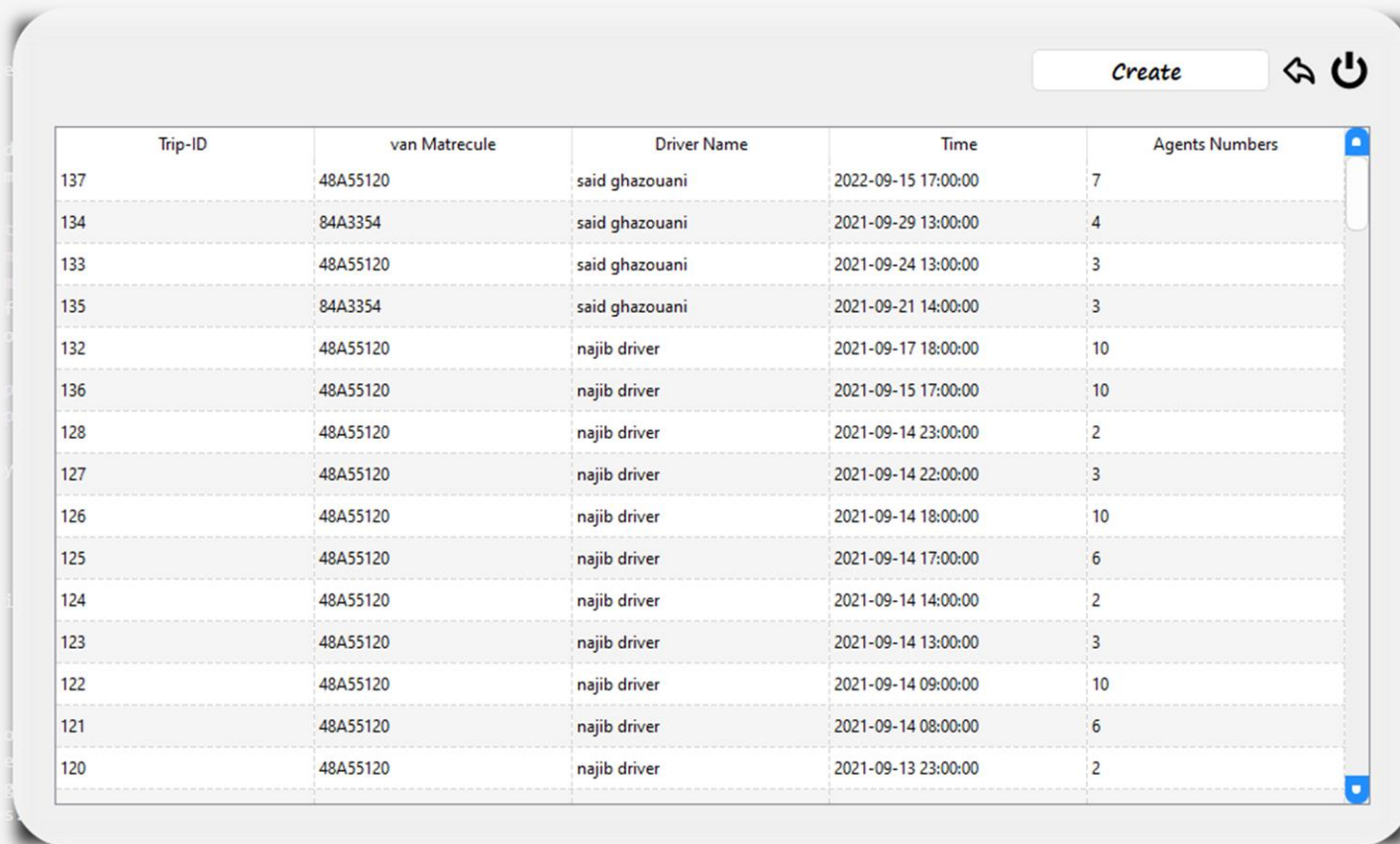
08:00 08:00

SAVE

How it Works? Part 5

All trips page :

- You can create new trips by clicking on Create .
- View details about a trip by double click on it .

