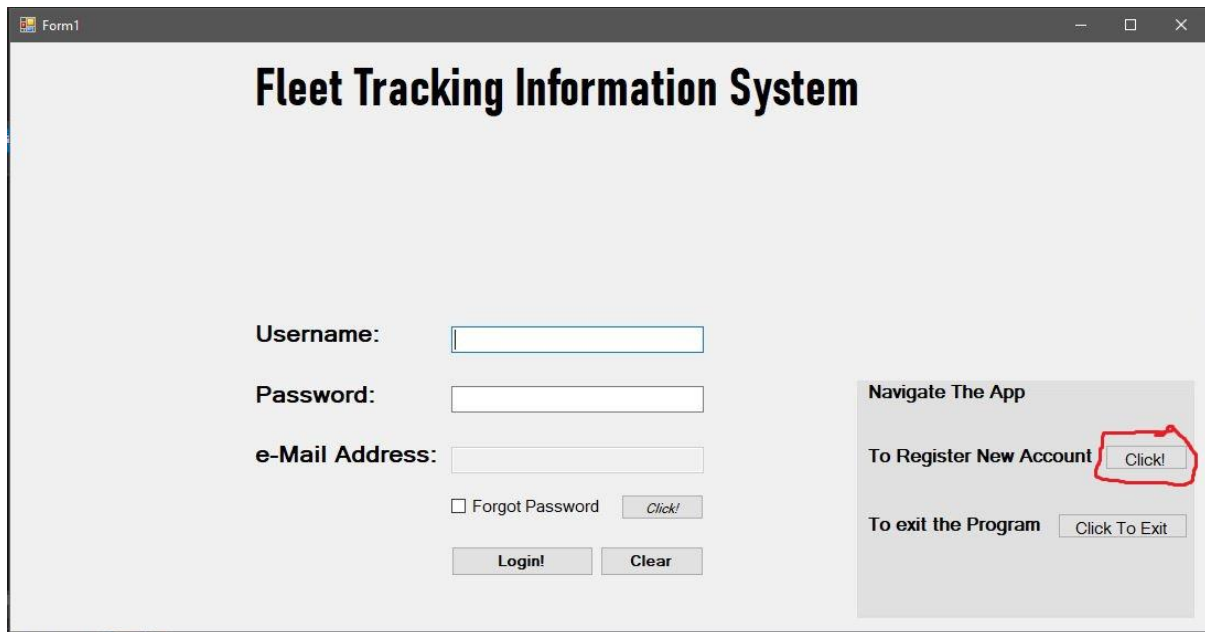


# Fleet Tracking System User Guide

a.



The screenshot shows a Windows application window titled "Form1". The main title of the application is "Fleet Tracking Information System". Below the title, there are three input fields for "Username:", "Password:", and "e-Mail Address:". Below the "e-Mail Address" field, there is a checkbox labeled "Forgot Password" and a "Click!" button. At the bottom of the login section, there are two buttons: "Login!" and "Clear". On the right side of the window, there is a panel titled "Navigate The App". It contains two options: "To Register New Account" with a "Click!" button (which is highlighted with a red circle), and "To exit the Program" with a "Click To Exit" button.

This is the first screen of the application where the user will login when they want to use the application to its fully functional state.

Before any user can login they must register an account with their details so the user must click the highlighted button to go to a screen where he/she will register his details as a user of the application.

b.

RegisterForm

## Fleet Tracking Information System

### Add New User Account 1

Username:

Password:

Re-Enter Password:

e-Mail Address:

Navigate To Login Menu 2

To Login Menu

1. The user first registers their credentials on relevant textboxes and clicks the “click to create button” to successfully create an account with the system.
2. If the user has entered all details correctly then they can navigate back to the login form by clicking the button highlighted with the no2.

C.

Form1

## Fleet Tracking Information System

Username:

Password:

e-Mail Address:

