STM 0.1
Saccom Transport Management

Created by YASSINE BAGHDADI
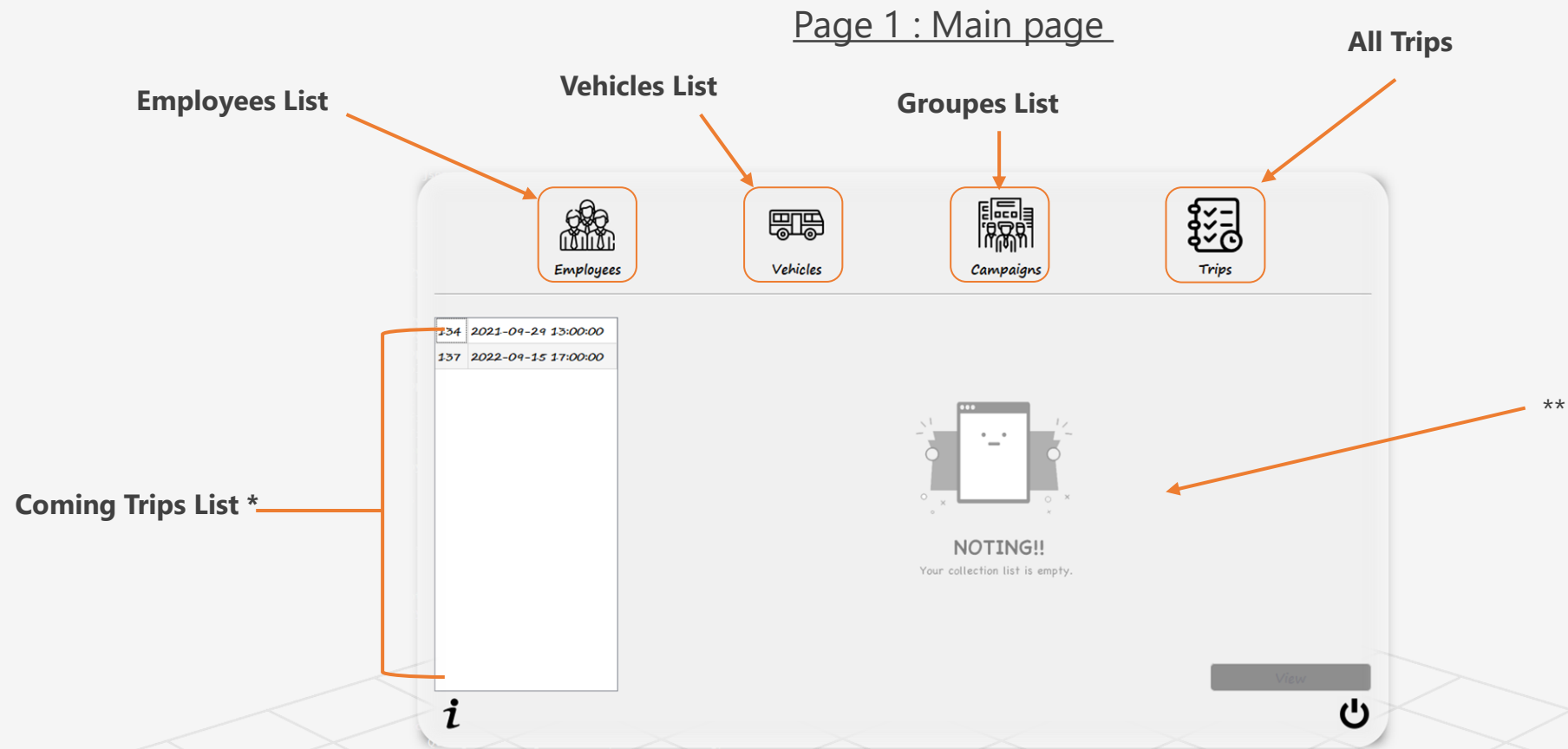
with help of ANASS KADA

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) :**

<u>Page 1 : Main page</u>

All Trips

Employees List

Vehicles List

Groupes List

Coming Trips List *

134	2021-09-29 13:00:00
137	2022-09-15 17:00:00

NOTING!!
Your collection list is empty.