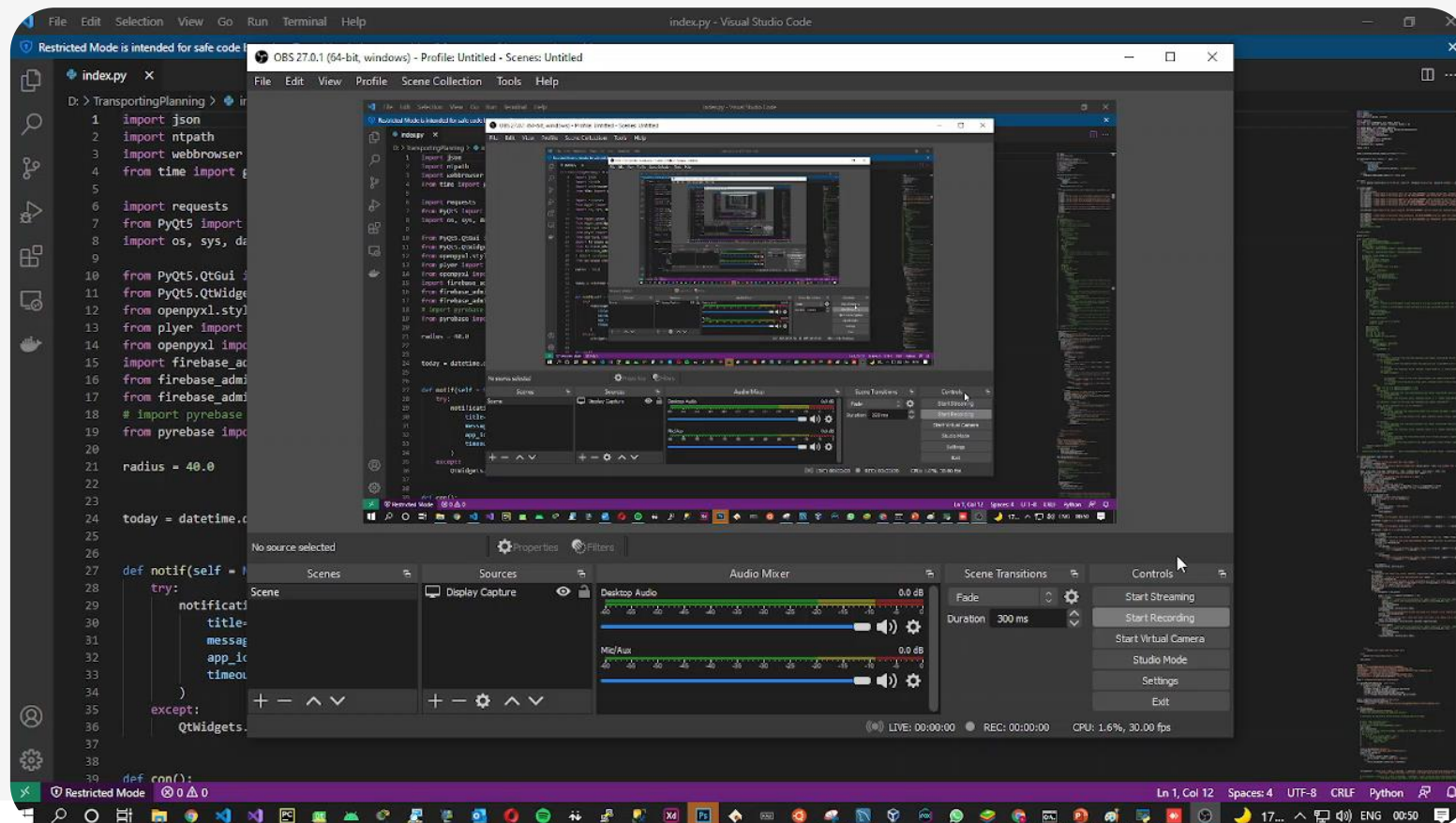


| Trip-ID | van Matrecule | Driver Name | Time | Agents Numbers |
|---------|---------------|----------------|---------------------|----------------|
| 137 | 48A55120 | said ghazouani | 2022-09-15 17:00:00 | 7 |
| 134 | 84A3354 | said ghazouani | 2021-09-29 13:00:00 | 4 |
| 133 | 48A55120 | said ghazouani | 2021-09-24 13:00:00 | 3 |
| 135 | 84A3354 | said ghazouani | 2021-09-21 14:00:00 | 3 |
| 132 | 48A55120 | najib driver | 2021-09-17 18:00:00 | 10 |
| 136 | 48A55120 | najib driver | 2021-09-15 17:00:00 | 10 |
| 128 | 48A55120 | najib driver | 2021-09-14 23:00:00 | 2 |
| 127 | 48A55120 | najib driver | 2021-09-14 22:00:00 | 3 |
| 126 | 48A55120 | najib driver | 2021-09-14 18:00:00 | 10 |
