ABSTRACT

This project is a Online Ambulance Service programmed in php Language. The app will be connected to a PC or Laptop and take input from the keyboard. The rough breakdown of our app will consist of different features. With the help of OAS booking an ambulance become much more easier and faster than before. The features are user friendly any age group of +5 age would be able to use it.

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ACKNOWLEDGEMENT

Before I indulge into the thing first of all I would like to thank Almighty Godwho is the most Gracious and merciful. I would like to add a few unfeigned words for the people who have given everlasting contribution & support right from the genesis of the report till the end.It is pleasure to find myself penning down these lines to express my sincere thanks to all my coordinators to give me this opportunity of preparing this project, to enhance my professional practice.This project required hard work, sincerity and devotion that I tried my best to put in this project and in turn gained a lot of knowledge and confidence from this project.I am grateful to my project guide **Ms. Hiral Joshi** for the inspiration and the constructive suggestions that helped me in preparation of the project survival of the fastest.Finally, I wish to thank all my friends and the entire **Information Technology Department** who directly or indirectly helped me in the completion of this project. Last but not the least I would like to thank my family without whose support, motivation and encouragement this would not have been possible.

DECLARATION

I hereby declare that the project entitled, "**OAS**" done at **NES Ratnam College of Arts, Science and Commerce**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university. The project is done in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted

as final semester project as part of our curriculum

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Introduction

As we listened the word 'Ambulance' the first thing comes to mind is the rescue process. In the modern era where the population is increasing day by day, people feel uncomfortable and frightened due to danger aspects of road accidents, some known and unknown disease which required the quickly treatment but unfortunately due to couple of minute delay some important lives are lost. Therefore, to give the quick first-aid to the patient rescue system of every country should be maintained and trained well for the betterment of human beings and to avoid the deaths which occur due to delay in rescue process. So our first goal is to maintain the ambulance service system first by making android application for the rescue process. It will provide all the rescue centers to stand on one platform through ambulance service application. In case of any accident we call an ambulance for help via call. There are many organizations which provide ambulance services in India. But there is a problem with these organizations that they did not work together. So that, when there an accident occur people call for ambulance of specific organization like ;Medulance', 'Ambipalm', 'Rescue 102', 'FIF' etc. There can be possibility that the ambulance of that organization will not available near the place of accident. So this application will help people to find ambulance near them of any organization. We have proposed an web app namely OAS

User will properly sign up in the app with his mobile and CNIC number for authentication so that irrelevant person will not use this app without any reason. In case of emergency he will request for an ambulance made from his phone that will be directly updated on a centralized main office where 24/7 server will automatically check his request, calculate coordinates and will check the availability of ambulance in very nearly station, if there is no ambulance available in that station, then server will check up next near station and response back to the user that request is in progress and how much time it takes to reach, and from which station. All this process and management will be handled virtually using defined algorithm. The whole history will maintain on server side. When task is done then status and number of ambulance will be updated on sever.

The condition of the Indian healthcare system can be gauged from the fact that there are only 25,851 ambulances for about 130 crore people across the country.

A large number of people die due to unavailability of ambulance services during an emergency, especially in rural areas. In 2016, about 30% of total deaths in road accidents occurred due to inaccessibility of ambulances Out of 25,951, a total of 9,305 ambulances are under Dial 108, 10,589 ambulances under Dial 102/104, besides 5,957 other patient transport vehicles.

The state-wise data indicates that Dial 108 services are not available in about 10 states and Union Territories which includes West Bengal, Bihar, Jammu and Kashmir, Arunachal Pradesh, Manipur, Mizoram, Nagaland, Tripura, Andaman & Nicobar Islands, Dadra & Nagar Haveli, Lakshadweep and Delhi.

India is experiencing a dire shortage of emergency medical services in urban and rural areas. The ratio of ambulances per person in the country is currently 3:1000. With a population of over 1.3 billion and the current rate of supply, the demand can never be catered to. A majority of the critical patients in an emergency lose their life due to lack of an ambulance to reach the hospital on time.

This begs the question as to what can be done to improve the patient transport system in India so that casualties are minimised. OAS is here to change the ingrained perception of non-reliability on ambulances.

