

# Towing Parlour

JAYAKUMAR S<sup>1</sup>, PRASHANT BAHETI<sup>2</sup>, RAVINDRA SINGH RAJAWAT<sup>3</sup>, AYUSH KAPOOR<sup>4</sup>, VARCHAS SHISHIR<sup>5</sup>

*1 Assistant Professor, Department of Computer Science and Engineering, SRM University, Chennai, India*

*2 Under Graduate Student, Department of Computer Science and Engineering, SRM University, Chennai, India*

*3 Under Graduate Student, Department of Computer Science and Engineering, SRM University, Chennai, India*

*4 Under Graduate Student, Department of Computer Science and Engineering, SRM University, Chennai, India*

*5 Under Graduate Student, Department of Computer Science and Engineering, SRM University, Chennai, India*

## RESEARCH AREA

Online Vehicle Repair and Towing Services.

## ABSTRACT

*Time seems to be an important factor in everyone's life. It intensifies more in the urban areas. Stuck in a jam with your vehicle? Car broke down and the need to reach the destination is really crucial? Call us. So here we present a simultaneous towing and cab services. With the single click or touch, a cab will come to help and you escort to your vehicle to a nearby garage and get it fixed for your next commute. Just a touch is required and it can also help people around you know the issue you are facing and help them aid you. You, as well, might be the one to help them. The paytm is also added in the service where the people can easily do payments for the services they provide to the people facing issues. There is the facility for the helpers too. They will also be paid for the services they will be providing to the people who contacted for the aid of their vehicle. During any emergency situation, this website provides the users with the location and contact number of nearest helpers and service stations available in and around the locality. Our proposed system provides towing cars that can carry as much weight as other car trailers. They don't cause clearance issues with vehicles. This cannot cause damage to bumpers, body kits and undercarriage parts, such as deep transmission pans.*

**Keywords:** *Online towing help, online payment through paytm, emergency situations, website, touch and ask.*

## INTRODUCTION

There has been an increase in the usage of mobile applications and web services that run on almost every platform there exists be it on mobile platforms like Windows mobile, Android, iOS etc. or Desktop platforms like Windows, macOS or LINUX. Also throughout the years, the technologies have received a massive spec bump thus supporting a better hardware and software. Our project is thus a web service made available to all the platforms. Following are the features that our web service aims to offer: -

Our web service stores the information of several users on a remote server.

It has information of person's data as well as the location onto a database located on the server side.

Our application/service will also be verified by our head Prof. JayaKumar Sir and other faculty incharges in order to assure authenticity.

In collaboration with few service centers, users can choose the company or a non-company road side service centers from where they would like to take the service,

In the existing system, the interface is not very user friendly. Also it lacks many basic features such as “Tow dollies can't carry as much weight as other car trailers”. Tow dollies can cause clearance issues with vehicles. Because tow dollies only hold up the drive wheels of a vehicle, if the car you're towing is long in the front, low to the ground or has ground effects, car components may drag on the ground during the tow.

The main objective of the proposed system is to make the interaction between the user and the web service easier and less complicated. It provides the location of nearest service centers in case any emergency occurs. The system also provides the facility to send the number and the location to the user.

## **IDENTIFICATION OF NEED**

Towing Parlour is very convenient to implement and quite easy to understand. The most important thing is that it can be implemented by users in their daily life. The need of designing such a web service is to act as a centralized base for all vehicle related problems so that anyone with an internet facility can have access to it regardless of their time and place.

## **FEASIBILITY STUDY: -**

Feasibility studies aim to objectively and rationally uncover the strengths and weaknesses of the existing system or proposed venture. In its simplest term, the two criteria to judge feasibility are cost required and value to be attained. As such, a well-designed feasibility study should provide historical background of the project. Generally, feasibility studies precede technical development and project implementation. The assessment of feasibility study is based on the following factors:

- 1) Technical Feasibility
- 2) Operational Feasibility

## **TECHNICAL FEASIBILITY**

Generally, feasibility studies precede technical development and project implementation. The assessment is based on a system requirement in terms of Input, Processes, Output, Fields, Programs, and Procedure. This can be quantified in terms of volumes of data, trends, frequency of updating, etc., in order to estimate whether the new system will perform adequately or not. Technological feasibility is carried out to determine the capability, in terms of software, hardware, personnel and expertise, to handle the completion of the project.

