

# Vehicle Recommendation System

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## USER GUIDE

WORKS BEST ON 1386 \* 768 SCREEN

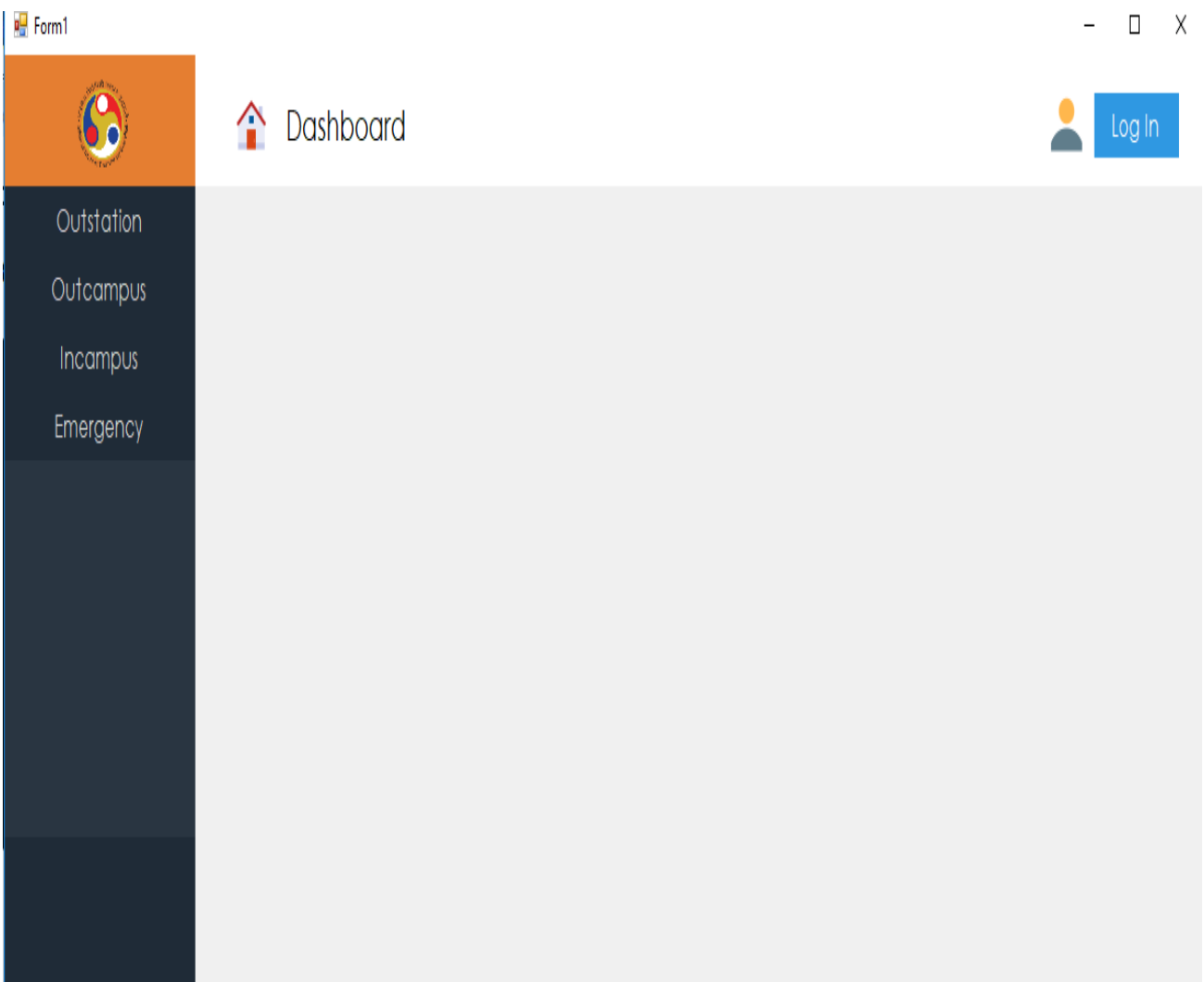
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## Homepage

In homepage on the left hand side there are four options for user outstation, outcampus, incampus and emergency. If you want to go to outstation click on outstation button same is for incampus, outcampus and emergency

In the top right side there is login button for cab driver, E-Rickshaw Driver and staff for logging in to their account.



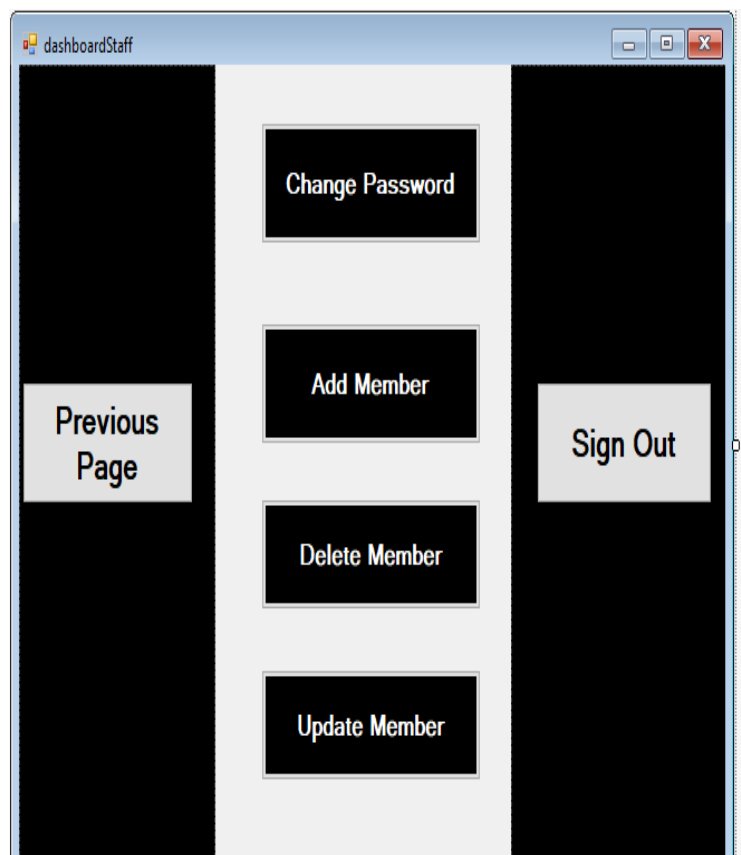
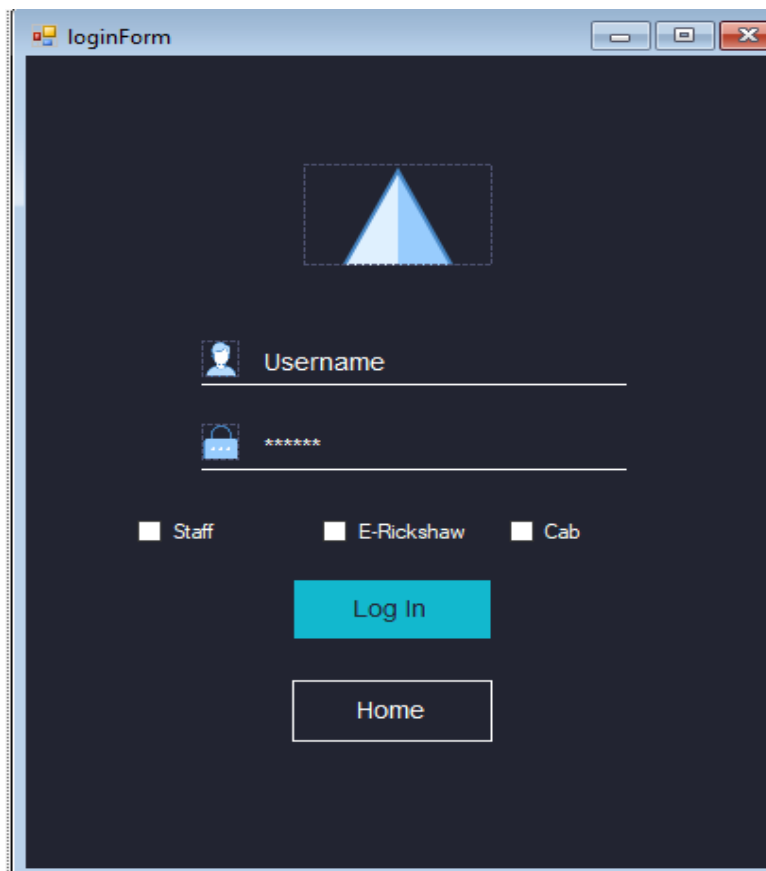
## Login