Why OAS?

have you ever needed assistance but not known how and where to look for ambulances? Have you had to go through the pain and loss of family and friends due to this unknown? . In India getting an pizza in 20 minutes is possible but getting an ambulance is not . As In India there is lots of traffic due to which some time some casualties lost their life on the spot only .

Hiring an ambulance has always been stressful, not sure whether the hired ambulance will come and what time, can it locate the address swiftly, is it equipped to handle the patient etc., all these can compound the trauma, especially in a moment of crisis. OAS is designed with several unique features to provide respite in life and death exigencies

We at OAS, refused to let this problem be treated as an act of god anymore and decided to make finding an ambulance as easy as finding food or taxis these days. Hence, OAS was developed, to assist lives. Using simple location based mapping, we seek to provide india with quality ambulances, easier and faster than before.

Objective of OAS?

- To develop cost effective ambulance services for transporting accident, emergency and other patients to appropriate referral medical
- To provide Reliable and professionally managed ambulance services available to people at a reasonable costs and on 24-hour basis.
- Considerable saving of time and effort of patients and their relatives to locate and get transportation services.
- Reduced expenditure on transportation
- Increased confidence of people in public healthcare services.
- Enhanced utilization of public health infrastructure..
- To save lives, reduce suffering and enhance quality of life, through the provision of accessible and responsive quality patient care.
- Reduction in response time to deliver health services to patients and to enhance the quality of patient care during transportation.
- To reach to those in need of urgent medical care in order to satisfactorily treat the presenting conditions, from the scene of the incidents to the point of definitive care
- The objective of OAS Initiative is to strengthen local capacity among ambulance providers and first responders to provide effective care during medical emergencies and mass-casualty disasters.
- To ensure all OAS activity remain patient focused and promotes the best patient outcomes.
- To main the nationally interperoable capabilities to ensure they remain safe and operational effective
- To provide a well governed, patient focused service that value for money and is delievered through a motivated workforce.
- To increase ambulance service preparedness for dealing with major and complex emergencies.

Scope of Project

A painful accident, severe brain stroke, or massive cardiac arrest, all reaches close to fatality if the ambulance arrival is delayed. The intervention of digital tools for real-time activation of ambulance services is very necessary now. From that perspective, if you're thinking about Ambulance Booking App Development, you are certainly proceeding on the right track.
According to an online report, the World Health Organisation (WHO) stated that there must be one ambulance per 80,000 people in any country which is now one for 1,50,000 people. It also mentioned that the minimum standard response time for an ambulance must be 8-10 minutes. But unfortunately, it is not attainable using manual ambulance booking systems.

The figures in the statistics clearly indicate the fact that all hospitals and clinics are not having dedicated ambulance services. It also depicts that still there is a scarcity of ambulances with respect to the increase in daily medical emergency cases. Hence online ambulance booking processes can surely be an effective measure in bridging the gaps between patients and ambulance service providers efficiently.
The crisis has hit the medical industry harder in the times of the COVID-19 situations. These are the few most obvious points which makes it necessary to initiate Ambulance Booking Application Development. Let us take a deeper dive to understand its need in a better way.

How OAS help people?

OAS has several customer friendly features like, easily accessible wide network of ambulances; option of booking from anywhere; customise and schedule an ambulance arrival; choice of ambulances to suit the need; real time tracking; lowest possible price; 24/7 Call Support;

OAS offers three types of ambulances – Advanced Life Support, Basic Life Support and Patient Transport Service, to suit the varied needs of the customers. Advanced Life Support Ambulance meant for critical patients are big vehicles like Tempo Traveller or Winger and are equipped with an array of life support equipment like ICU equipment, in-built ventilator with oxygen cylinder, BP monitor and specialized medication. Basic Life Support ambulances meant for semi-critical and non-critical cases are small vans like Omni and Eco and have minimal features like an oxygen cylinder with mask and an option for customization. While Patient Transport Service ambulances mostly Omni or Eco are meant for non-serious patient's transfer and are equipped with a stretcher as well. It helps you to find near by ambulance that are available during an emergency and you would be able to connect to the nearest ambulance to you. OAS also provide Air Ambulance Services to transport patients by air from faraway places to major hospitals in the quickest way possible with medical care. You could book a ambulance and go to your choice hospital. It also provide mortuary van for the deceased people and as well as chambers to preserve the body after death. You would be able to get to know information about all the blood banks near you.