☐ Forgot Password

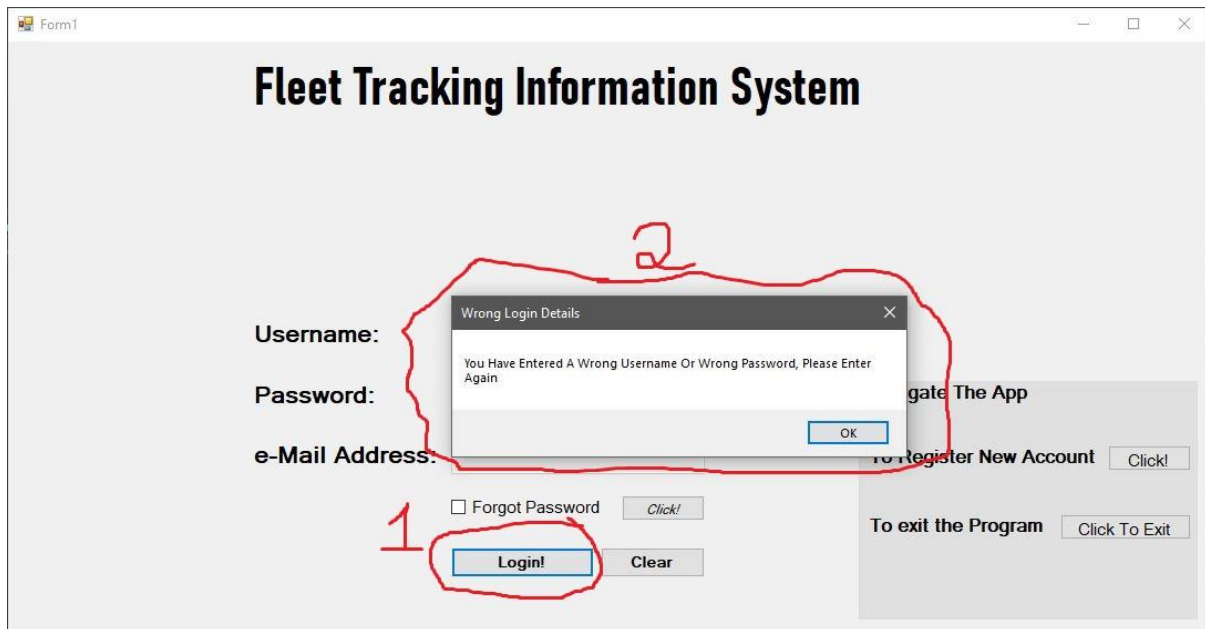
Navigate The App

To Register New Account

To exit the Program

The user then enters their username and password in the relevant textboxes in the login form and clicks the “Login” button to access the system

d.



1. when the user clicks the “login” button one of two possibilities will occur, if the user entered correct details then he or she will be able to access the system’s main menu and have access to the system.

2. if the user entered incorrect details then the user will see a pop up message box stating he/she has entered wrong information on which he/she must get correct before he/she has access to the system.

e.

The screenshot shows a web application window titled "Form1" with the main heading "Fleet Tracking Information System". Below the heading is a login form with three input fields: "Username:", "Password:", and "e-Mail Address:". Below the "e-Mail Address:" field is a checkbox labeled "Forgot Password" and a "Click!" button. At the bottom of the form are "Login!" and "Clear" buttons. A pop-up dialog box titled "User Enquiring The Details On forgot Password" is open, containing the text "Enter Email Address To Receive User Details" and an "OK" button. Red handwritten numbers 1, 2, 3, and 4 are used as annotations: 1 points to the "Forgot Password" checkbox, 2 points to the "Click!" button, 3 points to the "e-Mail Address:" input field, and 4 points to the pop-up dialog box. To the right of the login form is a sidebar titled "Navigate The App" with two links: "To Register New Account" (with a "Click!" button) and "To exit the Program" (with a "Click To Exit" button).

1. In order to recover the forgotten details the user must check the “forgot password” combo box highlighted with the no1, then click the button highlighted with the no2, to enable the e-mail address textbox and allow him to enter his/her e-mail address and recover the login details to the system.
  2. The user will enter his/her e-mail address on the textbox highlighted with the no3 and also a pop-Up message box highlighted by no4 will appear alerting the user that he/she must enter an e- mail address to recover his/her login details.
- f.

The screenshot shows the 'Fleet Tracking Information System' login interface. A message popup titled 'Message To The Forgot Password User' is displayed, showing 'Your Username is mb' and 'Your Password is 112'. The popup is highlighted with a red circle and the number 3. The login form has fields for 'Username:', 'Password:', and 'e-Mail Address:'. The 'e-Mail Address' field contains 'mv@gmail.com' and is highlighted with a red circle and the number 2. Below the email field is a checkbox for 'Forgot Password' which is checked, and a 'Click!' button next to it, which is highlighted with a red circle and the number 1. There are 'Login!' and 'Clear' buttons at the bottom. On the right, there is a 'Navigate The App' section with buttons for 'To Register New Account' and 'To exit the Program'.

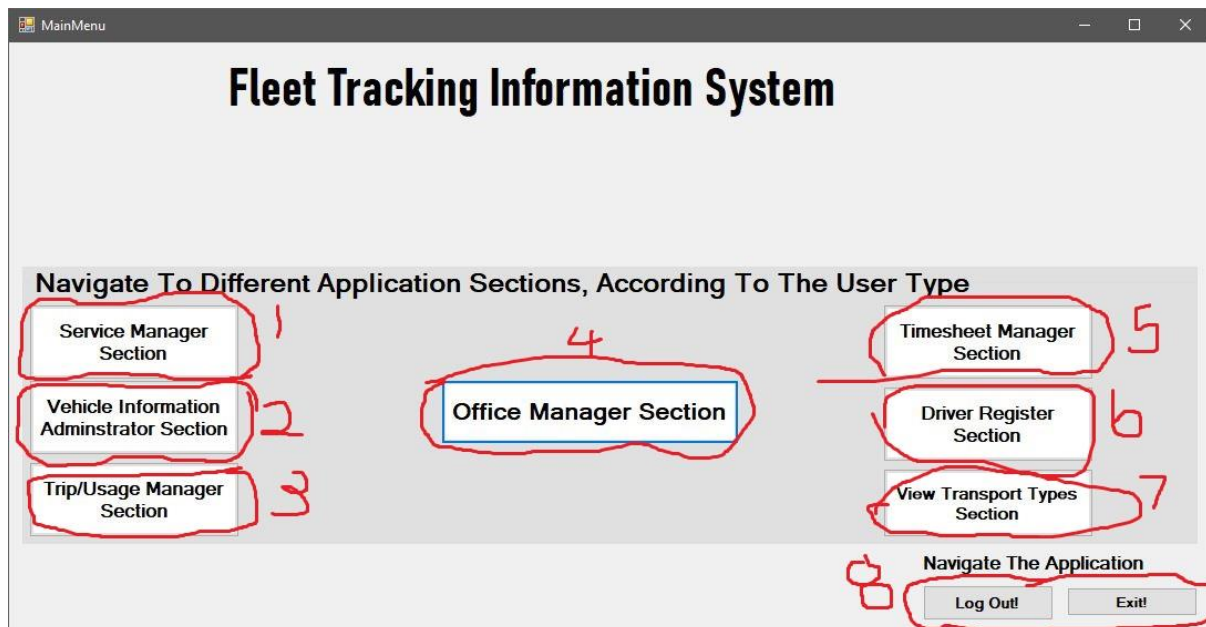
1. After the user enters a correct email address in the textbox highlighted by no2 then the user clicks the button highlighted by no1 to recover their login credentials.
2. A popup message box will appear highlighted by no3 showing the user their registered credentials which will allow them to login into the system to have full access to the system.