**

* ➜ 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 .
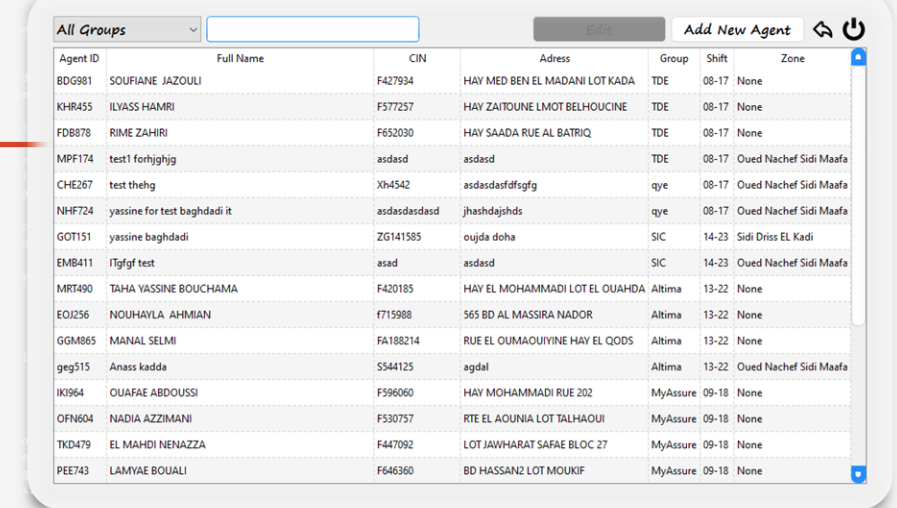
How it Works? Part 2

To Insert a 3D Model:

1 **Agents/Employees List :**

- Filter Agents by Groups .

- Search for Agent by Name or CIN or Matriculation …

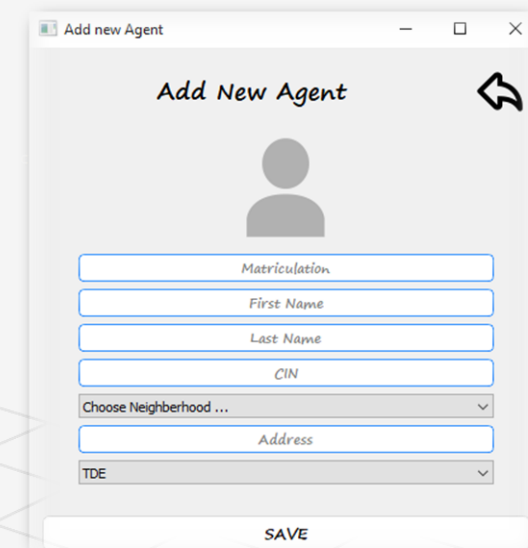- Edit Agent by select the agent and click EDIT button.