Advantages of OAS

Indicates Ambulance Availability

By this feature of an Ambulance Booking App, you can real time updated information on the availability of ambulances. Patients can easily spot the ambulance near them and decide which one to book for their purpose.

Establishes Proper Communication Channel

An online ambulance booking service always ensures that all the operation points are well connected for smooth coordination. Be it the patients' end, the ambulance team and driver, or the hospital or clinic, the app binds all with seamless communication features.

Ensures Authenticity

Every person registering on the ambulance booking app is required to go through a brief registration process. In this process, they have to provide all their details related to their identity and communication ready for verification. So it ensures the authenticity of users as well to avoid any operational deficiency in your business.

Data Management

The app stores all data of every user, be it the patient, driver, service provider, or ambulance service team. This can help you as an admin to monitor all data straight from your dashboard to monitor and improve the operational efficiencies of your business. Reports related to ambulance duty travel, driver performance, and revenues can be easily accessed from the dashboard of the app on a single tap.

Services

- **BLS (Basic Life Support)**

BLS Ambulance provides service to patients who are non ambulatory, bed confined, and non-life threatening condition. Ambulances provide transport to patients who do not require extra support or cardiac monitoring. A typical BLS ambulance staffed by caregivers transport can serve:

- **Lower extremity fractures**
- **Discharges to home and sub-acute care facilities (nursing homes)**
- **Medical and Surgical patients who do not require cardiac monitoring Psychiatric Patients**

- **ALS (Advanced Life Support)**

Advanced Life Support (ALS) ambulances transport patients who need a higher level of care during transport, above those services provided by a BLS ambulance. The unit is staffed by two paramedics who are qualified to render advanced life support to patients. Patients who typically require ALS transport include:

- Medical/surgical patients with a continuous Intra-veinous
- Patients on a cardiac monitor
- Patients with potential airway compromise
- Any patient deemed to have a potential complication during transport when reported by the sending facility Life threatening
- medical emergencies (For example: respiratory distress, stroke, seizure, or chest pains)

- **Air Ambulance**

A way to transport patients by air from faraway places to major hospitals in the quickest way possible while providing inflight medical care. An air ambulance typically includes emergency medicines, ventilators, ECG and other monitoring equipment along with CPR kits and stretchers.

- **Mortuary Van**

A mortuary van is a funeral vehicle used to carry a deceased patient from hospital to home or to cremation grounds.

- **Mortuary Chamber**

Also known as a Mortuary Refrigerator or Body freezer box. It is designed to preserve the body after death. The Mortuary chamber maintains a low temperature to prevent decomposition. These chambers are portable and can be hired at home as well.

Methodology

First Model

- When an emergency is reported, the call taker at the Emergency Response Centre (ERC) gathers the needed information, including location, and dispatches appropriate emergency services; be that an ambulance, police assistance, or a fire engine.
- Emergency help dispatched through this process is expected to reach the location of the emergency in an average of 18 minutes. Pre-hospital care will be given to patients during transit to hospital. Patients are transported in ambulances well equipped to handle emergency situations. Road and water ambulances are the two types of ambulances commonly used in India to transport patients. Road ambulances are used across all its states

Second Model

An Online ambulance booking mobile offers great benefits to patients as-

- Patients can now book an ambulance for an emergency as well as for non-emergency services.
- You can locate the nearest available ambulance and request the same.
- Instantly get the information & contact details of the driver.
- Live track the ambulance with estimated time to reach the hospital.
- Offer all sorts of first aid inside the ambulance so that the patient becomes stable till he reaches the hospital.

Tool and Technique used

- HTML

HTML code ensures the proper formatting of text and images for your Internet browser. Without HTML, a browser would not know how to display text as elements or load images or other elements. HTML also provides a basic structure of the page, upon which Cascading Style Sheets are overlaid to change its appearance. One could think of HTML as the bones (structure) of a web page, and CSS as its skin (appearance).