On clicking login button form (shown in image (at the bottom of page)) will appear. If you want to go to Homepage then click on “Homepage” Button.

There will be three checkboxes E-Rickshaw, cab and staff. Check the checkbox E-Rickshaw if you are e rickshaw driver, cab for cab driver and staff for staff members.

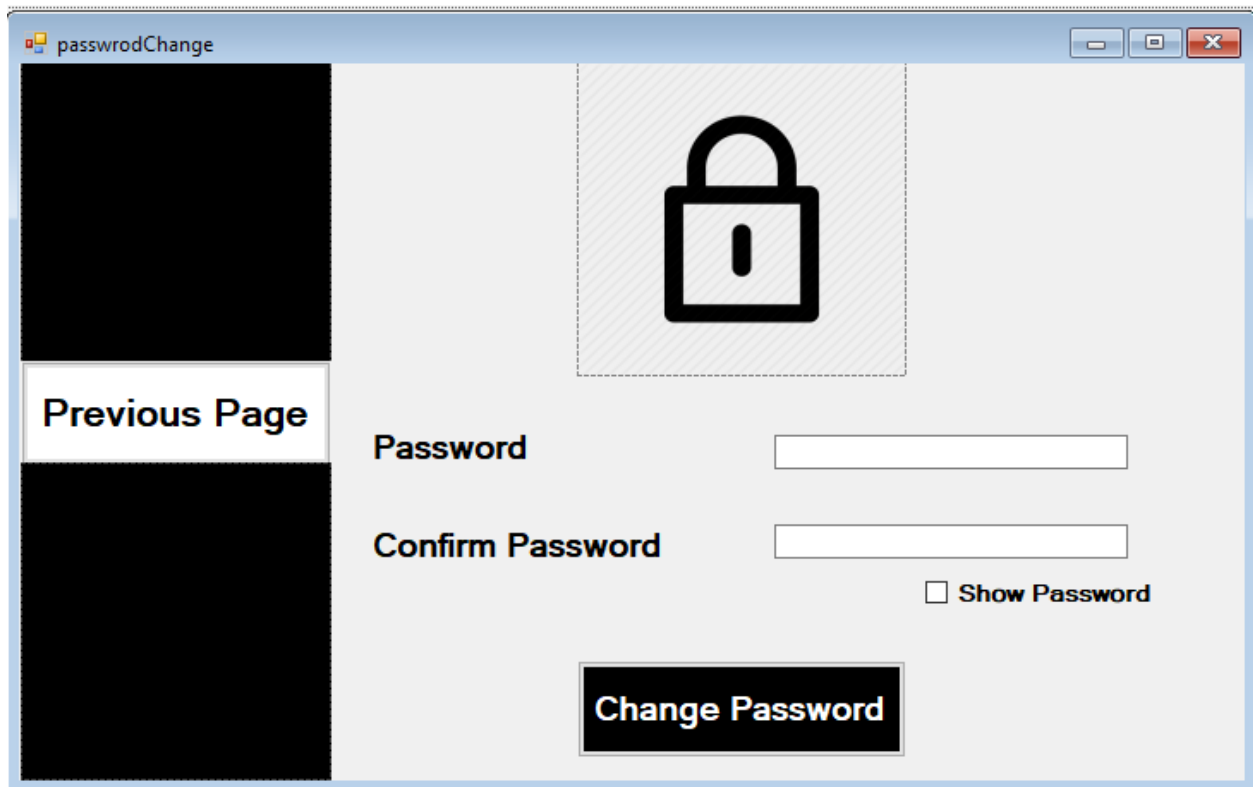
For logging in enter the name and password and click on “Login” Button.

On clicking “Login” button a windows form will come as shown in image below



## Change Password

In this windows form there is “Change Password” button on clicking on this button a new windows form will appear as shown below



The screenshot shows a Windows application window titled "passwdrodChange". On the left side, there is a vertical sidebar with a black background and a white button labeled "Previous Page". The main area of the window has a light gray background. At the top center of the main area is a large black padlock icon. Below the icon, there are two text labels: "Password" and "Confirm Password", each followed by a white text input field. To the right of the "Confirm Password" field is a checkbox labeled "Show Password". At the bottom center of the main area is a black button with the text "Change Password" in white.

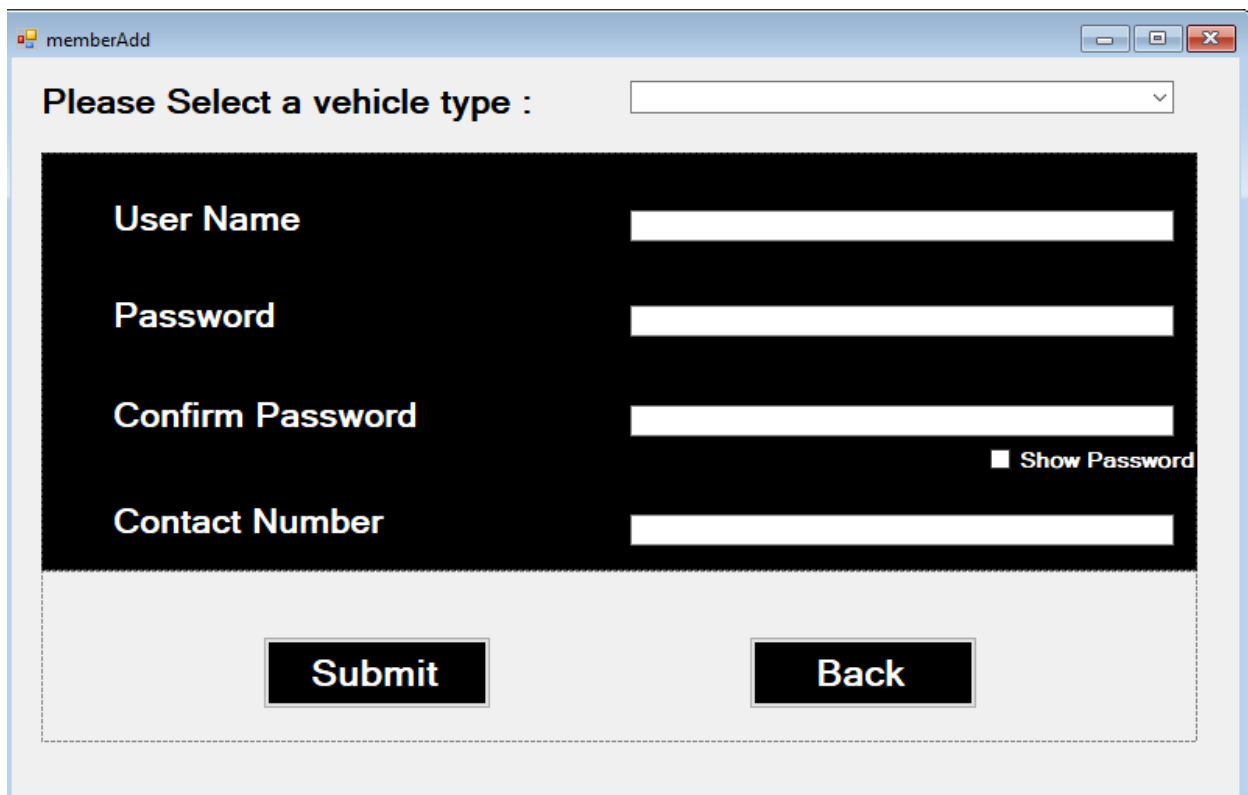
Cab driver and E-Rickshaw driver can change their password by typing their password in password textbox and then confirming it. They can see their password by checking on checkbox “Show Password”. On clicking “Change Password” password will be changed.