g.

The screenshot shows the 'Fleet Tracking Information System' login interface. The 'Username' field contains 'mb' and the 'Password' field contains '112'. These two fields are highlighted with a red circle. The 'e-Mail Address' field is empty. There is a checkbox for 'Forgot Password' which is unchecked, and a 'Click!' button next to it. There are 'Login!' and 'Clear' buttons at the bottom. On the right, there is a 'Navigate The App' section with buttons for 'To Register New Account' and 'To exit the Program'.

If the user enters correct login details then the user will click the “Login” button which will re-direct him/her to the main menu of the application.

h.



1. The main menu of the application has a variety of buttons that lead to different forms relevant to the button’s information. the user can click any button to go to any category of the application or if the wants to log out, he or she can click the buttons highlighted by no8. The “Log out ” button will return the user to the login form of the application and the “exit” button will exit the application.

I.

MainMenu

## Fleet Tracking Information System

Navigate To Different Application Sections, According To The User Type

Service Manager Section

Vehicle Information Administrator Section

Trip/Usage Manager Section

Office Manager Section

Timesheet Manager Section

Driver Register Section

View Transport Types Section

Navigate The Application

Log Out! Exit!

If the user clicks the highlighted button then he/she will be navigated to the “Service Manager section” form where all things are related to vehicle servicing.

j.

ServiceManagerForm

## Fleet Tracking Information System

Vehicle No: 7

Service Type: Major Check

Appointment Date And Time: Check engine and tyres

Work To Be Completed: in optimum condition and replace tyres

Submit! Clear!

Search For Data Update

Generate Report Section

Service job Sheet Report

Generate Report! Print Report!

Navigate The Application

To Main Menu Click Here!

To Log Out Click!

Exit Here Exit!

In this form if the user wants to enter a new record then the user enters information in the relevant textboxes and the clicks the “Submit ” button below the textboxes.

k.



The screenshot shows the 'ServiceManagerForm' window for the 'Fleet Tracking Information System'. The form includes fields for 'Vehicle No:' (containing '7'), 'Service Type:' (a dropdown menu showing 'Major Check'), 'Appointment Date And Time:', and 'Work To Be Completed:'. A 'Search For Data' field with an 'Update' button is also present. A 'Data Validation Message' popup is centered on the screen, asking 'Are You Sure With The Values You Want To Enter' with 'Yes' and 'No' buttons. To the right, there is a 'Generate Report Section' with a 'Service job Sheet Report' and buttons for 'Generate Report!' and 'Print Report!'. Below this is a 'Navigate The Application' section with links for 'To Main Menu' (Click Here!), 'To Log Out' (Click!), and 'Exit Here' (Exit!).

After the user enters text in the relevant textboxes and clicks the “Login” button then a popup message box will appear to confirm with the user if he/she is sure about the data he/she wants to save into the database. If the user clicks ‘yes’ the data is saved into the database and if the user clicks ‘no’ then all the textboxes are erased and the user is given another chance to enter correct data into the textboxes.

L.

The screenshot shows the 'ServiceManagerForm' window for the 'Fleet Tracking Information System'. The form includes fields for 'Vehicle No:' (containing 'enter values from 1'), 'Service Type:' (a dropdown menu), 'Appointment Date And Time:', and 'Work To Be Completed:'. A 'Search For Data' field with an 'Update' button is also present. Below the form is a table with the following data:

VehicleNo	ServiceType	AppointmentDateAndTime	WorkToBeCompleted
2	Tyre Check	Monday 12 January 2021, 09h00 am	check tyre pressure and refill tyre
3	Major Check	Friday 15 January 2021, 07h00 am	Full Vehicle Scan For any kind of damage
4	Tyre Check	Wednesday 15 January 2021, 09h30 am	check tyre pressure and replace tyres
5	Oil Check	02 February 2021, 12h30pm	Check oil vessels and replace if necessary
6	Engine Check	16 January 2021, 14h00 pm	check oil vessels and replace if necessary

To the right, there is a 'Generate Report Section' with a 'Service job Sheet Report' and buttons for 'Generate Report!' and 'Print Report!'. Below this is a 'Navigate The Application' section with links for 'To Main Menu' (Click Here!), 'To Log Out' (Click!), and 'Exit Here' (Exit!).