- Javascript

JavaScript is commonly used for creating web pages. It allows us to add dynamic behavior to the webpage and add special effects to the webpage. On websites, it is mainly used for validation purposes. JavaScript helps us to execute complex actions and also enables the interaction of websites with visitors. Using JavaScript, it is also possible to load the content in a document without reloading the webpage

- Php

a. **versatile:** One of the major benefits of PHP is that it is platform independent, meaning it can be used on Mac OS, Windows, Linux and supports most web browsers. It also supports all the major web servers, making it easy to deploy on different systems and platforms at minimal additionalcost.

b. **It enjoys strong community support:** As a veteran scripting language that is widely used, PHP now has a large and loyal community base to support it. There are tons of tutorials, FAQs, and tips to help new PHP developers and to continue pushing the boundaries of what the language can achieve through regular updates.

c. **It's fast and secure:** Two things that every organization wants their website or application to be are fast and secure. PHP uses its own memory and competes well on speed, especially when using the newer versions. There have been questions in the past about PHP security, though it is important to note that it is not inherently more or less secure than other programming languages. One important benefit is that because of its widespread use and community support there are now many tools, frameworks and best practices to help fix vulnerabilities and protect against cyberattacks.

d. **It is well connected with databases:** PHP makes it easy to connect securely with almost any kind of database. This gives developers more freedom when choosing which database is best suited for the application being built.

The objective of this app is to provide a user friendly environment. In the era of the modern technology, there is no application available for smart phone users in India, which helps them to request for an ambulance

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Solution Approach:

There should be an android based ambulance management system through which we can improve ambulance service system. So we have tried to enhance the capabilities of a management system by linking an android app with web based platform in which user can check its request's status and admin maintain things and view user's history. It will be a totally free of cost app

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Project Oversight

The Admin and developer will be responsible to manage the system. The admin can do the processes of modification, cancellation and some other issues which can affect the system. The admin can also take the decision of changing the app design and can also demand from the developer to extent some internal features of app which can be handy.
The developer will be responsible of enhancing the app features as well as the requirements of user and the developer will also be responsible for maintaining the app through finding the bugs.

Project Description

The ambulance management system describes the system which facilitates the public in the situation of emergency.

Goals and objectives

The purpose of the application is to give better idea for rescue system with user friendly interface in case of emergency and rescue situation. At the present, there is no such application which can facilitate the people in case of emergency through a smart phone app.

Implementation Approach

The admin OR developer will participate in the design and testing of the new Ambulance Management System. They will participate in the integration and system testing as well end-user testing for the following modules: Authentication, authorization, and some other services. The participants will also support end user training classes.

The technical team will be responsible for the app development and testing as well as they will also be capable of finding the errors and unnecessary things to terminate them.

Supplementary Requirements

- Usability

The application is developed with a user friendly environment such as the font size, text alignment and other complicated things are adjusted in a simple way. User can easily understand the functions of the application.

- Reliability

System will be able to perform operation efficiently with a reliable environment and with minimum chances of losing data.

- Supportability

This application can be easily downloaded from Google play store and can be used rapidly in case of emergency

- User requirement:

The application user must have a smart phone which has the functionalities of accessing the data network or WIFI.

Quality Requirements

The Quality of System will be determined and analyzed using various factors:

- Compatible to all platform versions.
- Compatible to requirements
- Scalability

Scalability is essential in that it contributes to competitiveness, efficiency, reputation and quality. Small businesses must be particularly mindful of scalability because they have the biggest growth potential and need to maximize the return with resources

- Correctness

he process of executing a program with the intent of finding errors and is aimed primarily at improving quality assurance, verifying and validating described functionality, or estimating reliabilit

- Completeness

The purpose of software testing is to detect the situation when the results of the program do not match the input data. The easiest way to do this is to try all possible variants of the input data and verify the results.

- Fault – Tolerance

Software fault tolerance is the ability for software to detect and recover from a fault that is happening or has already happened in either the software or hardware in the system in which the software is running in order to provide service in accordance with the specification.

- Proper documentation

Documentation for an organization saves time, cost and makes testing easy and systematic. It is equally important for the client's acceptance because documentation defines a software product's effectiveness.