You can also go to Previous page by clicking on “Previous Page” Button

## Add Member

Through “Add Member” Button a staff user can add more cab drivers and e- rickshaw driver.

On Clicking “Add Member” button a new windows form will appear as shown below-



The screenshot shows a Windows-style application window titled "memberAdd". Inside the window, there is a form with the following elements:

- A label "Please Select a vehicle type :" followed by a dropdown menu.
- A dark gray rectangular area containing four input fields:
  - "User Name" with a text input field.
  - "Password" with a text input field.
  - "Confirm Password" with a text input field.
  - "Contact Number" with a text input field.
- A checkbox labeled "Show Password" located to the right of the "Confirm Password" field.
- At the bottom of the form, there are two buttons: "Submit" and "Back".

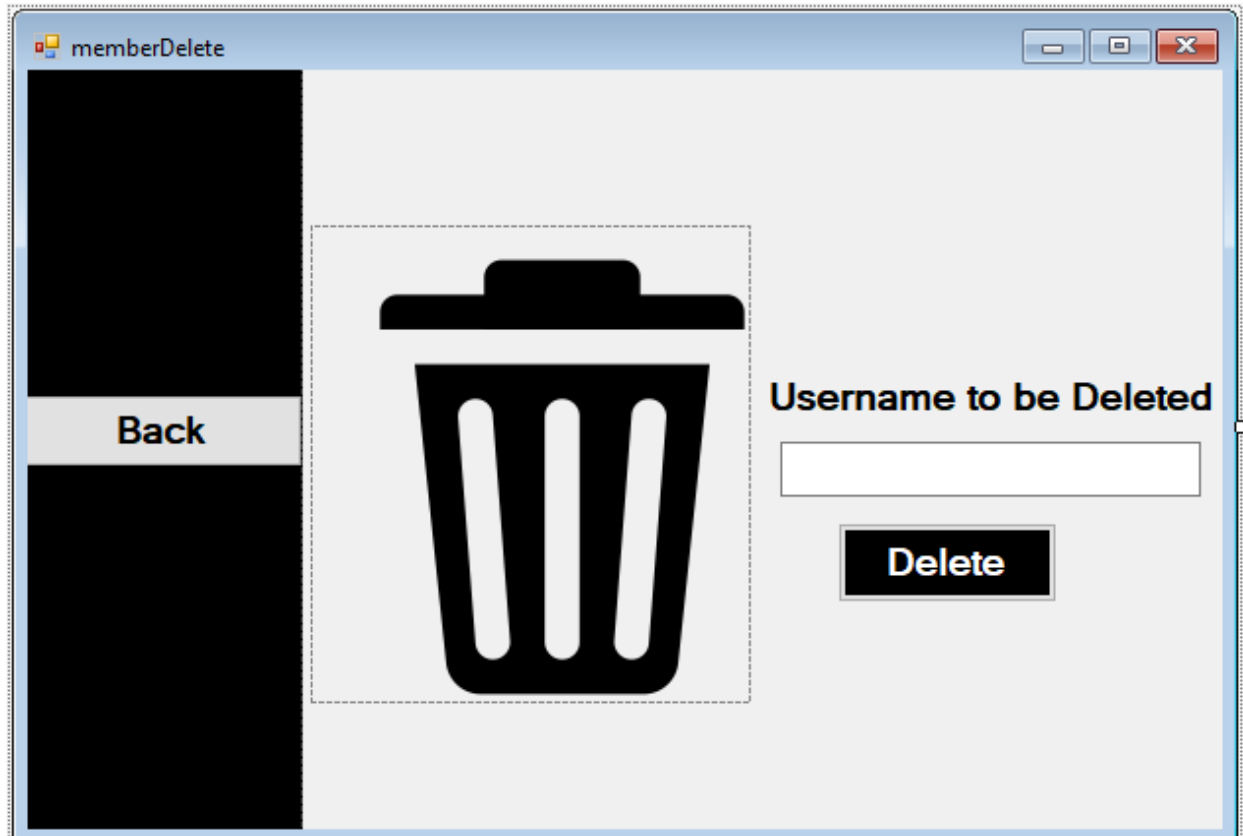
For adding new member a staff user can select the vehicle type of that member. Two types of vehicle type is provided e- rickshaw and cab. For adding new member type the username, password, confirm password and mobile number.

On clicking “Submit” a new member will be added. There is also a “Back” button through which you can go to previous windows form.

## Delete Member

Through “Delete Member” Button a staff user can delete existing account of cab drivers and e- rickshaw driver.

On Clicking “Delete Member” button a new windows form will appear as shown below-



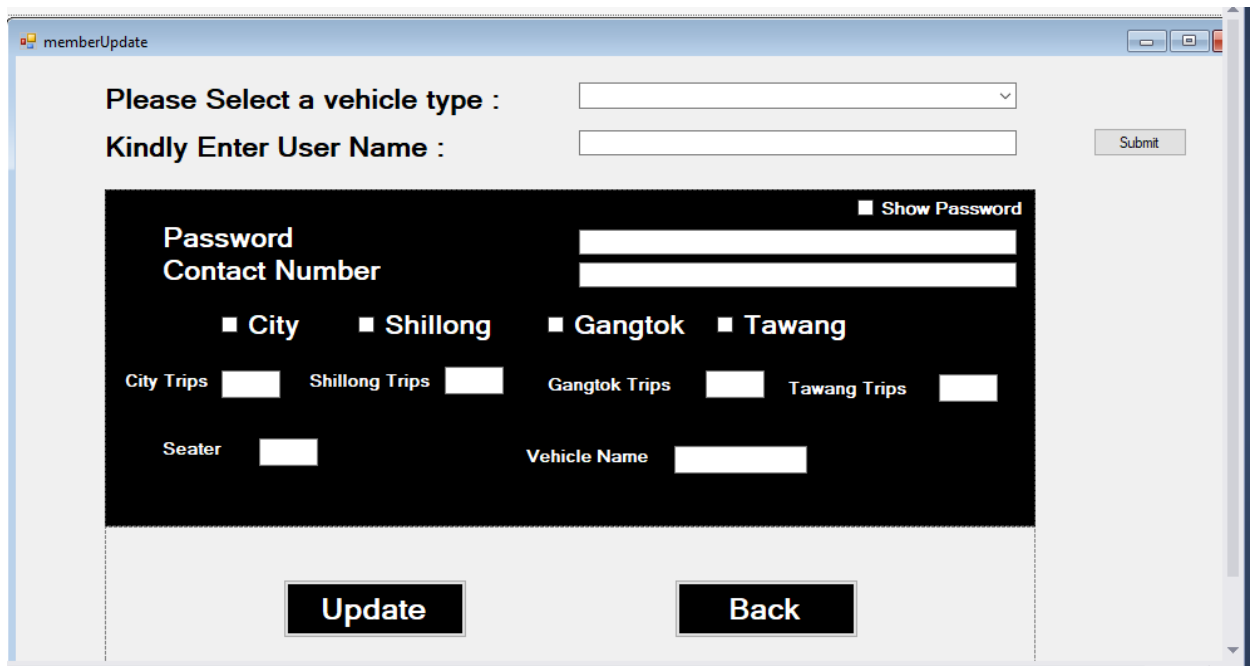
For deleting the member just type the username and then click on “Delete” Button. On clicking that account of that username will get deleted.