2 **Add new Agent :**

- Fill all the information (all info required) ,

- Click at the picture to choose Picture for the agent ,
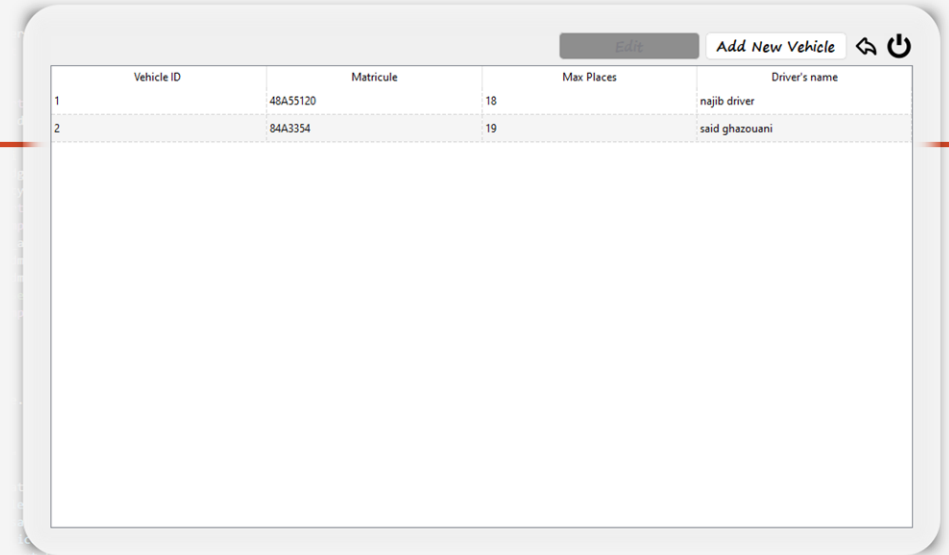
How it Works? Part 3

1

1 Vehicles Page :

- View infos about all the Vehicles.

- Modify by select the vehicle and click Edit.

- Add new vehicle .
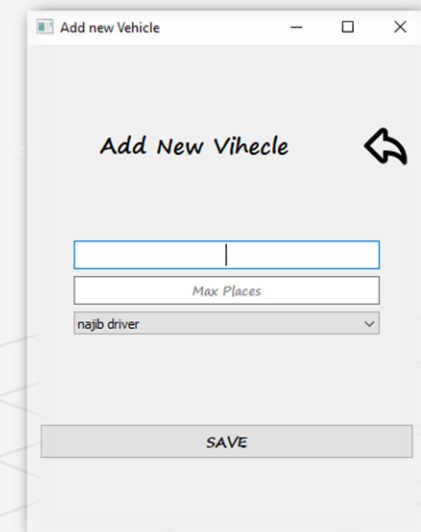
2 Add new vehicle Page :

- Fill allthe infos and choose driver for this new vehicle

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)

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 .