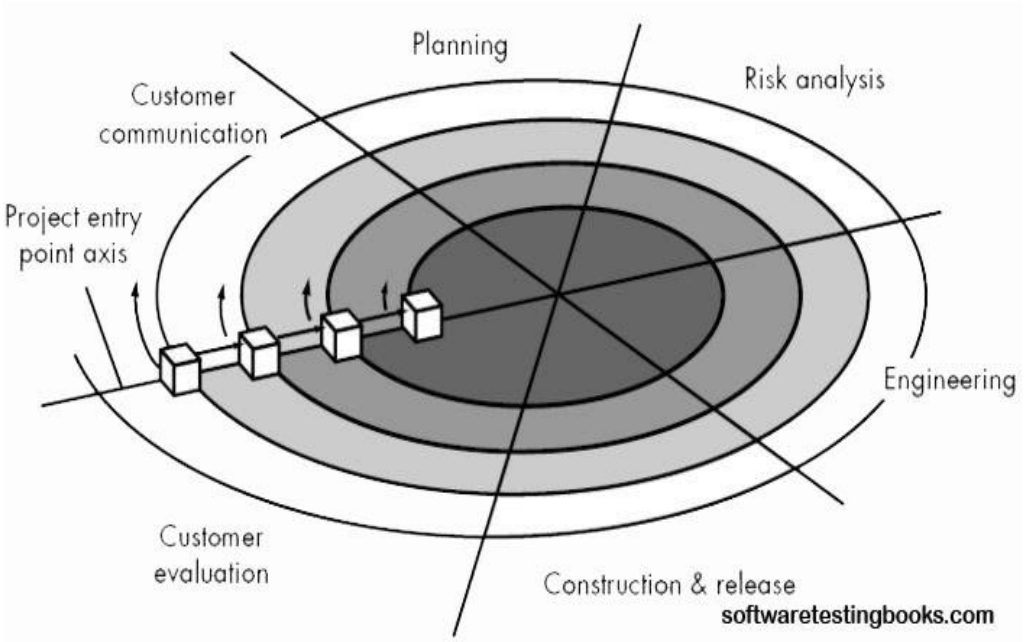
Conceptual Models

To understand the problem domain and produce a model of the system, which describes operations

that can be performed on the system, and the allowable sequences of those operations.

In this software project the spiral model is used for development. The spiral model combines the

iterative nature of prototyping with the controlled and systematic aspects of the waterfall model, there in providing the potential for rapid development of incremental versions of the software. In this model the software is developed in a series of incremental releases with the early stages being either paper models or prototypes. Later iterations become increasingly more complete versions of the product.



- **Risk Analysis:** A risk is any unfavorable event or circumstances that can occur while a project is underway. We should distinguish between a risk which is a problem that might occur from the problem currently being faced by the software.

1. **Planning:** Planning of the different types of module and their login types . Each module are planned by their work and their rights

Planning the Project

Project management involves the planning of the project. Initially project is defined as the methodologies that are commonly use in software development. Some steps are required to fulfill the work of the application.
The project plan implemented to get the balance between resource usage and project timing to command with the project purposes.

Advantages of Planning

- It describes the direction of acting that we propose to pledge.
- It tells estimated time that is required for a project.
- It tells us about the expenses or budget that is involved in the project.
- It gives us the idea to get prepared for emergencies which may occur during the project.
- A well-defined plan tells us idea about the work that is to be done every day, week and month.
- It helps to avoid duplication.
- A plan tells everyone a brief idea to play an important role in the project.

Strategy plans are of both types i.e. short term and long term.