## **OPERATIONAL FEASIBILITY**

Operational feasibility is a measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development. The operational feasibility of the system can be checked as it solves the problems and reduces the complications occurring in the paper-pencil test.

## **CONCLUSION OF FEASIBILITY STUDY: -**

- 1) Technical Feasibility:

The system can be implemented using computer software & hardware.

- 2) Operational Feasibility:

The system efficiently operates & reduces manual computation and time of processing, reducing cost of

paperwork and human errors.

## THEORY

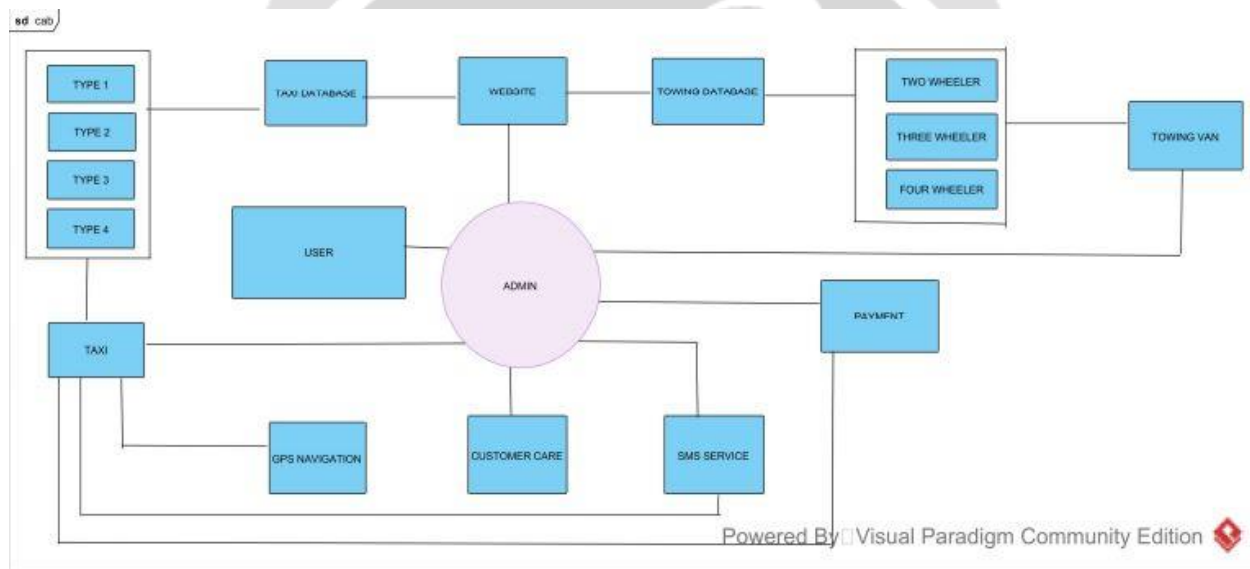
This web service is basically the destination from where the user can access the application and can apply for the service. Detailed features of this web service will contain or allow the following things: -

