

1. Once you open the index.html in you server, you will see:

Welcome to the Traffic management database

DIS COMP 4039 MANAGEMENT SYSTEM	
LOGIN	
Please enter username and password.	
User Name:*	<input type="text" value="McNulty"/>
Password:*	<input type="password" value="....."/>
<input type="button" value="LOGIN"/>	<input type="button" value="RESET"/>

This the log in page. You can get the User name and password from the database I give to you.

Try 'McNulty' and 'plod123'.

2. Once you log in you will see:

Functions of this system	
1	EDIT PASSWORD
2	Query People Information
3	Query Vehicle Information
4	Add Vehicle Information
5	Add Incident
6	Create Account
7	Add Fines
<input type="button" value="LOG OUT"/>	

This is the function page. There are 7 functions, the last two is only for admin. You can check this user state also from database, table Officers, last column.

3.

1	EDIT PASSWORD
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Changing the password if you want.

If you do not type anything, there will be an alert.

mersey.cs.nott.ac.uk says
Password must be filled out

OK

mersey.cs.nott.ac.uk says
Password must be the same

OK

Type the password that you want now.

User name: McNulty

[Back to function page](#)

Password:
Type your Password again:
<div>SUBMIT</div> <div>RESET</div>

Type the password that you want now.

User name: McNulty

[Back to function page](#)

Password:

Type your Password again:

<div>SUBMIT</div> <div>RESET</div>

The password you want to change should match.

mersey.cs.nott.ac.uk says
Are you sure you want to change your password?

OK

Cancel

Once you change your password, you will log out automatically.

Welcome to the Traffic management database

Please relogin this system!

DIS COMP 4039 MANAGEMENT SYSTEM	
LOGIN	
Please enter username and password.	
User Name:*	<input type="text"/>
Password:*	<input type="password"/>
<div>LOGIN</div>	<div>RESET</div>

4. ² [Query People Information](#)

You can type either name or people license.

Query People Information

Please type either name or licence number

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QUERY

RESET

People_ID	People_name	People_address	People_licence
1	James Smith	23 Barnsdale Road, Leicester	SMITH92LDOFJJ829
4	James Smith	26 Devonshire Avenue, Nottingham	SMITHR004JFS20TR
8	Angela Smith	30 Avenue Road, Grantham	SMITH222LE9FJ5DS

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[Query Vehicle Information](#)

You can type plate license to look up vehicle information.

Query Vehicle Information

Please type vehicle licence plate

[Back to function page](#)

QUERY

RESET

Vehicle_ID	Vehicle_Make	Vehicle_type	Vehicle_colour	Vehicle_licence	Owner	Owner_licence
16	Toyota	Toyota Prius	Silver	FP16KKE	James Smith	SMITH92LDOFJJ829
17	Ford	Ford Mondeo	Black	FP66KLM	Terry Brown	BROWND3PJ39DLFG

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[Add Vehicle Information](#)

Before you add Vehicle, we need to confirm this person is in the database or not.

Add a new vehicle to a person
---Before you do that please let us know if the person is already in this system---
<input type="text" value="Type the owner name first"/>
<p>SEARCH RESET</p>
Back to function page

So, type the person's name first.

Add a new vehicle to a person			
---Before you do that please let us know if the person is already in this system---			
<input type="text" value="James"/>			
<input type="button" value="SEARCH"/> <input type="button" value="RESET"/>			
Back to function page			

1	James Smith	SMITH92LDOFJJ829	<input type="button" value="CHOOSE"/>
4	James Smith	SMITHR004JFS20TR	<input type="button" value="CHOOSE"/>

Now there are two James, you can choose one of them by click choose button.

When you click the second choose, it will show new blanks for your to fill.