| 125 | 48A55120 | najib driver | 2021-09-14 17:00:00 | 6 |
| 124 | 48A55120 | najib driver | 2021-09-14 14:00:00 | 2 |
| 123 | 48A55120 | najib driver | 2021-09-14 13:00:00 | 3 |
| 122 | 48A55120 | najib driver | 2021-09-14 09:00:00 | 10 |
| 121 | 48A55120 | najib driver | 2021-09-14 08:00:00 | 6 |
| 120 | 48A55120 | najib driver | 2021-09-13 23:00:00 | 2 |

How it Works? Part 5-1

Trip View Page :

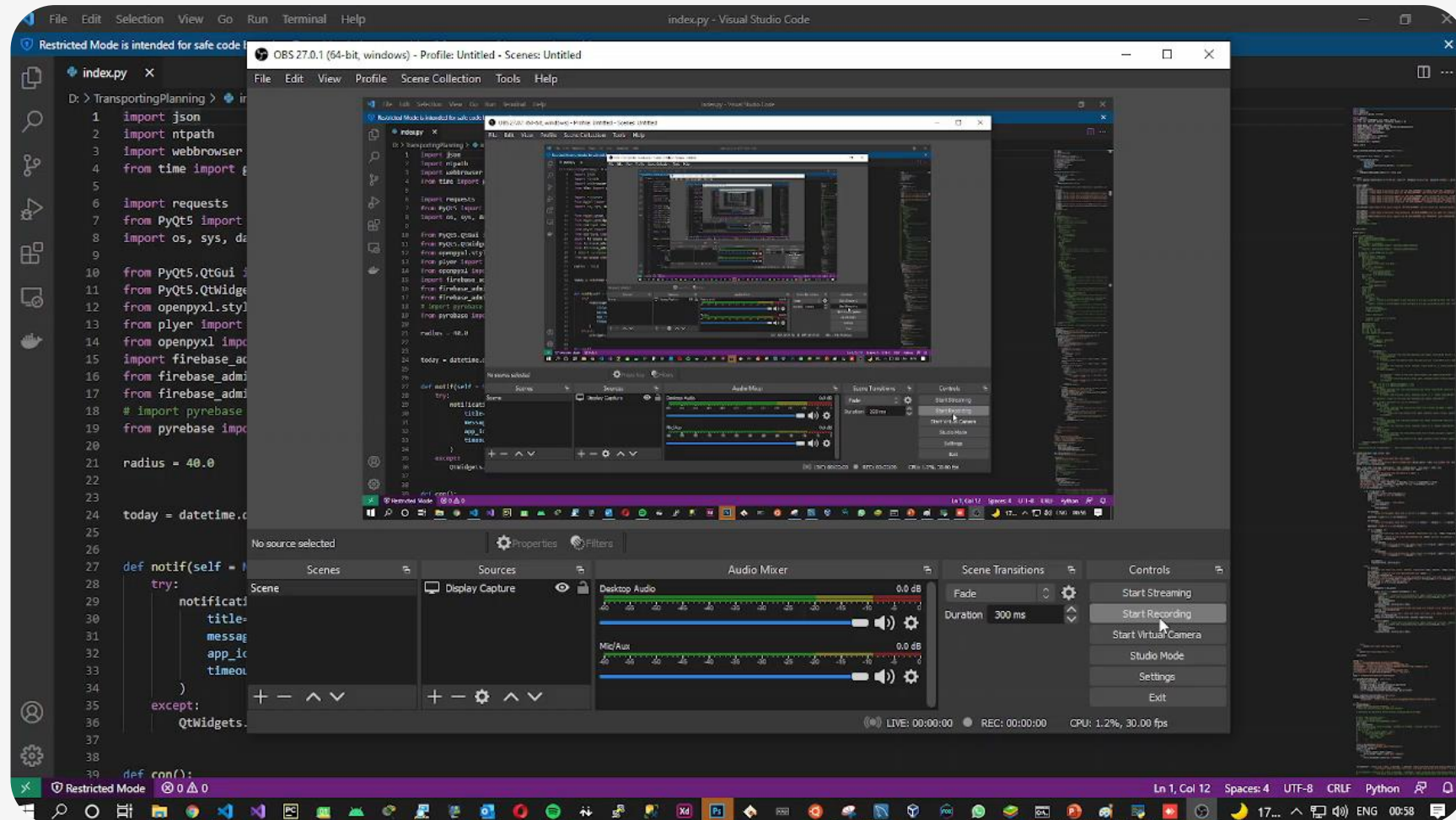
- If Date and Time of trip are valid you can add or remove Agents from that trip .
- You can click on Start time to get started location and the same for the stop .
- If the Trip already done you can click at view and see the full path of the trip on google maps as the video shows.