Here also back button is provided on clicking on that you can go to previous page.

## Update Member

Through “Update Member” Button a cab driver can update his status.

On Clicking “Update Member” button a new windows form will appear as shown below



The screenshot shows a Windows application window titled "memberUpdate". The form contains the following fields and controls:

- Please Select a vehicle type :** A dropdown menu.
- Kindly Enter User Name :** A text input field.
- Submit** button.
- Password** and **Contact Number** fields, each with a **Show Password** checkbox.
- City**, **Shillong**, **Gangtok**, and **Tawang** checkboxes.
- City Trips**, **Shillong Trips**, **Gangtok Trips**, and **Tawang Trips** text input fields.
- Seater** text input field.
- Vehicle Name** text input field.
- Update** and **Back** buttons at the bottom.

For updating details, cab driver will have to choose his vehicle type and then type username, password, contact number. He can update the cities which he wants to go by putting check on cities, shillong, Gangtok, tawang and city is provided as option. Cab drivers can also update the number of trips he has made to shillong, Gangtok, tawang and city. They can also update their vehicle name and number of seats.

On clicking “Update” Button update will be done in database.

You can also go to previous page by clicking on “Back” button.



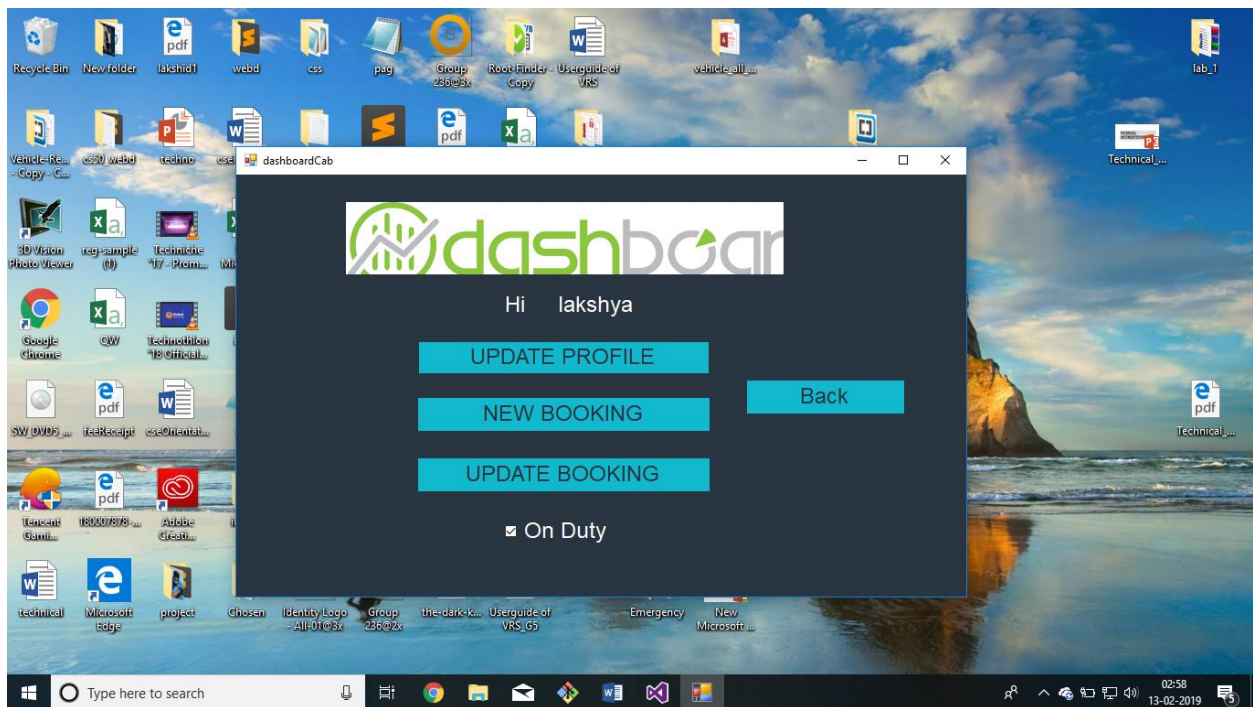
Sign Out

On clicking on “Sign Out “ Button you can sign out from your account.

Previous Page

On clicking on “Previous Page “ Button you will be directed to previous windows form.

Cab Driver Portal

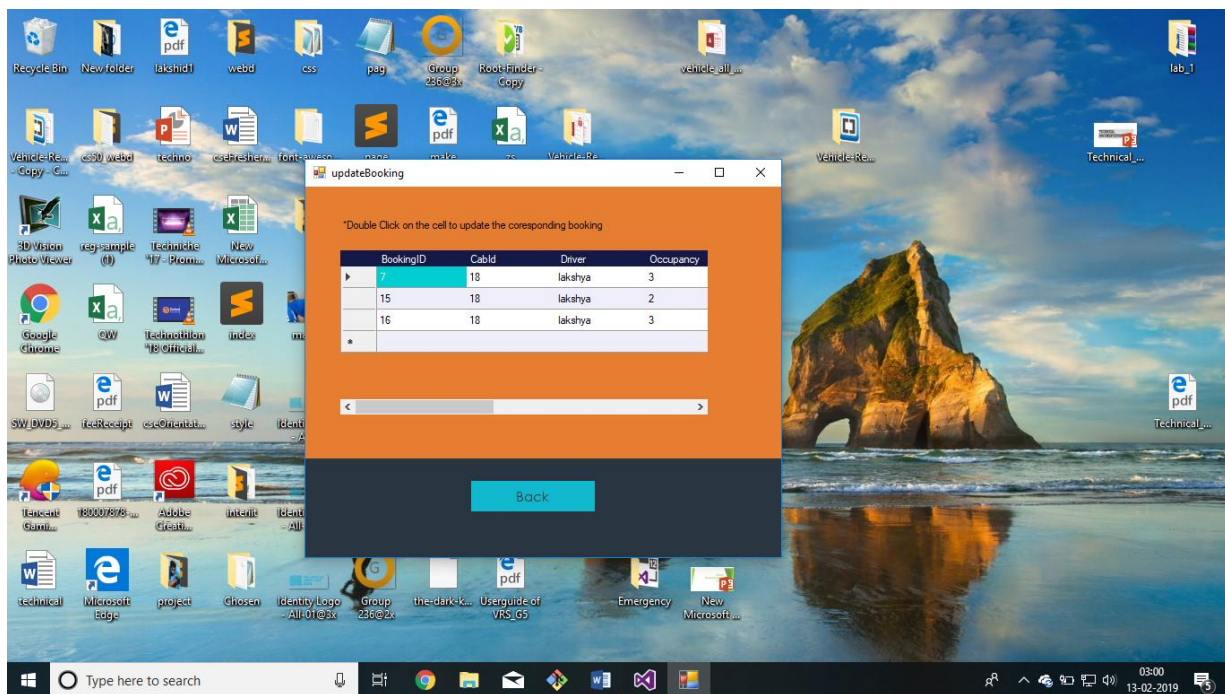


The user enters the correct credentials to login to the cab driver portal.