1	James Smith	SMITH92LDOFJJ829	<input type="button" value="CHOOSE"/>
4	James Smith	SMITHR004JFS20TR	<input type="button" value="CHOOSE"/>
What kind of car do you want to assign to James Smith:SMITHR004JFS20TR?			
Plate number	Make	Model	Colour
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="button" value="CONFIRM"/>			

What kind of car do you want to assign to James Smith:SMITHR004JFS20TR?			
Plate number	Make	Model	Colour
<input type="text" value="JAMENEW"/>	<input type="text" value="AUDI"/>	<input type="text" value="AUDIS6"/>	<input type="text" value="BLACK"/>
<input type="button" value="CONFIRM"/>			

When you click confirm. The process done.

And a new car appears:

66	JAMENEW	AUDI	AUDIS6	BLACK
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Also with the ownership table updated:

People_ID	Vehicle_ID
4	15
4	13
1	16
2	14
5	17
6	18
7	21
NULL	NULL
43	59
46	61
4	66

NO SUITABLE RECORDS

If you click :

This means although the person have same name, he still not in this system.

This **James Smith** is not in the database please input complete personal information

Plate number	Make	Model	Colour	Owner	License number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	James	<input type="text"/>

ADD

CLEAR

GO TO FORMER PAGE

As you can see, the Owner name has already been put. Now you just need to input information to add the new car to new James.

It will alarm you if you do not follow the rule:

This **James Smith** is not in the database please input complete personal information

mersey.cs.nott.ac.uk says

There are must be a combination of 7 letters and numbers!

Plate number	Make	Model	Colour	Owner	License number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	James	<input type="text"/>

OK

This **James Smith** is not in the database please input complete personal information

mersey.cs.nott.ac.uk says

You must input enough info of the vehicle!

Plate number	Make	Model	Colour	Owner	License number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	James	<input type="text"/>

OK

ADD

CLEAR

GO TO FORMER PAGE

If you put some name which is not in this system, then it will guide you directly to the add page:

This **asdfasg** is not in the database please input complete personal information

Plate number	Make	Model	Colour	Owner	License number
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	asdfasg	<input type="text"/>

ADD

CLEAR

GO TO FORMER PAGE

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5	Add Incident
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Search Date or Incident Content

SEARCH INCIDENT

RESET

CREATE NEW INCIDENT

The left button is for searching existing incidents. If you type nothing it won't work.

mersey.cs.nott.ac.uk says

You must input some text to search incident

OK

Search Date or Incident Content

SEARCH INCIDENT

RESET

CREATE NEW INCIDENT

Type 12 to get incident that happened on December:

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SEARCH INCIDENT

RESET

CREATE NEW INCIDENT

Incident_ID	Vehicle_ID	People_ID	Incident_Date	Incident_Report	Offence_ID	Operation
1	15	4	2017-12-01	40mph in a 30 limit	1	EDIT
8	21	7	2021-12-11	Neil Backer drive fast	12	EDIT

You can also click EDIT button.

However, you only allowed to change date and incident report because they are not foreign keys.

Original attributes of Incident ID:1				
Vehicle_ID	People_ID	Incident_Date	Incident_Report	Offence_ID
15	4	2017-12-01	40mph in a 30 limit	1
You can only change Date and Report				
Vehicle_ID	People_ID	Incident_Date	Incident_Report	Offence_ID
<input type="text"/>	<input type="text"/>	<input type="text" value="dd/mm/yyyy"/>	<input type="text"/>	<input type="text"/>
<div>SUBMITRESET</div>				
To the former page.				

Other inputs are disabled.

Give you alert if you want to update.

mersey.cs.nott.ac.uk says
Are you sure to update information?
OKCancel

Vehicle_ID	People_ID	Incident_Date	Incident_Report	Offence_ID
15	4	2017-12-01	40mph in a 30 limit	1
You can only change Date and Report				
Vehicle_ID	People_ID	Incident_Date	Incident_Report	Offence_ID
<input type="text"/>	<input type="text"/>	<input type="text" value="01/07/2019"/>	<input type="text" value="40mph in a 100 limit"/>	<input type="text"/>
<div>SUBMITRESET</div>				
To the former page.				

successful

Original attributes of Incident ID:1				
--------------------------------------	--	--	--	--

You can also click the right button.