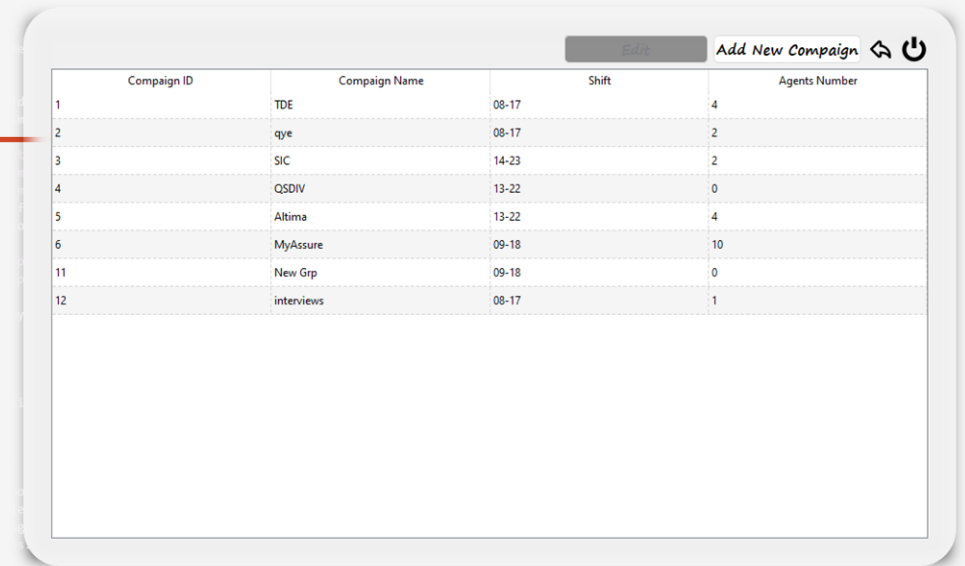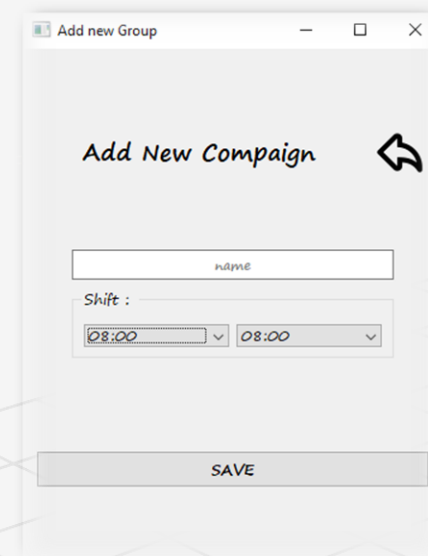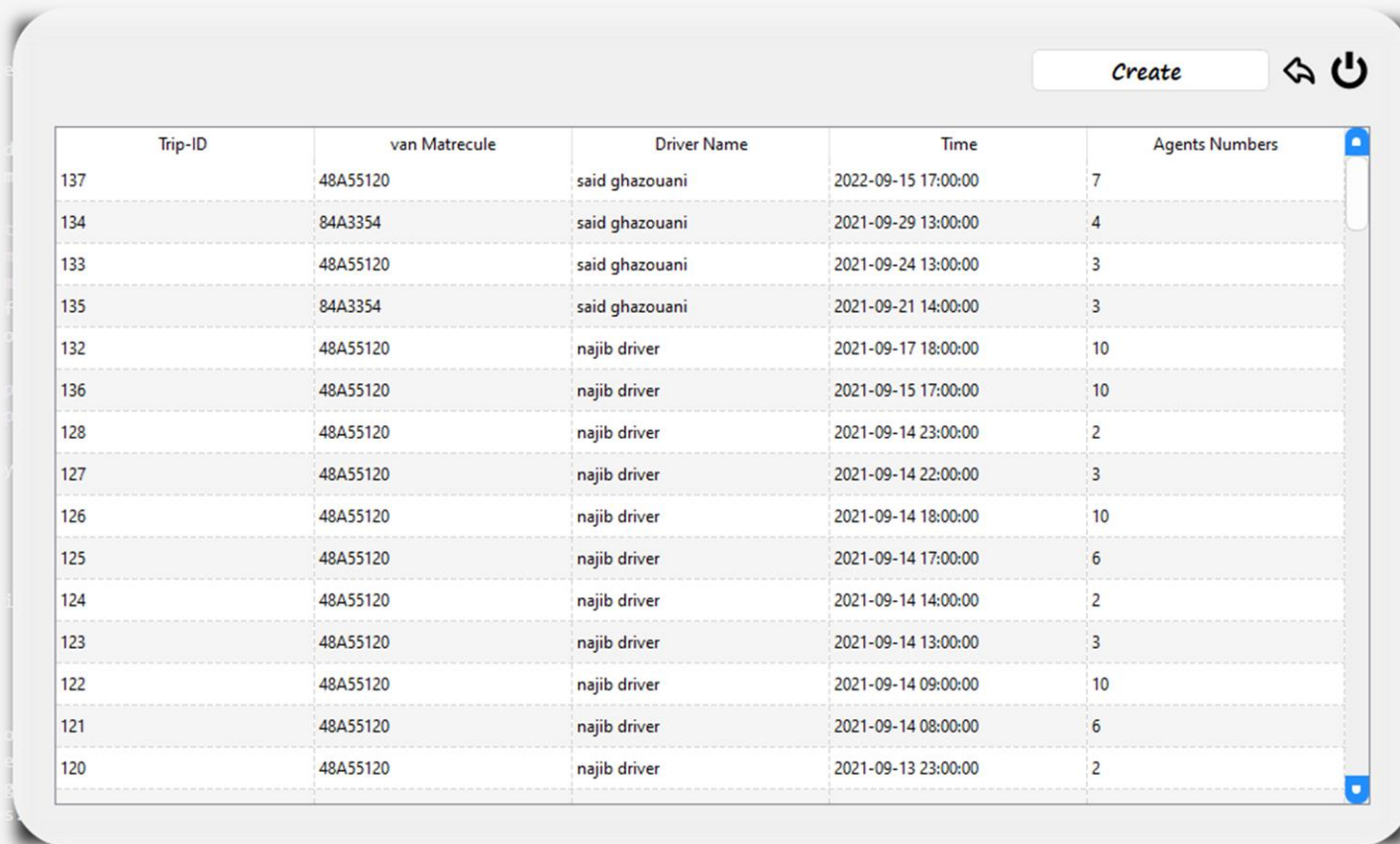| Trip-ID	van Matrecule	Driver Name	Time	Agents Numbers
137	48A55120	said ghazouani	2022-09-15 17:00:00	7
134	84A3354	said ghazouani	2021-09-29 13:00:00	4
133	48A55120	said ghazouani	2021-09-24 13:00:00	3
135	84A3354	said ghazouani	2021-09-21 14:00:00	3
132	48A55120	najib driver	2021-09-17 18:00:00	10
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