When the user wants to generate a report to view the data inserted in the database then the user clicks the “Generate Report” button to view the database table and table will appear in the grid below .

m.

VehicleNo	Service Type	Appointment Date/And Time	WorkToBeCompleted
5	Oil Check	02 February 2021, 12h30pm	Check oil vessels and replace if necessary

If the user wants to search for a specific record then the user enter the primary key value into the highlighted textbox, which will show the specified record if the primary key is saved into the database and if the specified primary key has no record in the database then no record will appear.

n.

**Fleet Tracking and Maintenance System**

Vehicle No:

Service Type:

Appointment Date And Time:

Work To Be Completed:

Search For Data

**Generate Report Section**

**Service job Sheet Report**

**Navigate The Application**

To Main Menu

To Log Out

Exit Here

VehicleNo	ServiceType	Appointment DateAndTime	WorkToBeCompleted
5	Oil Check	02 February 2021, 12h30pm	Check oil vessels and replace if necessary

**Record Updated Successfully**

1. If the user wants to update records that are stored in the database then the user first enters the data they would like stored in the database in the textboxes highlighted by no1, then the user enters the primary key for the record they would like to update in the database in the textbox highlighted by no2.
2. Then the user clicks the “Update” button in the highlighted no2 area to update the record and a popup message box highlighted by no3 will appear to confirm that the record has been successfully updated in the database.

0.

**Fleet Tracking Information System**

Vehicle No:

Service Type:

Appointment Date And Time:

Work To Be Completed:

Search For Data

VehicleNo	ServiceType	AppointmentDateAndTime	WorkToBeCompleted
3	Major Check	Friday 15 January 2021, 07h00 am	Full Vehicle Scan For any kind of damage
4	Tyre Check	Wednesday 15 January 2021, 09h30 am	check tyre pressure and replace tyres
5	Tyre Check	02 February 2021, 12h30pm	Check tyre pressure and Refill tyres
6	Engine Check	16 January 2021, 14h00 pm	check oil vessels and replace if necessary
*			

**Generate Report Section**

**Service job Sheet Report**

**Navigate The Application**

To Main Menu

To Log Out

Exit Here

Then the user will click the highlighted button “Generate report” to view the updated record in the database table that will appear in the grid box below.

p.

**Fleet Tracking Information System**

Vehicle No:

Service Type:

Appointment Date And Time:

Work To Be Completed:

Search For Data

VehicleNo	ServiceType	AppointmentDateAndTime	WorkToBeCompleted
3	Major Check	Friday 15 January 2021, 07h00 am	Full Vehicle Scan For any kind of damage
4	Tyre Check	Wednesday 15 January 2021, 09h30 am	check tyre pressure and replace tyres
5	Tyre Check	02 February 2021, 12h30pm	Check tyre pressure and Refill tyres
6	Engine Check	16 January 2021, 14h00 pm	check oil vessels and replace if necessary
*			

**Generate Report Section**

**Service job Sheet Report**

**Navigate The Application**

To Main Menu

To Log Out

Exit Here

Then if the user is done with service manager form, they can navigate back to the main menu by clicking the button highlighted by no2 which will lead the user to the main menu of the application and if the user want to log out they can also click the relevant buttons according to their desires in the navigate the application Panel.

q.

MainMenu

## Fleet Tracking Information System

Navigate To Different Application Sections, According To The User Type

Service Manager Section 1

Vehicle Information Administrator Section 2

Trip/Usage Manager Section 3

Office Manager Section 4

Timesheet Manager Section 5

Driver Register Section 6

View Transport Types Section 7

Navigate The Application

Log Out! Exit!

In the main menu again the user can click any button according to the form of the application they would like to access, let's say the user clicks the button highlighted by no2 in the form then the user will go to the "Vehicle Information Administration form" of the application.

r.

VehicleInformationAdministratorForm

## Fleet Tracking Information System

Vehicle No: enter values from 1

Registration No:

Vehicle Type:

Manufacturer:

Engine Size:

Current Odometer:

Next (in Use) Odometer:

Generate Report Section

Vehicle Status Report

Generate Report Print Report

Search For Data Update! Confirm Clear!

ID	RegistrationNo	VehicleType	Manufacture	EngineSize	CurrentOdometerRe	NextServiceOdometerRear
1	AA 62 BB GP	Taxi 8 - 15 seater	Toyota	250 hz	1000	1200
2	BA BB AB L	8 - 15 seater	Iveco	300hz	2000	2200
3	HH AA BB MP	16 - 20 seater	Man	280 hz	2300	2600
4	NN OO TT MP	Heavy Duty Deliv...	Man	450hz	11000	12000
5	BB AA AC L	8 - 15	hyundai	230 hz	1230	1270

Navigate The Application

To Main Menu Click Here!

To Log Out Click!

Exit Here Exit!

The form will appear and if the user wants to view the currently stored database records then the user can click the highlighted button to view the records stored in the database.

s.