[Back to function page](#)

Search Date or Incident Content

SEARCH INCIDENTRESETCREATE NEW INCIDENT

Vehicle Plate	Person License	Incident Date	Incident Report	Offence
LB15AJL	SMITH92LDOFJJ829	dd/mm/yyyy		Speeding
NO MATCHING VEHICLE PLATE	NO MATCHING PERSON LICENSE	SUBMIT		

In this area, you need to choose suitable Plate and Person License, if they are not in the system, click the button below.

Vehicle Plate

LB15AJL

LB15AJL
MY64PRE
FD65WPQ
FJ17AUG
FP16KKE
FP66KLM
DJ14SLE
NY64KWD
BC16OEA
AD223NG
3333333
heshang
JAMENEW

Person License

SMITH92LDOFJJ829

SMITH92LDOFJJ829
ALLEN88K23KLR9B3
MYERS99JDW8REWL3
SMITHR004JFS20TR
BROWND3PJJ39DLFG
ADAMSH9O3JRH107
BECKE88UPR840F9R
SMITH222LE9FJ5DS
MEDORH914ANBB223
xiaoli360
a
heshangyekaiche

NO MATCHING VEHICLE PLATE

Click this will guide to the old page:

Add a new vehicle to a person

---Before you do that please let us know if the person is already in this system---

Type the owner name first

SEARCHRESET

[Back to function page](#)

Now you can do what I told you before.

NO MATCHING PERSON LICENSE

Click here

will guide to this page:

You need to Add new person to the database

To former page

Name	Address	Licence
<input type="text" value="Name"/>	<input type="text" value="Address"/>	<input type="text" value="Licence"/>
<div><input type="button" value="ADD NEW PERSON"/> <input type="button" value="CLEAR"/></div>		

Only Name and Licence are required.

You need to Add new person to the database

To former page

Name	Address	Licence
<input type="text" value="Name"/>	<input type="text" value="Address"/>	<input type="text" value="Licence"/>
<div><input type="button" value="ADD NEW PERSON"/> <input type="button" value="CLEAR"/></div>		

! Please fill in this field.

You need to Add new person to the database

To former page

Name	Address	Licence
<input type="text" value="xiaoyuan"/>	<input type="text" value="Address"/>	<input type="text" value="Licence"/>
<div><input type="button" value="ADD NEW PERSON"/> <input type="button" value="CLEAR"/></div>		

! Please fill in this field.

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Create Account

This function is only for admin. If you are not admin:

mersey.cs.nott.ac.uk says
You have no access to do this!

OK

If you are:

Please create a new user.	
Username	<input type="text"/>
Password	<input type="password"/>
Check Password	<input type="password"/>
State	<div>admin ▼</div>
<div>SUBMIT RESET</div>	
Back to function page	

Also, type the name twice and choose the state.

mersey.cs.nott.ac.uk says
Please input username!

OK

Please create a new user.	
Username	<input type="text"/>
Password	<input type="password"/>
Check Password	<input type="password"/>
State	<div>admin ▼</div>
<div>SUBMIT RESET</div>	
Back to function page	

Let me show you how to add a new account:

Please create a new user.	
Username	<input type="text" value="Sun"/>
Password	<input type="password" value="..."/>
Check Password	<input type="password" value="..."/>
State	<div>officer ▼</div>
<div>SUBMITRESET</div>	
Back to function page	

mersey.cs.nott.ac.uk says

Create Successfully!

OK

As you see, Sun is added:

8	Sun	123	officer
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7

Add Fines

Add Fine		
Fine_Amount	Fine_Points	Incident_ID
<input type="text"/>	<input type="text"/>	<div>1 ▼</div>
<div>SUBMITRESET</div>		
Back to function page		

If you try to choose the Incident which has already been fined, you will defeat:

Add Fine		
Fine_Amount	Fine_Points	Incident_ID
<input type="text" value="-10"/>	<input type="text" value="1"/>	<input type="text" value="4"/>
<div><div>Value must be greater than or equal to 0.</div><div><div>SUBMIT</div><div>RESET</div></div></div>		
Back to function page		