Create

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.
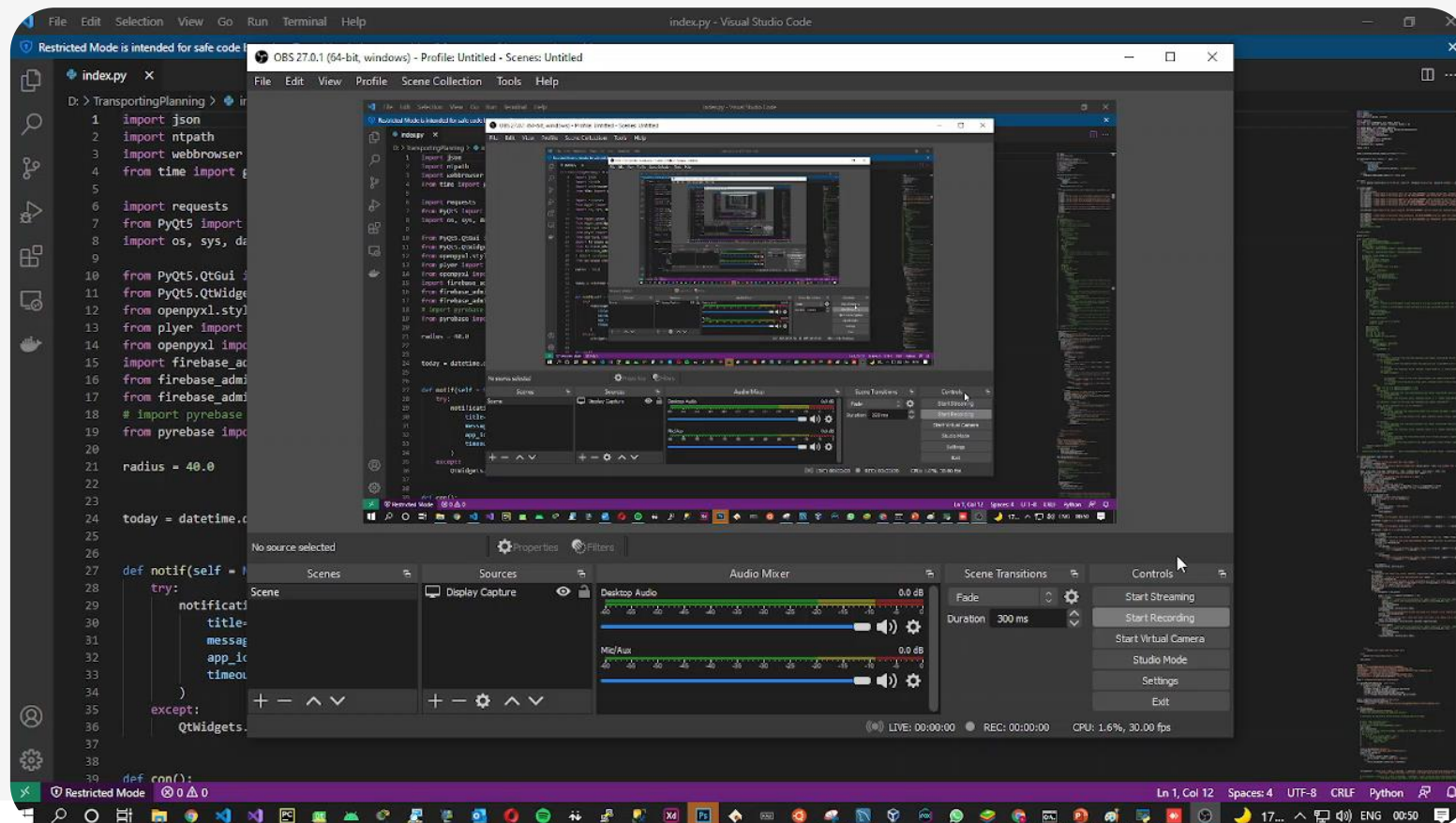
How it Works? Part 5-2