Chosen SE Methodology

Waterfall Process Model

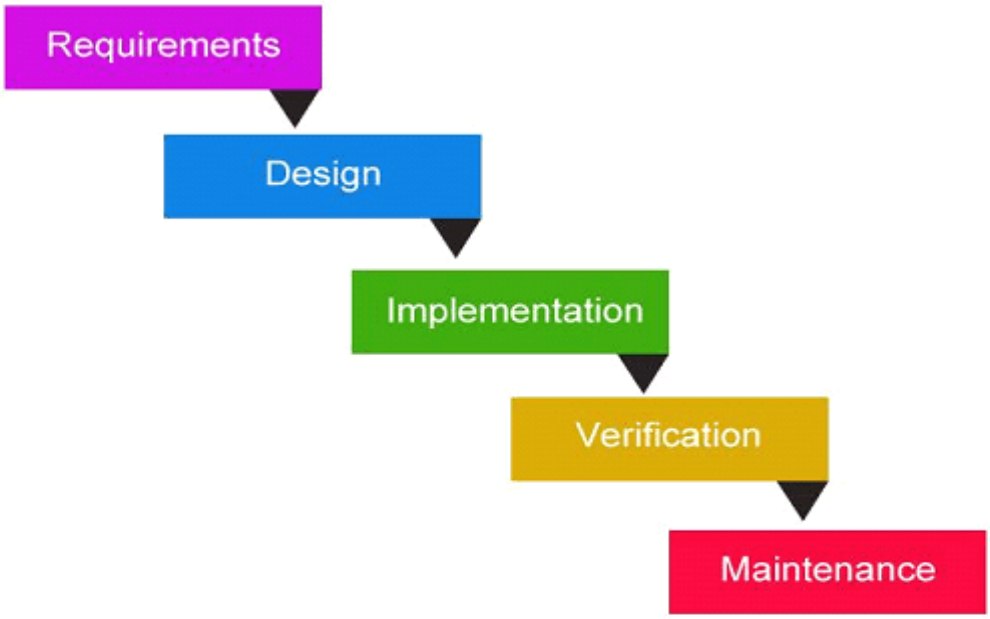


Figure 1 Waterfall Model

The waterfall process model is a documentation model. This model generates complete and comprehensive documents and responsible for the maintenance task because the feedback of user must fulfill on each phase of development.
In case of mistake on any stage referred back to source and the steps will be repeated by updating according to the demand.

The five stages are as follows

- **Analysis:** During this phase it will be checked that what is going on in development process and how the development should is achieved.

- **Design:**
  Basic Design: When the analysis phase is successfully completed then the second phase in which we will focus is the basic design of the application.

Technical Design/Detail Design: After the basic design phase, we will enhance over design by improvements by placing the modules and programs of the basic design application on the suitable places.

- **Implementation:** In this phase the source code of the programs is written.

- **Testing:** In testing phase we will check the analysis and design phases accurately or precisely by continuously passing through the tasting process and in case of some bug during the testing process then the bug should be removed

- **Integration:** In the phase of Integration, the company will implement the application for the user to use this application.

- **Maintenance:** This phase includes the management of the app through maintenance which will ensure that our design is implementing according to the requirement.

All the above phases approve the waterfall model referred a function in a systematic way which cause the development of the software.

2.2.3 Reason for chosen methodology

The waterfall model is a famous model for the systems development life cycle model. The waterfall model explains development method. Waterfall development has many goals at each development level where each phase is completed the model will move on the next phase and never return back.

The main advantage of the waterfall model is the completely control on the management.This process is useful for the on time project delivery such as each stage has been planned in detail. Joint application development (JAD), rapid application development (RAD) and the spiral model can be used as the replacement models of the waterfall model.

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- **Customer communication:** There is a effective customer communication in the software. Customer can give their feedback; can also

give their suggestions and also their feedback. All this will store in the database.

2. **Customer evaluation:** The process progresses in spiral sense to indicate the iterative path followed, progressively a more complete software is built as we go on iterating through all four phases. The first iteration in this model is considered to be most important, as in the first iteration, almost all possible risk factors, constraints, requirements are identified and in the next iterations, all known strategies are used to bring up a complete software system. The radical dimensions indicate evolution of the product towards a complete system.

Engineering: In this phase, the actual development of the project is carrieoutput of this phase is passed through all the phases iteratively iorder to obtain Module Division

The model is divided into a number of task regions. These regions are:

a. **The customer communication task**: to establish effective communication between developer and customer.
b. **The planning task:** to define resources, time lines and other project related information.
c. **The risk analysis task:** to assess both technical and management risks.
d. **The engineering task:** to build one or more representations of the application.
e. **The construction and release task:** to construct, test, install and provide user support (e.g., Documentation and training).

The customer evaluation task: to obtain customer feedback based on the evaluation of the software representation created during the engineering stage and implemented during the install stage The evolutionary process begins at the centre position and moves in a clockwise direction. Each traversal of the spiral typically results in a deliverable.