**Fleet Tracking Information**

Vehicle No: 7  
 Registration No: AB 66 DC MP  
 Vehicle Type: (8 - 15 seater)  
 Manufacturer: Toyota  
 Engine Size: 220hz  
 Current Odometer: 1000  
 Next (in Use) Odometer: 1200

Search For Data

ID	RegistrationNo	VehicleType	Manufacture	EngineSize	CurrentOdometerRe	NextServiceOdometerReak
4	NN OO TT MP	Heavy Duty Deliv...	Man	450hz	11000	12000
5	BB AA AC L	8 - 15	hyundai	230 hz	1230	1270
6	BC AB CD MP	heavy Duty Truck	Renault	550hz	10000	13000

**Data Validation Message**  
 Are You Sure With The Values You Want To Enter

**Generate Report Section**  
 Vehicle Status Report

**Navigate The Application**  
 To Main Menu   
 To Log Out   
 Exit Here

All the forms follow a similar pattern of inserting data and updating records for a database. Here if the user wants to add a new record then he/she enters data in the area highlighted by the no1 and clicks the confirm button to save data into the database.

3. A popup message box will appear highlighted by no3 which will confirm with the user if he/she is sure about the data they want to save into the database. If the user clicks 'yes' then the data will be saved and a record will be created else if the user clicks the 'no' button the all the textboxes will be erased and the user will be given another chance to enter correct data into the relevant textboxes.

t.

VehicleInformationAdministratorForm

## Fleet Tracking Information System

Vehicle No:   
 Registration No:   
 Vehicle Type:   
 Manufacturer:   
 Engine Size:   
 Current Odometer:   
 Next (in Use) Odometer:

Search For Data

ID	RegistrationNo	Vehicle Type	Manufacture	EngineSize	CurrentOdometerRe	NextServiceOdometerReading
4	NN OO TT MP	Heavy Duty Deliv...	Man	450hz	11000	12000
5	BB AA AC L	8 - 15	hyundai	230 hz	1230	1270
6	BC AB CD MP	heavy Duty Truck	Renault	550hz	10000	13000
7	AB 66 DC MP	(8 - 15 seater)	Toyota	220hz	1000	1200

**Generate Report Section**

Vehicle Status Report

**Navigate The Application**

To Main Menu   
 To Log Out   
 Exit Here

1. After a record is created in the database then the user can view the inserted record by clicking the button highlighted by no1 which will show a database table in the grid below.
2. As you can see the newly created record appears on the area highlighted by no2 which contains all the data inserted in the textboxes above the grid.

U.

VehicleInformationAdministratorForm

## Fleet Tracking Information System

Vehicle No:   
 Registration No:   
 Vehicle Type:   
 Manufacturer:   
 Engine Size:   
 Current Odometer:   
 Next (in Use) Odometer:

Search For Data

ID	RegistrationNo	Vehicle Type	Manufacture	EngineSize	CurrentOdometerRe	NextServiceOdometerReading
7	AB 66 DC MP	(8 - 15 seater)	Toyota	220hz	1000	1200

**Generate Report Section**

Vehicle Status Report

**Navigate The Application**

To Main Menu   
 To Log Out   
 Exit Here

If the user wants to search a particular record then the user can enter the primary key value of the record he/she is looking for, all



primary keys are numbers and if a record for the specified primary key exists then the record will appear just like in the highlighted areas relatively. if a record for the specified primary key does not exist in the database then no record will appear in the grid below.

v.

The screenshot shows a web application titled "Fleet Tracking Information Administrator Form". It features a form for updating vehicle records, a search bar, a data grid, and a report generation section. Red annotations highlight specific areas:

- 1**: A red circle around the input fields for "Vehicle No:", "Registration No:", "Vehicle Type:", "Manufacturer:", "Engine Size:", and "Current Odometer:".
- 2**: A red circle around the "Search For Data" input field containing the value "7" and the "Update!" button.
- 3**: A red circle around the data grid showing a single record with ID 7.
- 4**: A red circle around the "Generate Report" button in the "Vehicle Status Report" section.
- 5**: A red circle around a small "Record Updated Successfully" dialog box with an "OK" button.

The data grid contains the following record:

ID	RegistrationNo	Vehicle Type	Manufacture	Engine Size	CurrentOdometerRe	NextServiceOdometerReading
7	AB 66 DC MP	(8 - 15 seater)	Toyota	220hz	1000	1200

1.If the user wants to update a particular record then he/she can enter the data of the record he/she wants to update according to the relevant textboxes he/she wants to update. The areas is highlighted by no1 were the user can enter data to update the database records.

2. then the user enters the primary key of the record they which to update in the database , this areas is highlighted by the no2 in the form. If the specified primary key value does not exist in the database then no record will appear in the grid below. The user must click the 'update' button in the area highlighted by no2 to update the specified database record.

3. the record appears below, as you can see in the area highlighted by no3 in the form



4. a popup message box will appear to confirm with the user that the record has been updated, you can see it highlighted by no5 on the form.

5. if the user wants to view the newly updated record then he/she can click the button highlighted by no4 which will show the updated database table for the form

W.