How it Works? Part 5-2

Trip View Page :

- Click Export and get a excel file ready to print by the names of agents for that trip (see the video).



How it work ? Part 6

❑ The Prosses starting from the Driver side (Mobile app) :

First thing is to give GPS and Calls Permissions to the apps without them can't run properly.

- GPS : to get trip path and driver's current location.
- Calls : to call the agent directly from the app .

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- Login Page with simple UI that you can access the app rough by the correct username and password

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1:13

SACCOM
CAPITAL GROUP
Best performance, smart processes ...
TRUST YOUR FUTURE

User Name

Password

LOG IN

i

How it work ? Part 6

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Trips list Page :

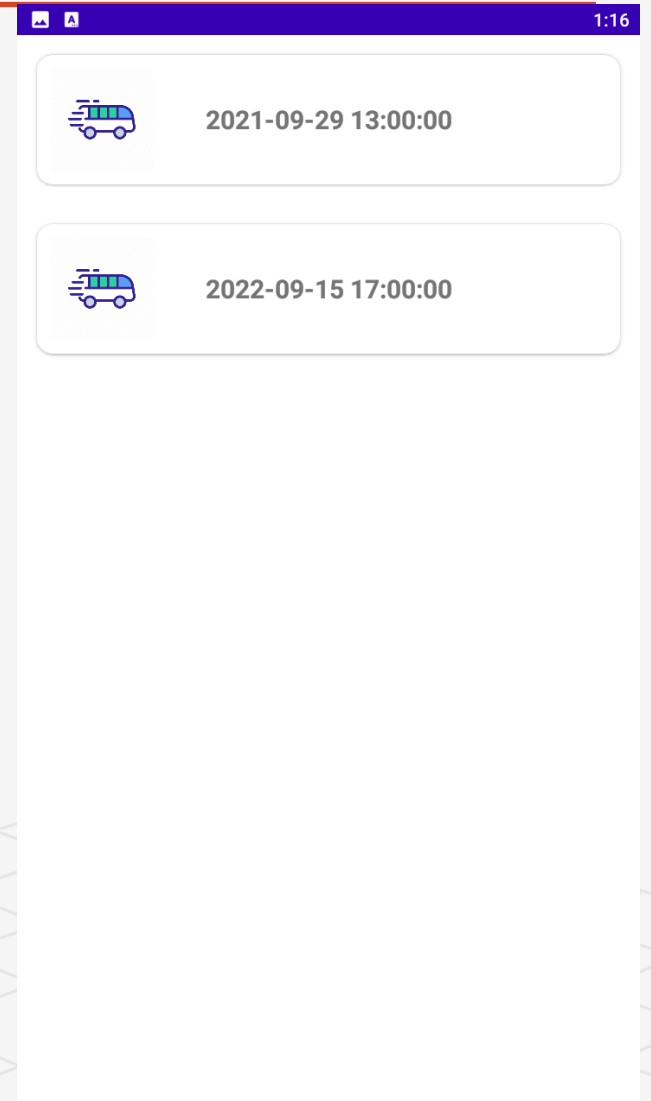
- Shows the available Trip that you have as driver .