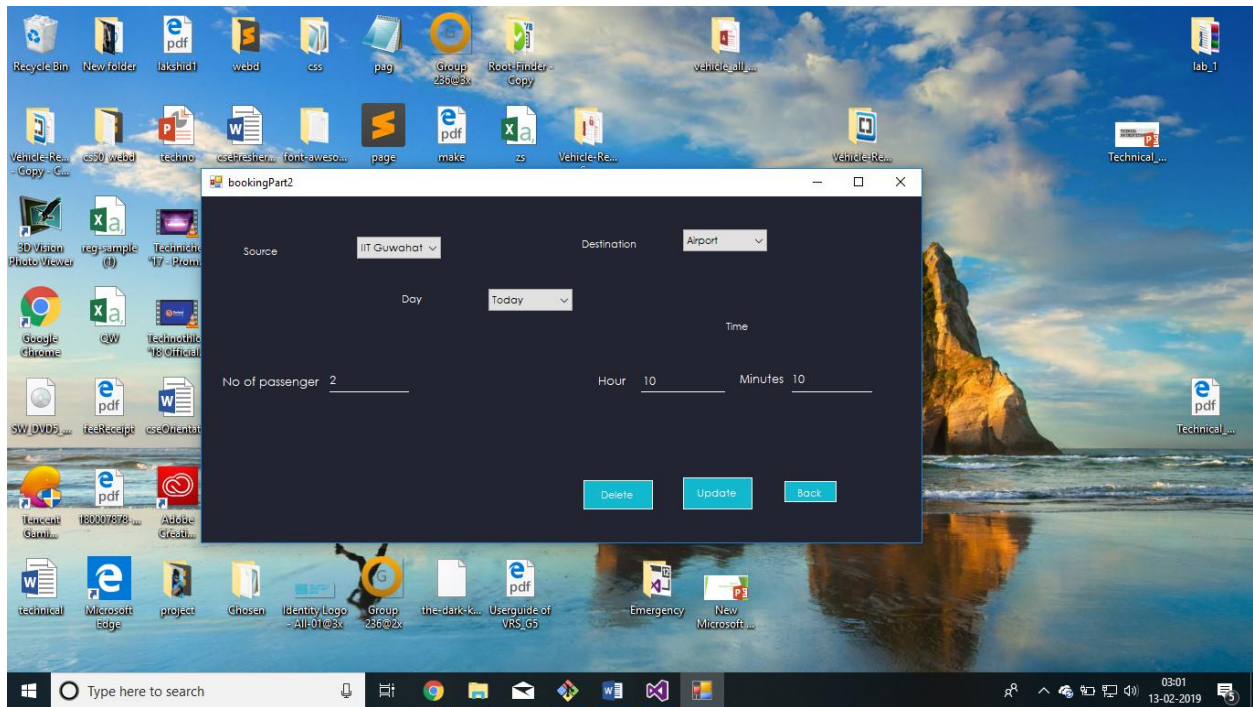
## New Booking

To add a new booking of the driver.

## Update Booking



The user can select the booking he wished to update by double clicking on any cell.



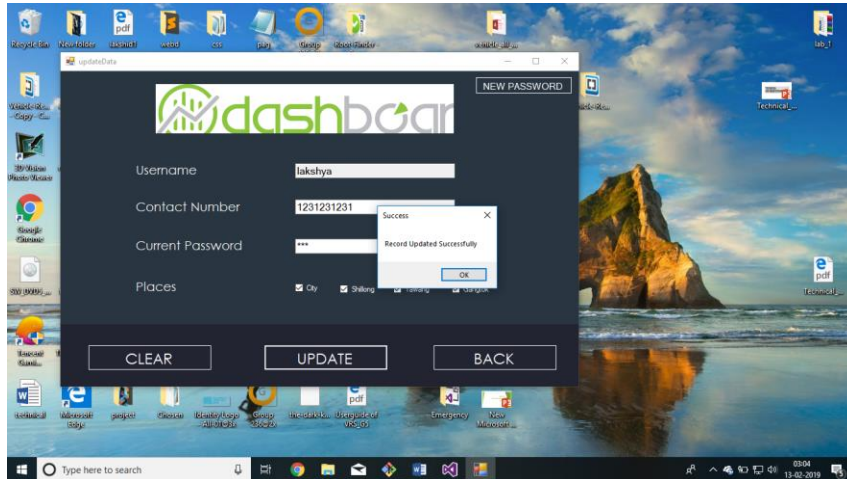
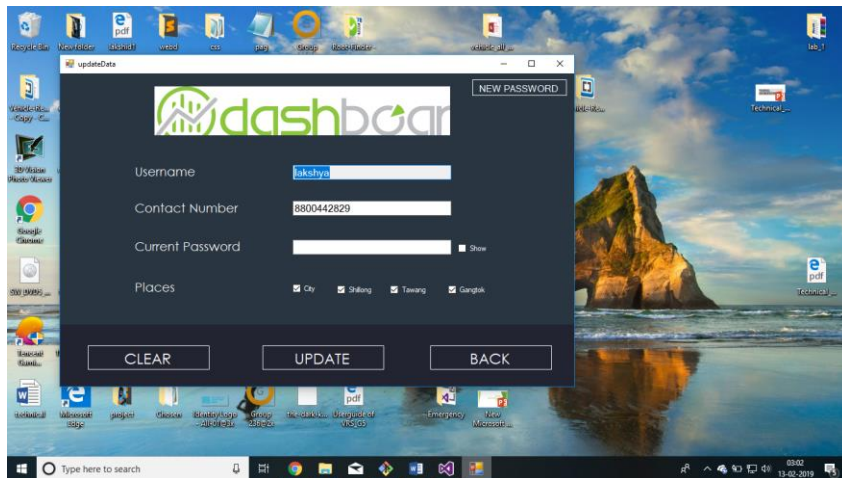
He can make the necessary changes before clicking on update.

He can also delete the booking from the delete booking option.

**Update Profile**

The user can update his profile by this option

After selecting the required option he clicks on update profile to see the necessary changes.





## Outstation

On clicking Outstation Button on homepage a screen will open in left side as shown in image there will be three buttons depicting various locations Shillong, Tawang and Gangtok.