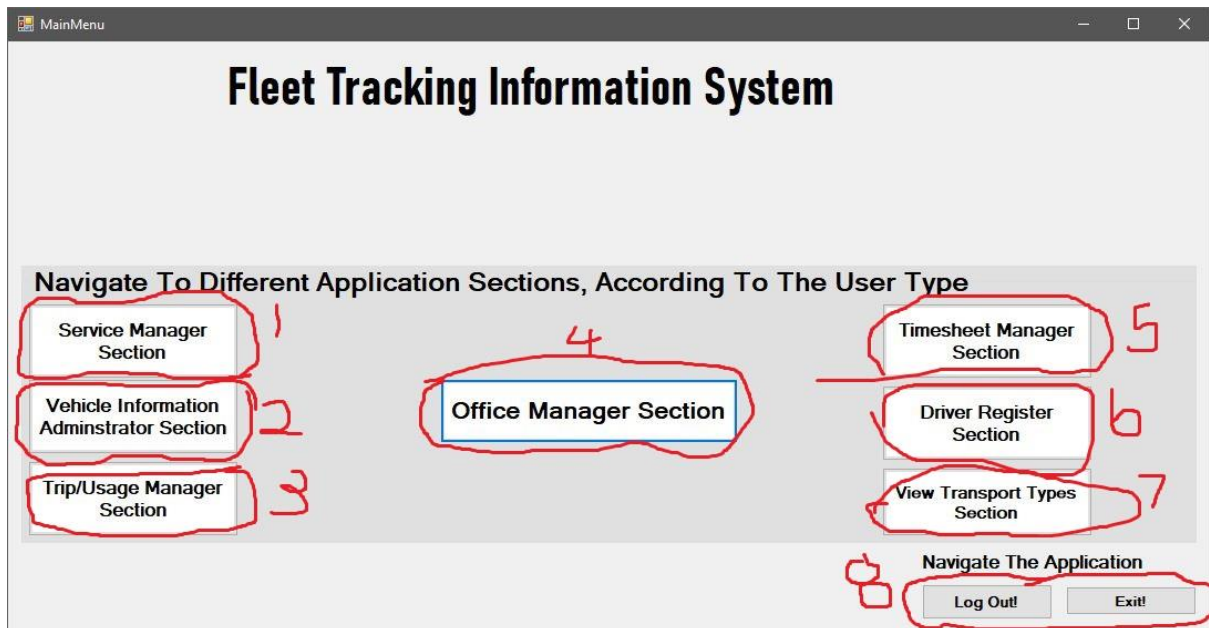
The screenshot shows the 'VehicleInformationAdministratorForm' window. The title bar reads 'VehicleInformationAdministratorForm'. The main title is 'Fleet Tracking Information System'. The interface includes several input fields for vehicle details: Vehicle No., Registration No., Vehicle Type, Manufacturer, Engine Size, Current Odometer, and Next (in Use) Odometer. A 'Search For Data' section contains a text box with the number '7' and buttons for 'Update!', 'Confirm', and 'Clear!'. A table displays vehicle records with columns: ID, RegistrationNo, VehicleType, Manufacture, EngineSize, CurrentOdometerRe, and NextServiceOdometerReading. The first row is highlighted. On the right, there are two panels: 'Generate Report Section' with 'Generate Report' and 'Print Report' buttons, and 'Navigate The Application' with 'Click Here!', 'Click!', and 'Exit!' buttons. Red annotations highlight the 'Generate Report' button (1), the search input '7' (2), and the 'Click Here!' button (3).

ID	RegistrationNo	VehicleType	Manufacture	EngineSize	CurrentOdometerRe	NextServiceOdometerReading
7	AB 66 DC MP	(8 - 20 seater)	Iveco	250hz	1000	1200
*						

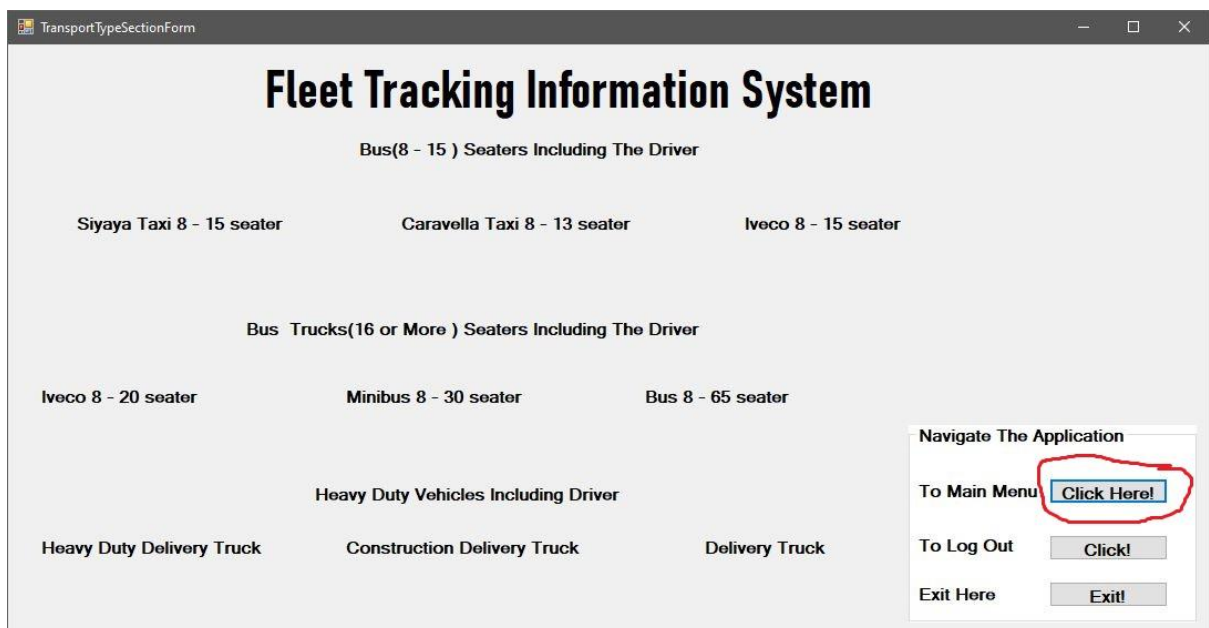
If the wants to view the newly updated record he/she can click the button highlighted by no1 in the form and he/she can search for the specified record using the primary key of that record which is highlighted by no2 on the form and the record will appear.