Trip View Page :

▪ Click Export and get a excel file ready to print by the names of agents for that trip (see the video).
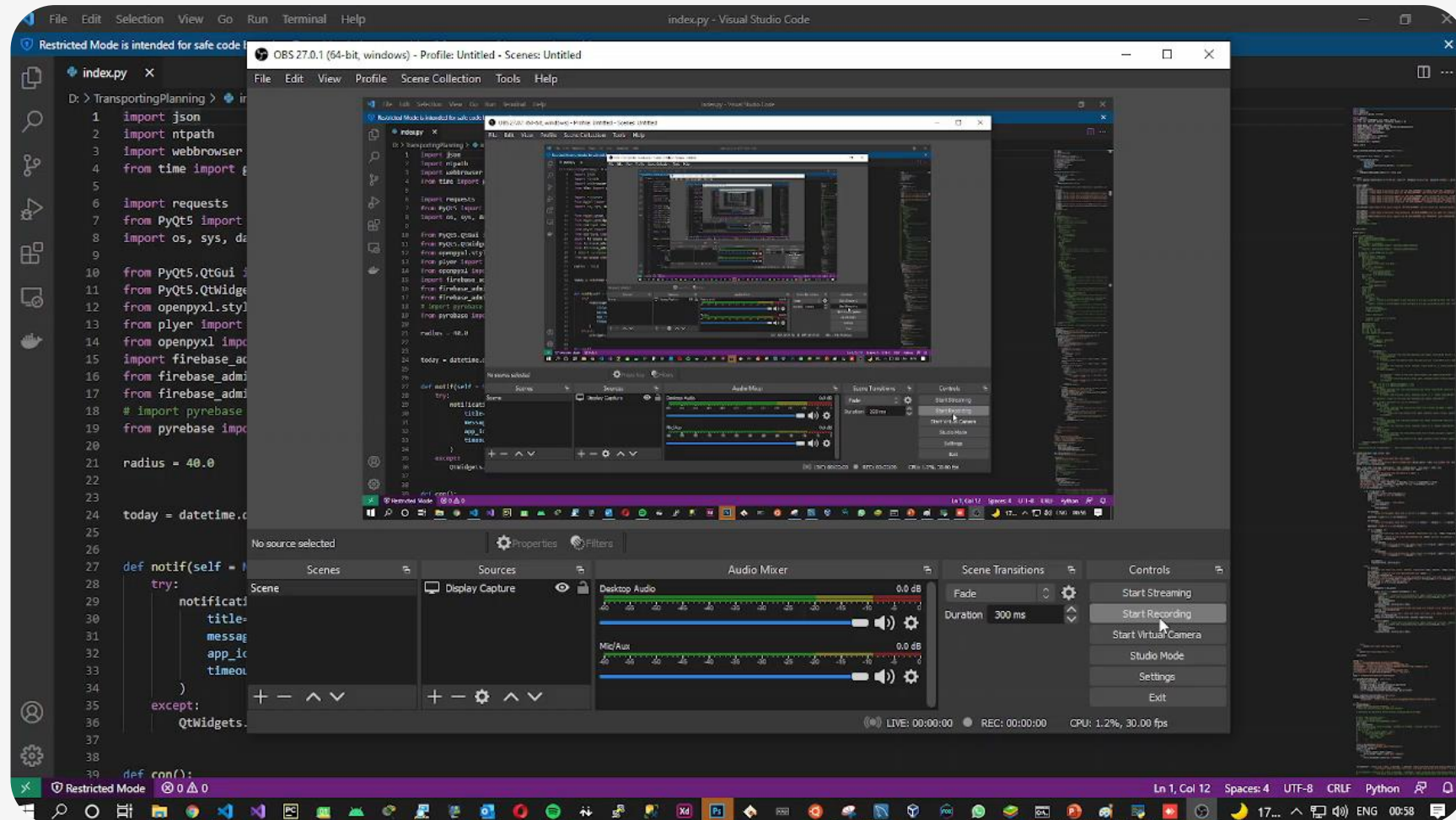
How it work ? Part 6