Dashboard

Log In

Shilong

Tawang

Gangtok

Please Enter Number of Pasengers (optional)

8

Submit Clear

CabId	UserName	Contact	TawangTrips	VehicleName	Seater
18	lakshya	8800442829	100	Creta	8
7	Hardik	8126886365	0	Creta	12

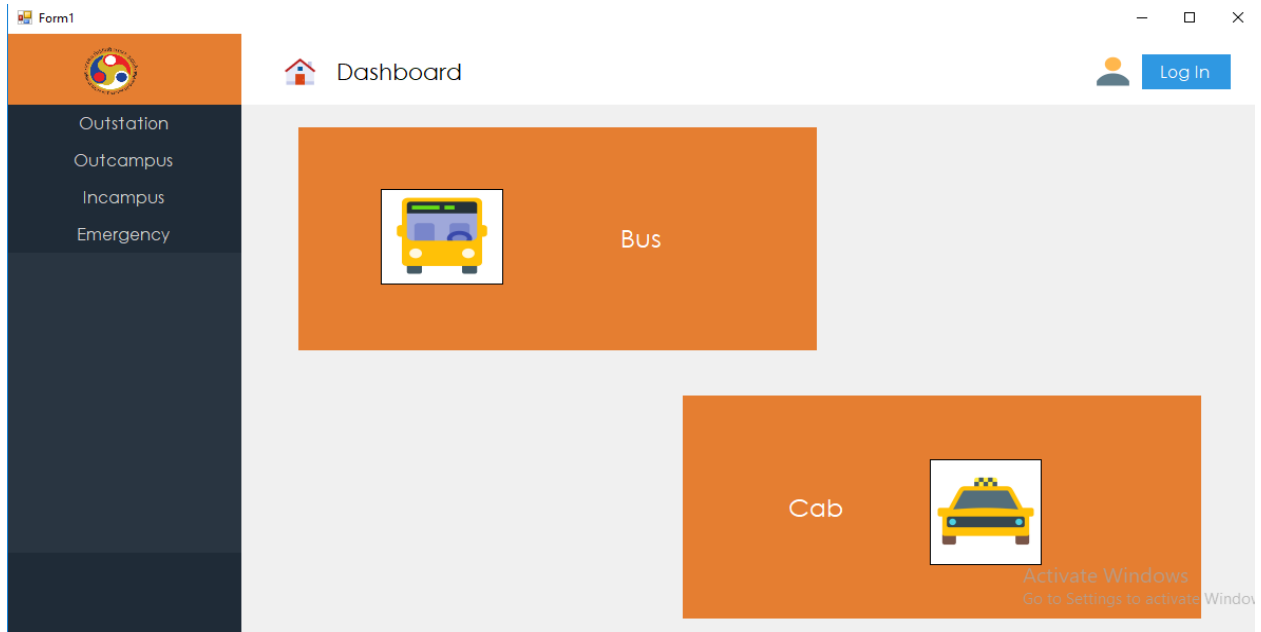
Select the location you want to go by clicking on that button.  
Enter the number of passengers going with you(this is optional field)

On clicking “Submit” button a DataGridView which is at bottom of form will show you the list of cab drivers with availability of seats that you have entered and also location that you have selected.

The list will show mobile number of cab drivers so that you can easily contact them and plan your trip with comfort.

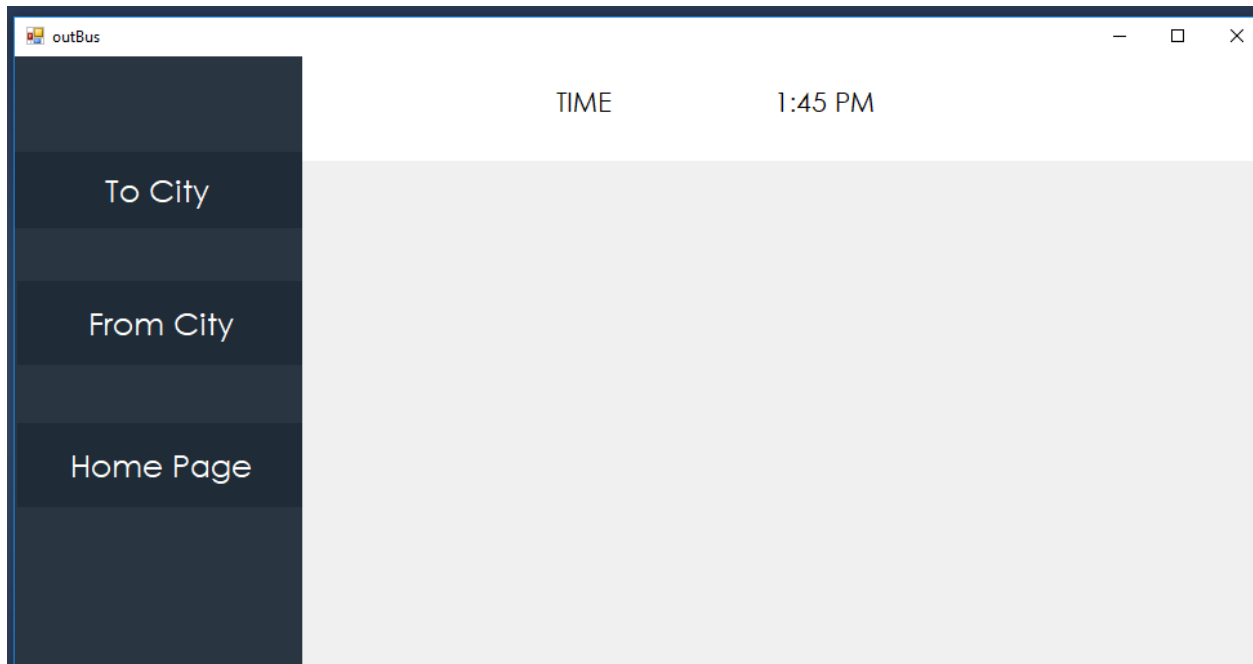
## Outcampus

If you click on outcampus button on homepage then in left side two options will be given to you cab and bus as shown in image



BUS

On clicking “Bus” option a screen will pop up as shown in image



In the left side of screen there are two options:-

1. To City

2. From City

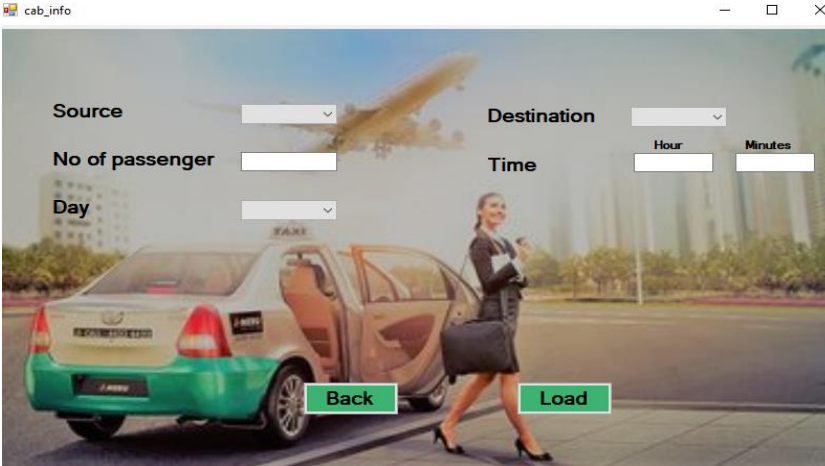
If you want to go to city then click on “To City” Button. On clicking that button a list of buses that will go to city will come with their time along with their source and destination in center of screen with highlighting the time of bus that will come nearest to current time.