2. if the user wishes to navigate the application he / she can click a relevant button on the Navigate the Application panel. Lets say the user clicks the button highlighted by no3, then he/she will navigate to the main menu.

X.

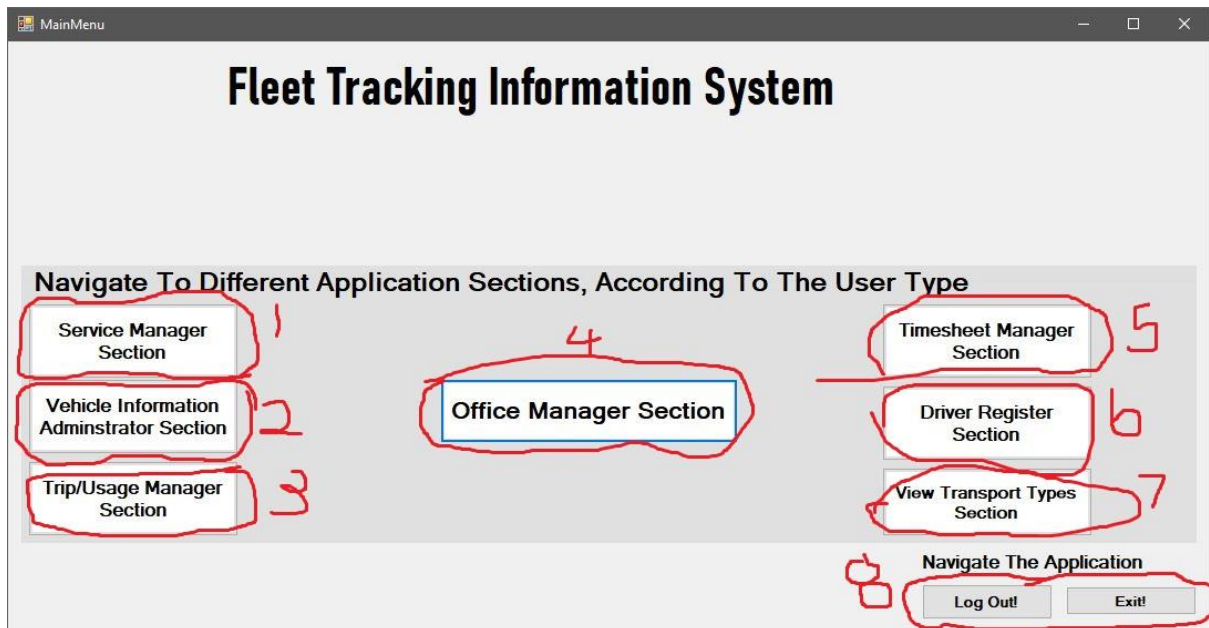


Here the user has the access to click which ever button they desire to navigate the application. Lets say the user clicks the button highlighted by no7,.



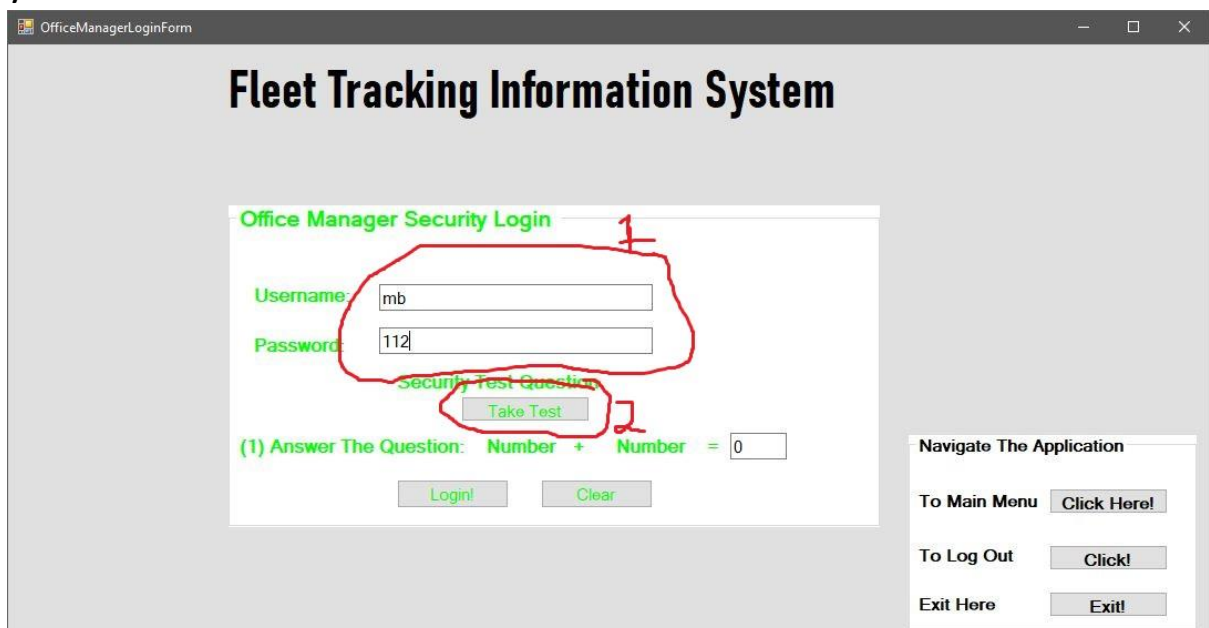
Then the user will be navigated to this form were he/she can see which type of transport they would like to lease and how many passengers does it carry depending on it work load.

