

INDIAN INSTITUTE OF TECHNOLOGY  
JODHPUR



॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

SOFTWARE ENGINEERING  
PROJECT REPORT  
ASSIGNMENT-1

---

CAB SERVICE

---

*Project Group*

Name	Roll No.	e-mail
Pankaj Khandelwal	UG201010025	pankaj@iitj.ac.in
Sourabh Maheshwari	UG201010032	saurabhm@iitj.ac.in

*Project Guide*

Dr. Gaurav Harit

# 1 Problem Statement

We have to implement a Cab Service System with these Features.

Cab Manager Should be able to Load the details of cab, like:

- 1.1 Type
- 1.2 Seating Capacity
- 1.3 Car No.
- 1.4 Driver Name etc

There should be a map (City), in which

- 2.1 we can update locations,
- 2.2 connect two locations with an edge.
- 2.3 Set the speed limit for a particular road

Set initial Position of cabs in map

A User interface for Custmor

- 4.1 Custmor should enter the details for location
- 4.2 Custmor's personal Information

Our Program should Calculate the optimum path for reaching the destination and tell custmor that the car is available or not.

and if it is available how much time it will take and cost of serice.

## 2 Implementation and Features

### Cab Management

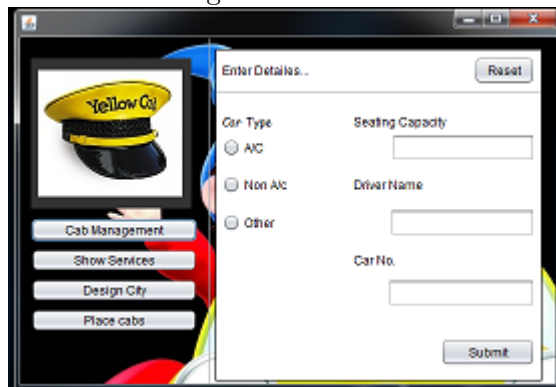
we have implemented a Gui, which has following options for adding new Service, like :

Type of car : A/c, Non A/c, Other

Driver Name : String

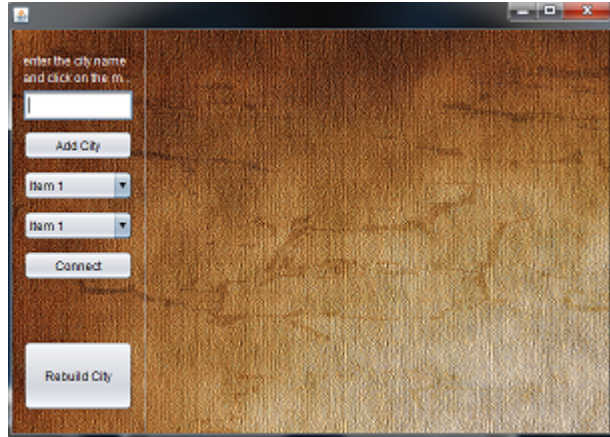
Seating Capacity: Int

Car No. : String



and A option Reset, which will delete the previous data.

## Design City



A UserFreindly Gui for Creating The Map  
on clicking the frame, you can create the city,  
and can give it a name

2 Combo boxes for connecting the Cities  
select two cities and there is an edge.

Set Initial Position for cabs  
in the map just click on cities and place cab

### User Interface

user can create account  
then he or she can enter the desired details

### Algorithm

we will use all pair Shortest path algorithm for calculate the path.  
we are using database for saving the data.