On clicking “From City” Button then in center of this screen a list of buses will be shown that will go to campus from city depicting the time ,source and destination with highlighting time of that bus that is nearest to current time

If you want to go by cab click on that button

CAB

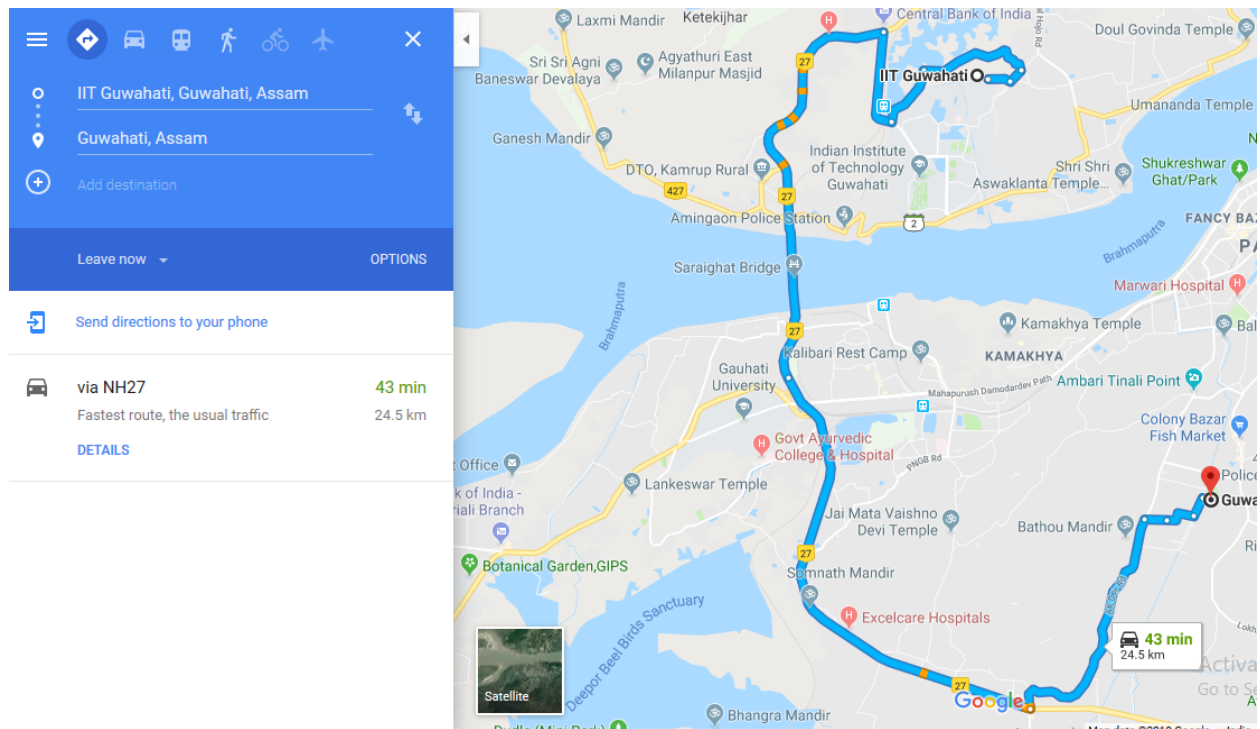
On clicking “Cab” option a screen will pop up as shown in image



On clicking a new screen will open it will ask you to enter Source, Destination ,number of passengers , day on which you

want to go there is drop down list in which you can select today, tomorrow and day after tomorrow. In source and destination there is also drop down list giving you options for five locations nearby you

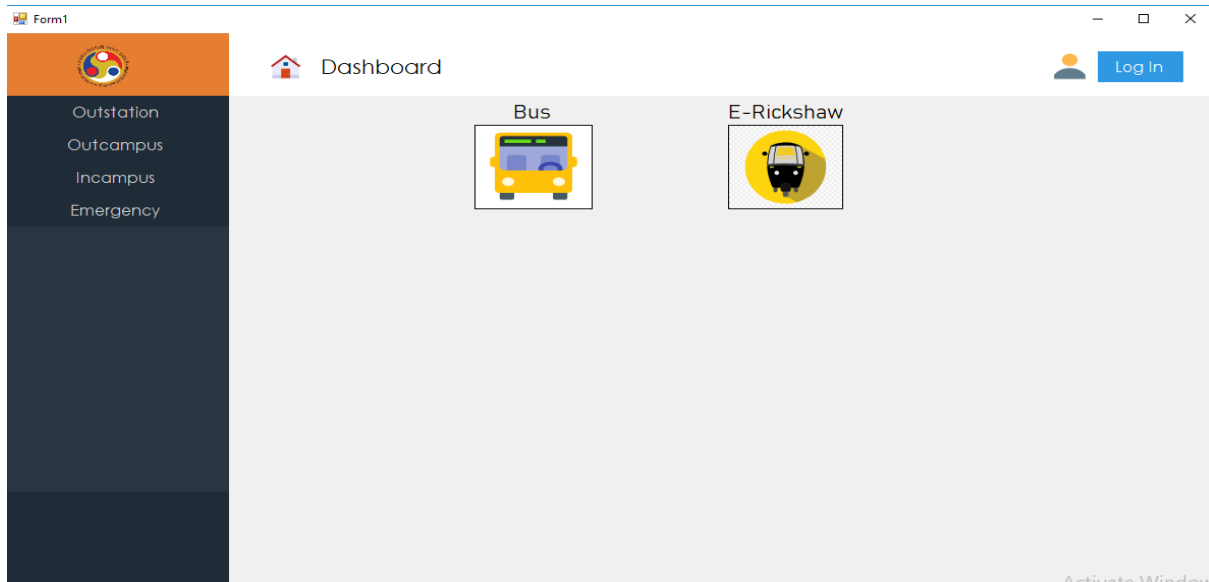
On clicking “Load” Button a map will be shown showing source and destination and a line connecting source and destination like shown in image below





# Incampus

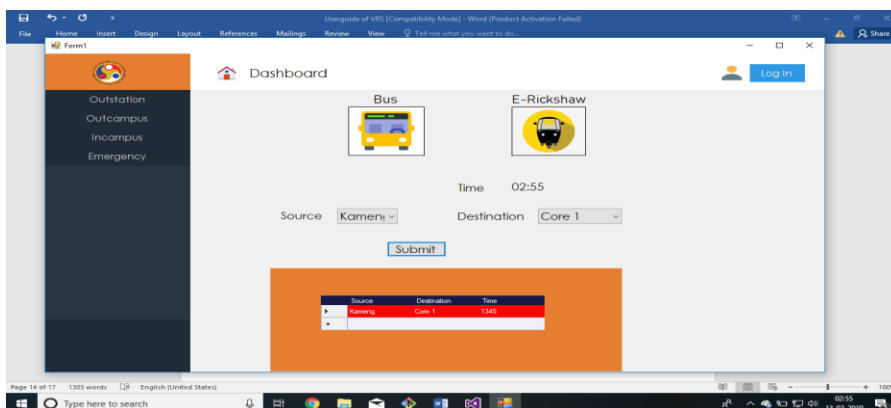
If you click on “Incampus” button on homepage then in left side two options will be given to you e-rickshaw and bus as shown in image



If you want to go by bus click on “Bus” button

**BUS**

On clicking “Bus” option it will ask you source and destination as shown in image below.



