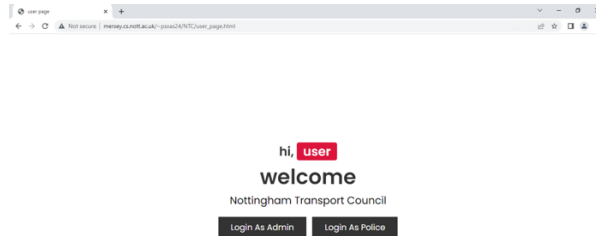


## USER MANUAL : COURSEWORK 2 (20478461)

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.

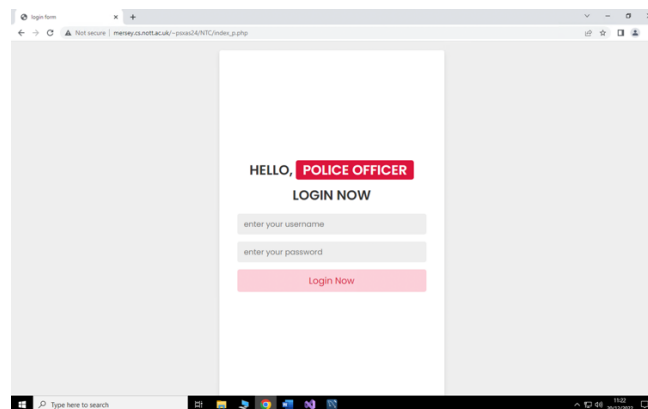
To implement it, I have used the Database file which was being provided with some alterations. I have implemented a Nottingham Transport Council (NTC) Roadways Management system which has the functionalities such as inserting new vehicle according to the vehicle Registration number, adding People, auditing, 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.

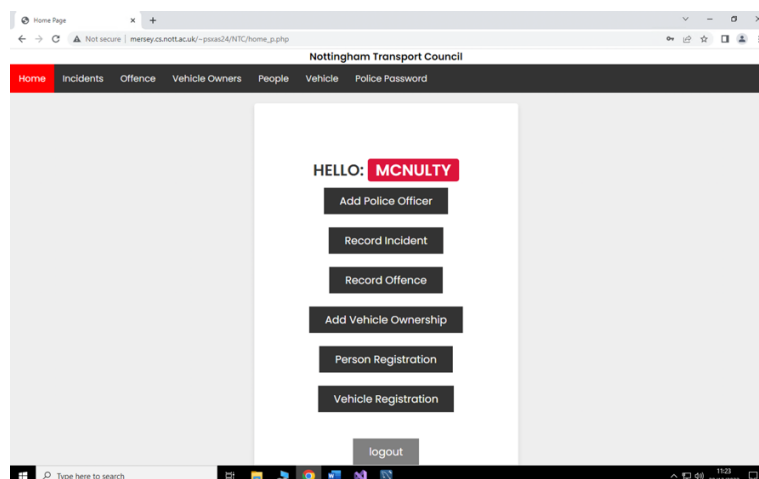


1<sup>st</sup> page

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.

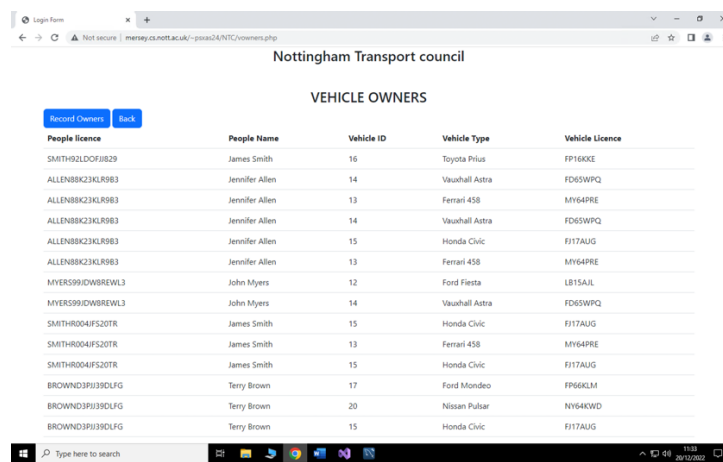
People ID	People Name	People Address	People Licence
1	James Smith	23 Barnsdale Road, Leicester	SMITH92LDOFJR29
2	Jennifer Allen	46 Bramcote Drive, Nottingham	ALLEN88K23KL983
3	John Myers	323 Derby Road, Nottingham	MYERS99JDWBREWL3
4	James Smith	26 Devonshire Avenue, Nottingham	SMITHR004JFS20TR
5	Terry Brown	7 Clarke Rd, Nottingham	BROWN039IJ39ULFG
6	Mary Adams	38 Thurman St, Nottingham	ADAMSH903JRH1107
7	Neil Becker	6 Fairfax Close, Nottingham	BECKE88UP840F9R
8	Angela Smith	30 Avenue Road, Grantham	SMITH222LE9TJ5D5
9	Xene Medora	22 House Drive, West Bridgford	MEDORH914ANB8223
16	raman	bengal	SMITH92LDOFJR888
17	aditya	mumbai	SMITH92LDOFJR829
18	aditya	mumbai	ALLEN88K23KL983

People table

People_ID	People_name	People_address	People_licence
1	James Smith	23 Barnsdale Road, Leicester	SMITH92LDOFJR29
4	James Smith	26 Devonshire Avenue, Nottingham	SMITHR004JFS20TR

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.