→ When you choose a trip you'll get an popped up page telling you if you want to start the trip or just see the agents ,
For start it you have to provide the current KM in the vehicle counter (you can't start a new trip if there is a trip started before), when the trip start you can change agent status :

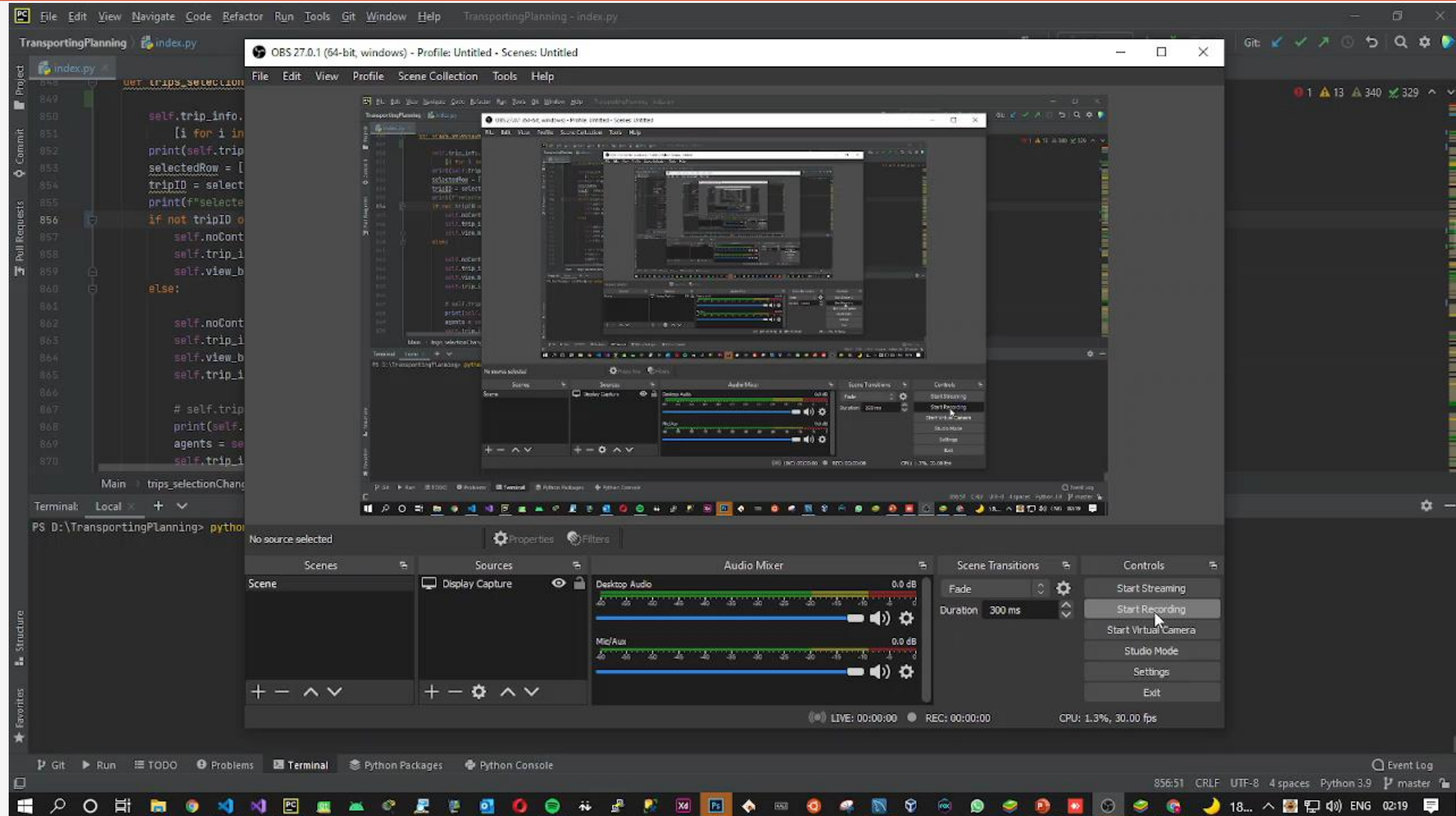
- Enter : enter the vehicle, the app getting the time and location.
- Leave : Leave the vehicle, the app getting the time and the location.
- Absent : if the agent is absent.
- Call : to call the agent in case didn't come at the time.

****see the video of simulation in the next slide ...**

1



How it Works ? Part 7 Simulation .



More Infos about STM Project?

Used techs :

➤ **Desktop App (Admin side):**

- Python : Pyqt5, pymysql, firebase_admin, plyer, openpyxl, selenium, requests, qt
- C++ : QT compiler .

➤ **Mobile App (driver side):**

- Android studio : JAVA, XML