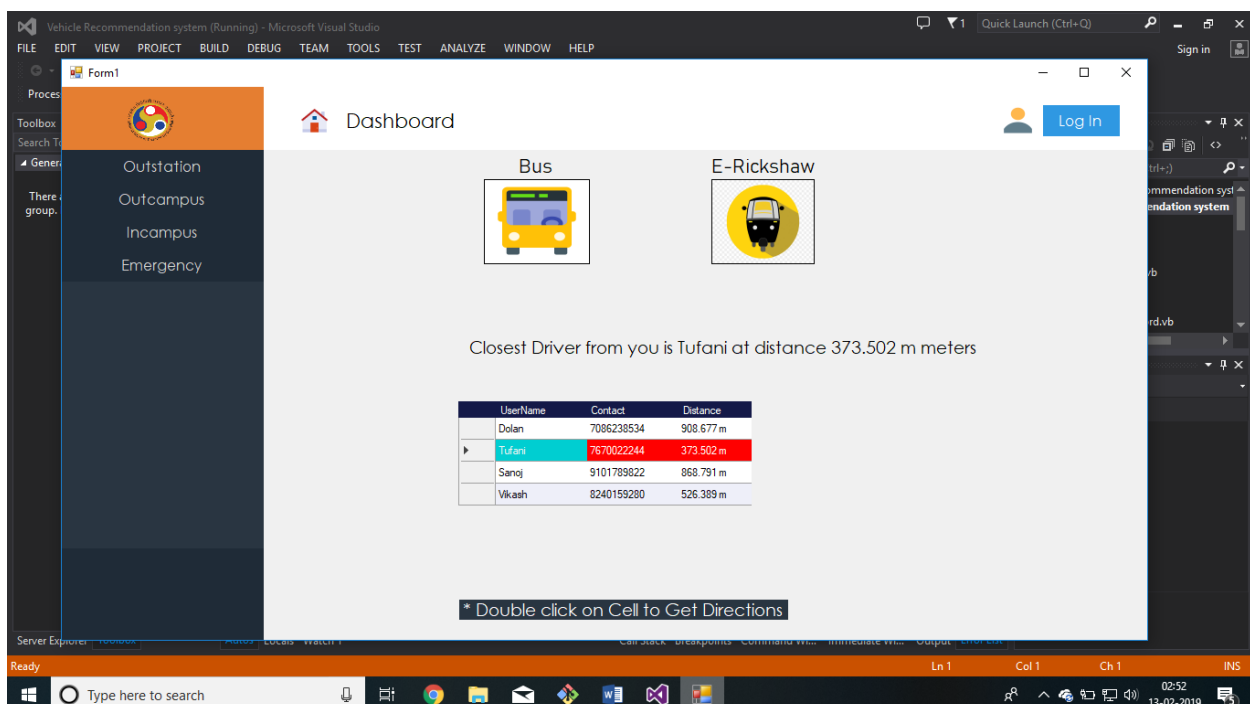
If you click on “Submit” button then a datagridview will open in centre showing a list of buses which run inside campus with their time, source and destination and highlighting the time of bus that is nearest to current time.

If you want to go by e-rickshaw click on “E-Rickshaw” button

E-Rickshaw

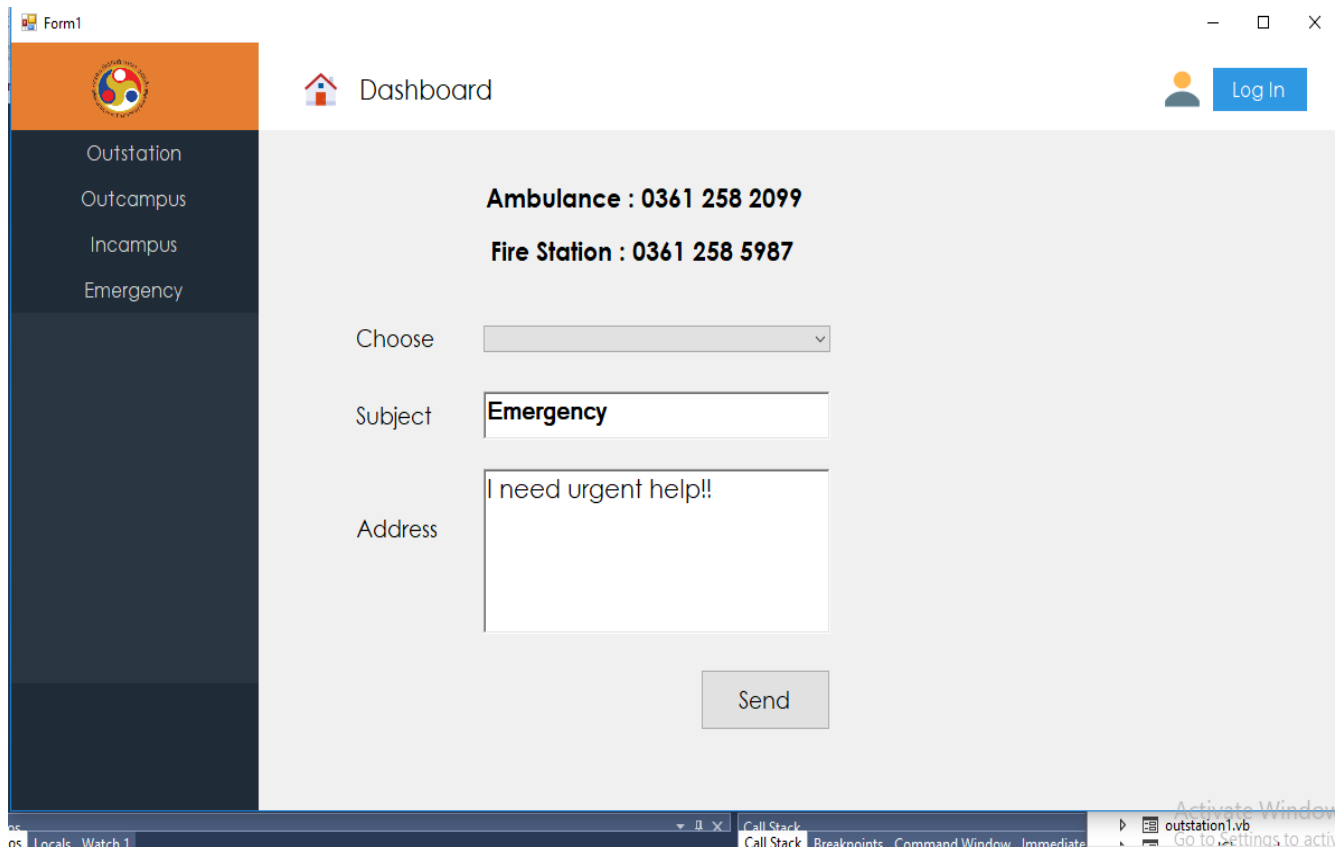
On clicking “E-Rickshaw” button a datagridview will open in centre that will show the list of all e-rickshaw drivers along with their numbers and nearest driver to you will be shown at the top of list.

If you click on that driver then a map will open that will show the direction of e-rickshaw from source (a location in campus is assumed as source)



## Emergency

On clicking “Emergency” button on homepage a screen will open as shown in image



The screenshot shows a web application window titled "Form1". The interface has a dark blue sidebar on the left with a logo at the top and four menu items: "Outstation", "Outcampus", "Incampus", and "Emergency". The "Emergency" item is selected. The main content area is light gray and contains the following elements:

- A "Dashboard" label with a home icon at the top left.
- A "Log In" button with a user icon at the top right.
- Emergency contact numbers: "Ambulance : 0361 258 2099" and "Fire Station : 0361 258 5987".
- A "Choose" dropdown menu.
- A "Subject" text input field containing the text "Emergency".
- An "Address" text area containing the text "I need urgent help!!".
- A "Send" button at the bottom right.

At the bottom of the window, there is a Windows taskbar showing the application name "outstation1.vb" and a watermark that says "Activate Windows Go to Settings to activate Windows".

You can choose fire or ambulance emergency. Numbers of fire and ambulance will be their on screen. On clicking “Send” button a mail will be sent to hospital or fire brigade office depending on your choice by default the mail is “I need urgent help”.

## Limitations

- The main limitation of the software was that it does not use GPS to find the location of the E-Rickshaw driver or the user, etc.
- We are relying on the assumption that Cab drivers and E-Rickshaw drivers updated their profiles with their latitudes and longitudes, i.e. they know their location.
- We are also using E-Mail services in case of emergency which is not desirable but since Teli-API's were posing some difficulties in being implemented, so we decided to work on SMTP server itself.