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

1

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
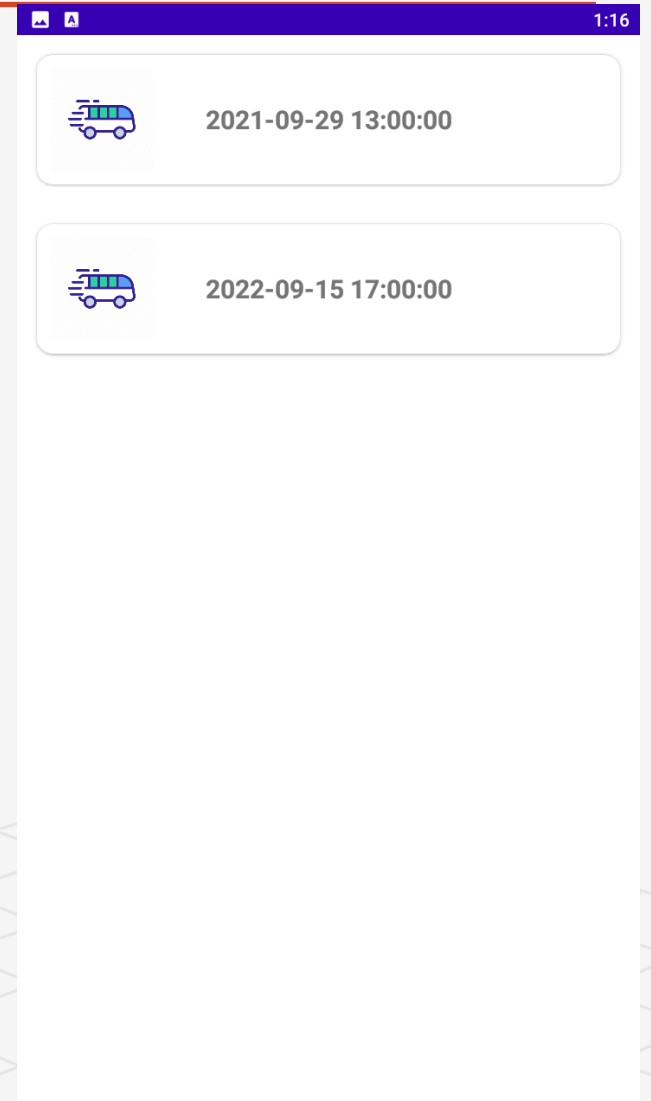
How it work ? Part 6

1 **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 atrip 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 came at the time.

