# USER MANUAL : COURSEWORK 2 (20478461)

We have asked to create a project which is to create a usable end to end system that will allow officers to record and retrieve information about vehicles, people, and traffic incidents.
To implement it, I have used the Database file which was being provided with some alterations. I have implemented a Nottingham Transport Council (NTC) Roadways Management system which has the functionalities such as inserting new vehicle according to the vehicle Registration number, adding People, auditing, adding fine by the admin and further a lot more functionalities are been described extensively.

Now that we have a basic understanding of what the end-to-end website entails, let us move on to the step-by-step user manual.
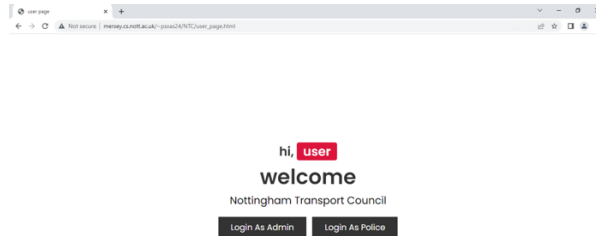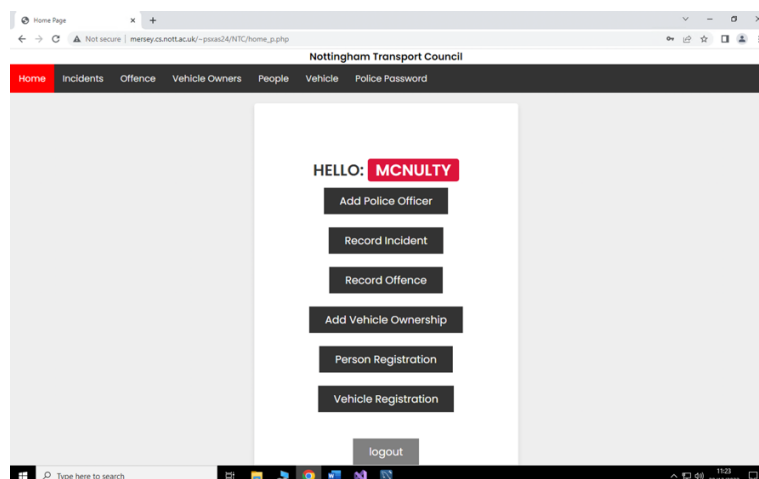

1st page

Step 1) In the first step, you will see a user page with one option for system admin authentication and another option for transport police authentication. Some functionalities in the police login are restricted for the police to access, whereas an admin login has access to all of the system's functionalities.
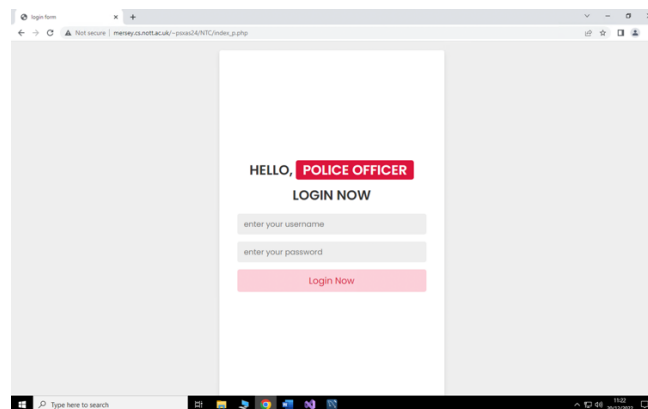
Login police

Home page

Step 2) Now that you're aware of both authentications, let's proceed by assuming you've logged in as a Police Officer. You can change old password to a new password by accessing the "The change password police" tab where you will have to enter your username, password and your new password to change your old password.