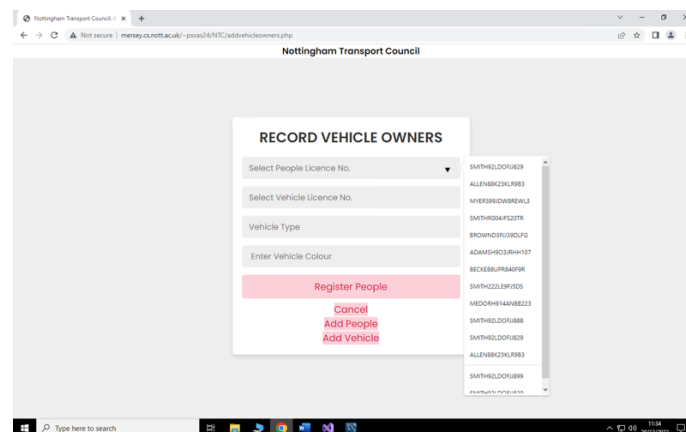


People Licence	People Name	Vehicle ID	Vehicle Type	Vehicle Licence
SMITH92LDOFJ829	James Smith	16	Toyota Prius	FP16KKE
ALLEN88K23KL983	Jennifer Allen	14	Vauxhall Astra	FD65WPQ
ALLEN88K23KL983	Jennifer Allen	13	Ferrari 458	MY64PRE
ALLEN88K23KL983	Jennifer Allen	14	Vauxhall Astra	FD65WPQ
ALLEN88K23KL983	Jennifer Allen	15	Honda Civic	FJ17AUG
ALLEN88K23KL983	Jennifer Allen	13	Ferrari 458	MY64PRE
MYERS99ICWBREW13	John Myers	12	Ford Fiesta	LB15AUL
MYERS99ICWBREW13	John Myers	14	Vauxhall Astra	FD65WPQ
SMITHR004F520TR	James Smith	15	Honda Civic	FJ17AUG
SMITHR004F520TR	James Smith	13	Ferrari 458	MY64PRE
SMITHR004F520TR	James Smith	15	Honda Civic	FJ17AUG
BROWND3PIJ39DLFG	Terry Brown	17	Ford Mondeo	FP66KLM
BROWND3PIJ39DLFG	Terry Brown	20	Nissan Pulsar	NY64KWD
BROWND3PIJ39DLFG	Terry Brown	15	Honda Civic	FJ17AUG

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.

Nottingham Transport Council

### RECORD INCIDENT

Select People Licence No.

Select Vehicle Licence No.

dd/mm/yyyy

enter Incident Report

Register People

Add People

Back

Vehicle Licence Numbers:

- U815AL
- M164PRE
- FD63WPK
- F117ALUG
- FP16KKE
- FP66KJM
- D1145LE
- NV54K9MD
- EC160EA
- AD233NG
- F117ALUG
- NV54K9MD

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.

Nottingham Transport Council

### RECORD FINE

enter Fine

enter Fine Points

enter Incident ID

Register People

Cancel

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.

Nottingham Transport council

### AUDIT

Home Search

Session ID	Session Name	Time Stamp	Action
1	mcrufty	2022-12-19 20:54:04	Admin Signed in
2	daniels	2022-12-19 22:24:54	Admin Signed in
3	daniels	2022-12-19 22:25:28	Admin Signed in
4		2022-12-19 22:28:56	Incident Added
5	daniels	2022-12-19 22:30:10	Incident Added
6	daniels	2022-12-19 22:32:28	Incident Added
7	daniels	2022-12-19 22:35:45	Client Added
8	daniels	2022-12-19 22:39:51	Fine Added
9	daniels	2022-12-19 22:41:27	Vehicle Owner Added
10		0000-00-00 00:00:00	Vehicle Added
11	daniels	2022-12-19 22:46:09	Vehicle Added
12	daniels	2022-12-19 23:28:44	Admin Signed in
13	mcrufty	2022-12-19 23:37:20	Admin Signed in
14	daniels	2022-12-19 23:52:22	Admin Signed in

Audit log