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

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🚐	**2021-09-29 13:00:00**

🚐	**2022-09-15 17:00:00**

1:16

How it Works ? Part 7 Simulation .
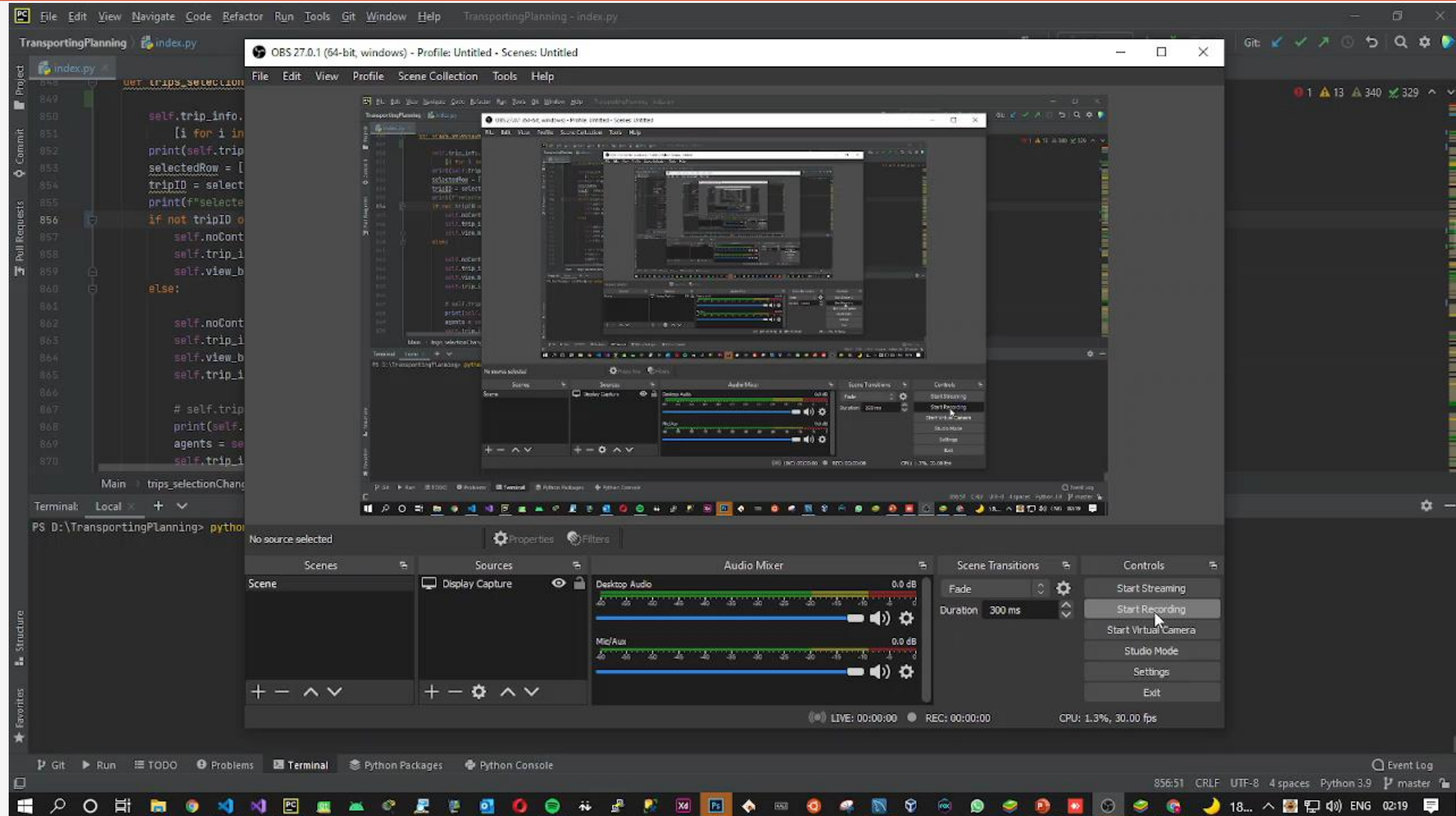
More Infos about STM Project?

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

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