### PROFILE: -

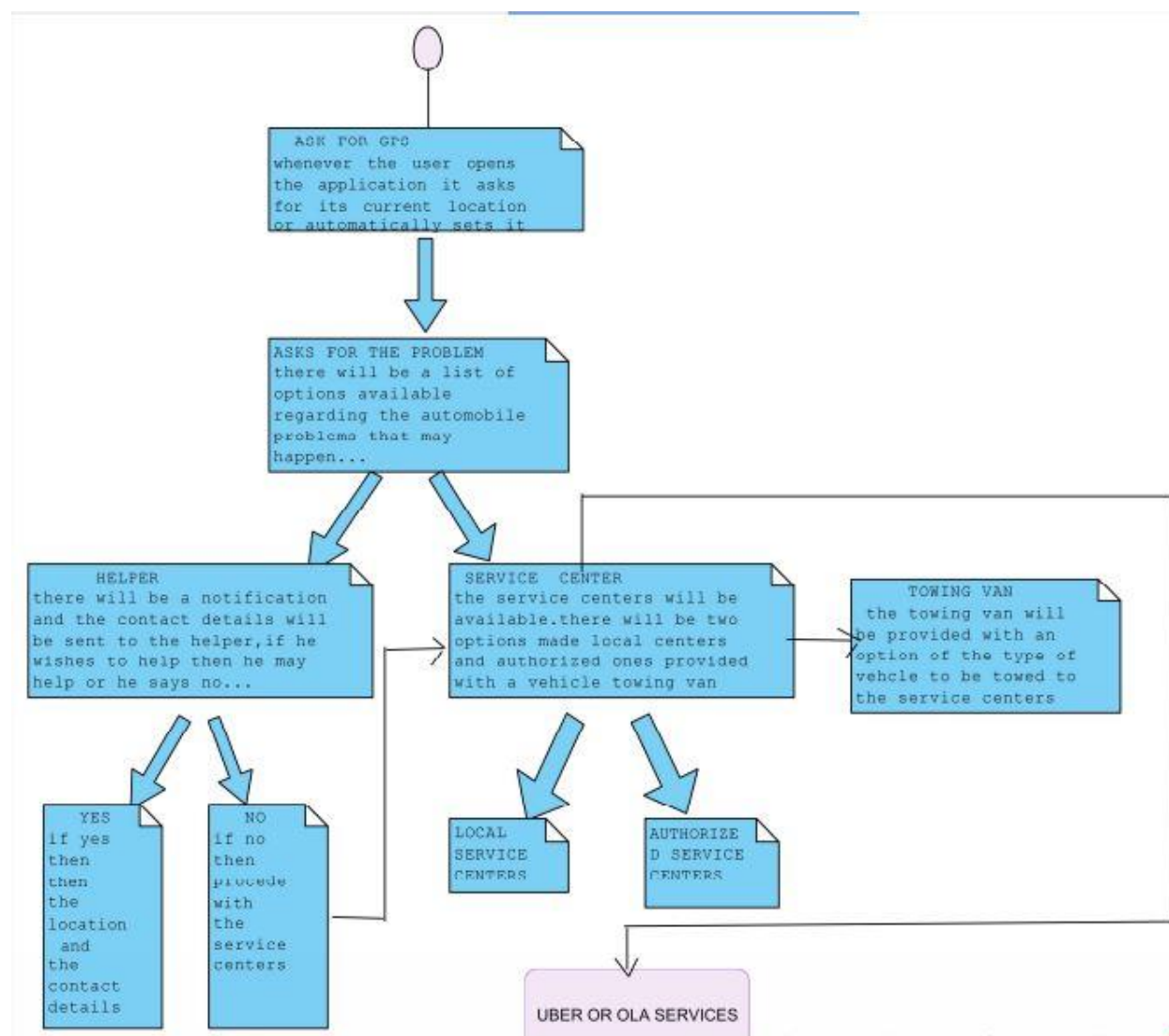
**USER:** Every user that uses this web service will have a user profile in which they would have access to the application, their past services as well as access to a new services.

**ADMINISTRATOR:** The admin have access to whole of the system including all the databases,all the actions and the users data and information.

## SYSTEM ARCHITECTURE DIAGRAM



## DATABASE STRUCTURE



## MODULES

After careful analysis the system has been identified to have the following modules:

- Login
- Sign Up
- Homepage
- Gps Navigation
- Towing Service

- Taxi Service
- Paytm

## SIGN UP

This module is used so that a new user can add their details into the database. A new user has to enter details like their name, contact information, address and the card information. They need to enter their email address, which is then later verified and also a password. The paytm number will also be added in order to send and receive the transactions and the other service charges which will be given by our "Towing Parlour"

## LOGIN

This module is used to verify whether the user accessing the service has an account registered to their name onto the database. After a user has been registered to the website, their details get stored onto the database. Thus, they need not register to the system again. The login details provided are stored onto a discrete user info database and thus remains discrete.