Lets say the user then clicks the button highlighted in this then user will navigate back to the main menu of the application.



This is main menu of the main menu of the application where the user can access any form they would like to view/use. Let's say the user clicks the button highlighted by no4.

y.



the user will then be taken to another login form that is designed as a second security layer to distinguish an average user from the Office manager. In this form the office manager will enter their login details in the textboxes highlighted by no1 then click the button the button

highlighted by no2 to take a security test to make sure than if its not the Office manager then let user not have access to the application.

OfficeManagerLoginForm

## Fleet Tracking Information System

Office Manager Security Login

Username:

Password:

Security Test Question

(1) Answer The Question: 1 2 + 11

Navigate The Application

To Main Menu

To Log Out

Exit Here

The office manager will take a test and input their answer to a mathematical equation which is highlighted by no1, after clicking the button highlighted by no2, then the user will be able to login to the Office manager form if the answer is correct else he/she will be given another chance to enter the correct answer to login successfully into the application.

z.

OfficeManagerForm

## Fleet Tracking Information System

### Crystal Report For Office Manager

ID	DriverFullNames	DriverContactNo	DriverAddress	VehicleType	Manufacture	EngineSize	CurrentOdometerRk	NextServiceOdometer	ServiceType
1	Vusimuzi Mphela	0655880178	891 Kwaggafont...	Taxi 8 - 15 seater	Toyota	250 hz	1000	1200	Oil Check
2	Alexis Sanchez	0637211653	892 Kwagga C	8 - 15 seater	Iveco	300hz	2000	2200	Tyre Check
3	John Yakubu	098765445	857 Kwagga C	16 - 20 seater	Man	280 hz	2300	2600	Major Check
4	Alveis Clein	098767877	328 Kwagga A	Heavy Duty Deliv...	Man	450hz	11000	12000	Tyre Check
5	Alfred Klein	0890987642	882 Kwagga B	8 - 15	hyundai	230 hz	1230	1270	Tyre Check
6	Romelu Lukaku	0655880179	857 Kwaggafont...	heavy Duty Truck	Renault	550hz	10000	13000	Engine Check

Report Navigation Section

Navigate The Application

To Log Out

Exit Here

in this form the office manager will click the button by no1 to display a crystal report of the application that display all the database table columns from different forms in the application.

If the office wants maybe to edit a particular record from a particular form, then he/she has the ability to navigate to different forms according to his/her desires. He/she can click any button highlighted in the area highlighted by no2 to go to that particular form to insert or update records from that database table.

The application also allows the user to update records by inserting data one by one or in a group fashion.

**Fleet Tracking Information System**

**Crystal Report For Office Manager**

	Manufacture	EngineSize	CurrentOdometerRe	NextServiceOdometer	ServiceType	AppointmentDate/Time	WorkToBeCompleted	TripDestination	NumberOfKilometer	NumberOfKilometer	
▶	r	Toyota	250 hz	1000	1200	Oil Check	Monday , 01 Jan...	Check oil and rep...	KwaMhlanga	60	80
		Iveco	300hz	2000	2200	Tyre Check	Monday 12 Janu...	check tyre press...	KwaNdebele	100	100
		Man	280 hz	2300	2600	Major Check	Friday 15 January...	Full Vehicle Scan...	KwaMhlanga	80	80
	v...	Man	450hz	11000	12000	Tyre Check	Wednesday 15 J...	check tyre press...	Kwaggafontein	100	102
		hyundai	230 hz	1230	1270	Tyre Check	02 February 2021...	Check tyre press...	Lesotho	1200	1200
	sk	Renault	550hz	10000	13000	Engine Check	16 January 2021...	check oil vessels...	Kwaggafontein C	130	135

**Report Navigation Section**

Vehicle Information Administrator Report    Service Manager Report

Trip/Usage Manager Report    TimeSheet Report

**Navigate The Application**

To Log Out    **Click!**

Exit Here    **Exit!**

The office manager can scroll through the crystal report to view all the databases table column's in the report.

The office manager also has the ability to navigate to the login menu of the application by clicking the button highlighted by no2

Or exit the application by clicking the application by clicking the button highlighted by no3