Change password

Step 3) Additionally, for the police officer to review the people presented in the database by clicking on the "People" tab, where he will be able to see all of the people present in the database. Furthermore, after selecting the "Search" tab, he will be able to search the database for people by licence number or name. To go back, there's a 'back' tab to go rollback to the previous tab.
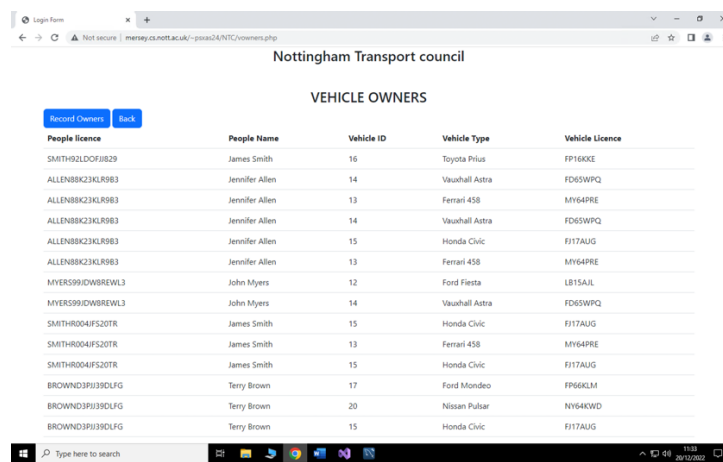

People table

Search people

Step 4) Moving on, the police officer can get a more in-depth look at the vehicle owners listed in the database by clicking on the "Vehicle" tab. There, the police officer can get a detailed overview of the vehicles in the database and search for the owner's licence and name by using the vehicle's licence number.
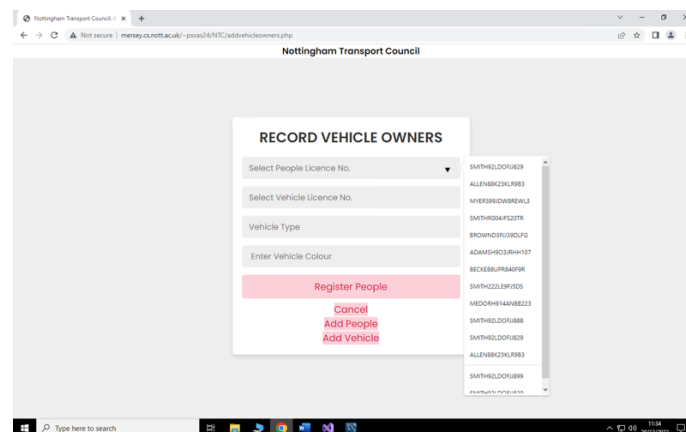

Vehicle owners

Step 5) For the upcoming step, To enter a new vehicle entry in the database, the police should click on "Vehicle owners" tab where the police can see all the Vehicle owner's table extensively. Additionally, by clicking on the "Record Owners" tab, the Police Officer can add a vehicle Owner. The Police can add a Vehicle Owner in the "add vehicle owners" page

Validations are already available on the page via a drop down menu. If a Vehicle or People licence is not present, the police officer can enter data into the Add People's and Vehicle's Tabs. The technical manual will explain the functionality.

Record vehicle Owners

Step 6) To proceed, the police can view the Incident Report under the "Incident" tab.
Additionally, he can add an Incident Report via the "Record Incident" Tab, with validations provided by Vehicle Licence and People Licence, both of which can be present in the form. If the Vehicle Licence and People Licence are not present, the police should create a vehicle owner using the current functionalities on the home page. And vehicle Owners table.

Record fine by admin

Step 7) We went over the website functionalities that the police officer can use. Furthermore, if an administrator logs into the system, he has access to all of the functionalities available in the police login as well as the ability to create police users by accessing the "Add Police Officer's tab" in the home page. Furthermore, only an administrator can add Fine to the database via the "Add Fine's tab" as well as by clicking on the "Fine" tab on the navbar.

Record fine

Step 8) Finally, in the final step, Once a user, whether admin or police, enters the system, all of his activity is recorded in the audit tab, which is accessible to the admin. The rest information is given in the technical file.

Audit log

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