## HOMEPAGE

After the user has been logged onto the system, a homepage is presented. It acts as a user friendly interface for ease of interaction between the user and the remote database. The homepage also acts as a centralized location for all the other modules present throughout the project. The sub-modules it contains, has been discussed as follows.

## GPS NAVIGATION

A **GPS navigation device**, **GPS** is a device that is capable of receiving information from GPS Satellites and then to calculate the device's geographical position. Using suitable software, the device may display the position on a map, and it may offer directions.

## TOWING SERVICE

Towing may be as simple as a tractor pulling a tree stump. Other familiar forms are the tractor-trailer combination, and cargo or leisure vehicles coupled via ball to smaller trucks and cars.

## TAXI SERVICE

A **taxicab**, also known as a **taxi** or a **cab**, is a type of vehicle for hire with a driver, used by a single passenger or small group of passengers, often for a non-shared ride. A taxicab conveys passengers between locations of their choice. This differs from other modes of public transport where the pick-up and drop-off locations are determined by the service provider, not by the passenger, although demand responsive transport and share taxis provide a hybrid bus/taxi mode.

## PAYTM

Service is available through a browser, and an app is available on the Android, Windows and iOS operating systems. It will be used to receive and send the transactions and the other service charges which will be applicable during the service.

## ADVANTAGES: -

Following are some of the advantages our system has to offer: -

Towing cars can carry as much weight as other car trailers. They don't cause clearance issues with vehicles. This cannot cause damage to bumpers, body kits and undercarriage parts, such as deep transmission pans.

During any emergency situation, this website provides its user with the location and contact number of nearest service facilities available in and around the locality.

Our website also stores the service records of its users so that in case a user wants to refer to their past service records, they can do so by going through our website. This database is monitored by our website staff on a daily basis to protect the individual information from getting leaked or misused.

Unlike other system, the language of our website can be changed depending upon individual preference of the language given in by the user.

#### **ACKNOWLEDGEMENT: -**

We respect and thank our Prof. JayaKumar S sir, for providing us an opportunity to do the project work at SRM University Ramapuram, Chennai and giving us all the support and guidance which made us complete the project duly. We are also extremely thankful to Ms. Saraswathi Senthil for providing guidance from time to time.

#### **LIMITATION: -**

- Since our application is web oriented, it won't work offline.
- The prediction made by the web service has changes of minimal inaccuracy

#### **CONCLUSION: -**

Hereby coming to the conclusion that the website is properly made and the main goal of the project is to reproduce a website with great learning objective. The entire website is developed using php,css,javascript,bootstrap which seems to be a good choice. The website provides a relaxing environment to the user.

For the future plan we are deciding to extend this project with the help of other advanced technologies so that our piece of work could easily go to greater heights. We are thankful to all our faculty members for their help and support.


#### **REFERENCES: -**

[1]www.google.com

[2]www.w3schools.com[for the backend services and the total frontend]

[3]Internshala training for learning the languages

#### **BIOGRAPHIES**

	<p><b>Prashant Baheti</b></p> <p>Under graduate Student, Computer Science and Engineering at SRM University Ramapuram Chennai(TN)</p>
---	---



	<p><b>Ravindra Singh Rajawat</b></p> <p>Under graduate Student, Computer Science and Engineering at SRM University Ramapuram, Chennai(TN)</p>
	<p><b>Ayush Kapoor</b></p> <p>Under graduate Student, Computer Science and Engineering at SRM University Ramapuram Chennai(TN)</p>
	<p><b>Varchas Shishir</b></p> <p>Under graduate Student, Computer Science and Engineering at SRM University Ramapuram Chennai(TN)</p>
	<p><b>Jayakumar S</b></p> <p>Assistant Professor, Computer Science and Engineering at SRM University Ramapuram Chennai(TN).</p>