For example, the first and second spiral traversals will result in the production of a product specification and a prototype, respectively. Subsequent traversals may then produce more sophisticated versions of the software. An important distinction between the spiral model and other software models is the explicit consideration of risk. There are no fixed phases such as specification or design phases in the model and it encompasses other process models. For example, prototyping may be used in one spiral to resolve requirement uncertainties and hence reduce risks. This may then be followed by a conventional waterfall development. Each of the regions is populated by a set of work tasks called a task set that are adapted to characteristics of the project to be undertaken. For small projects the number of tasks and their formality is low. Conversely, for large projects the reverse is true.

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System Design

- Architecture

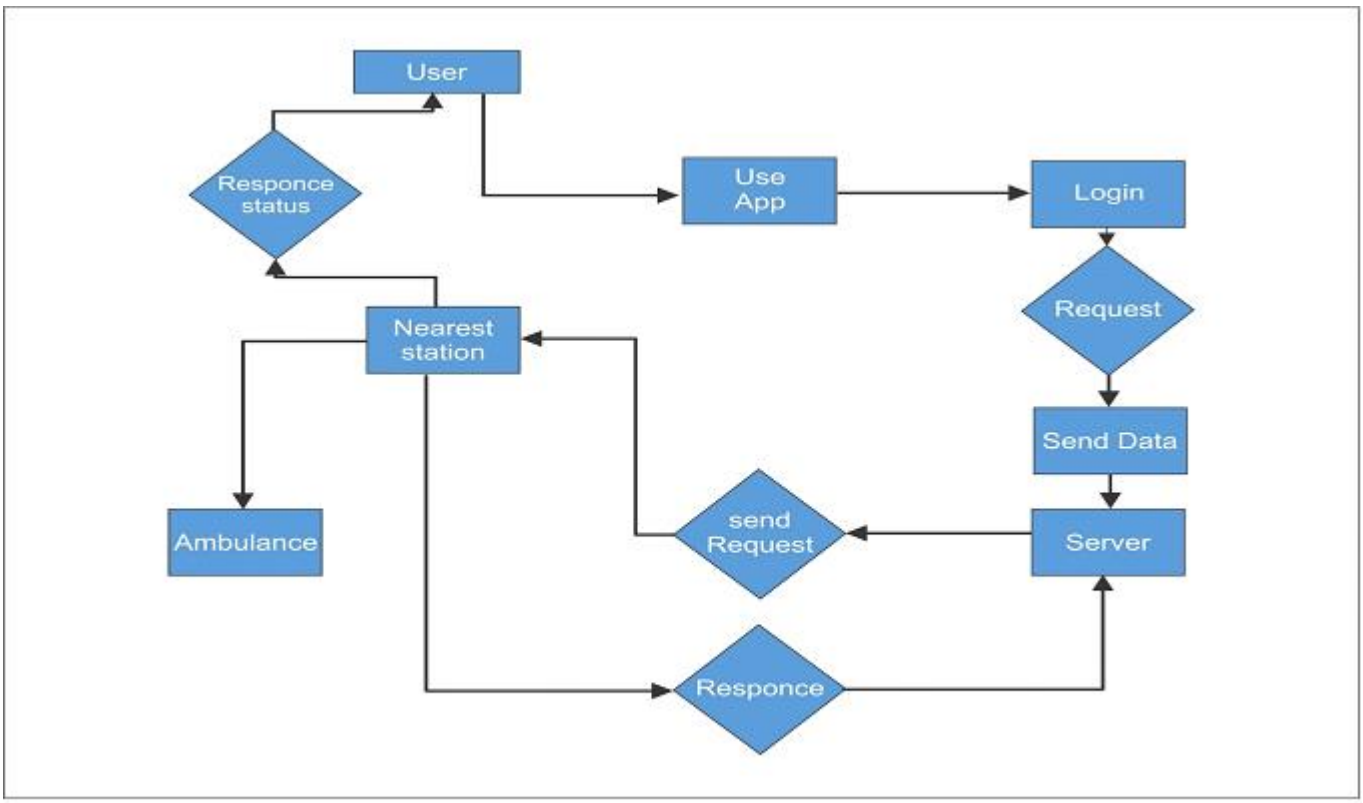
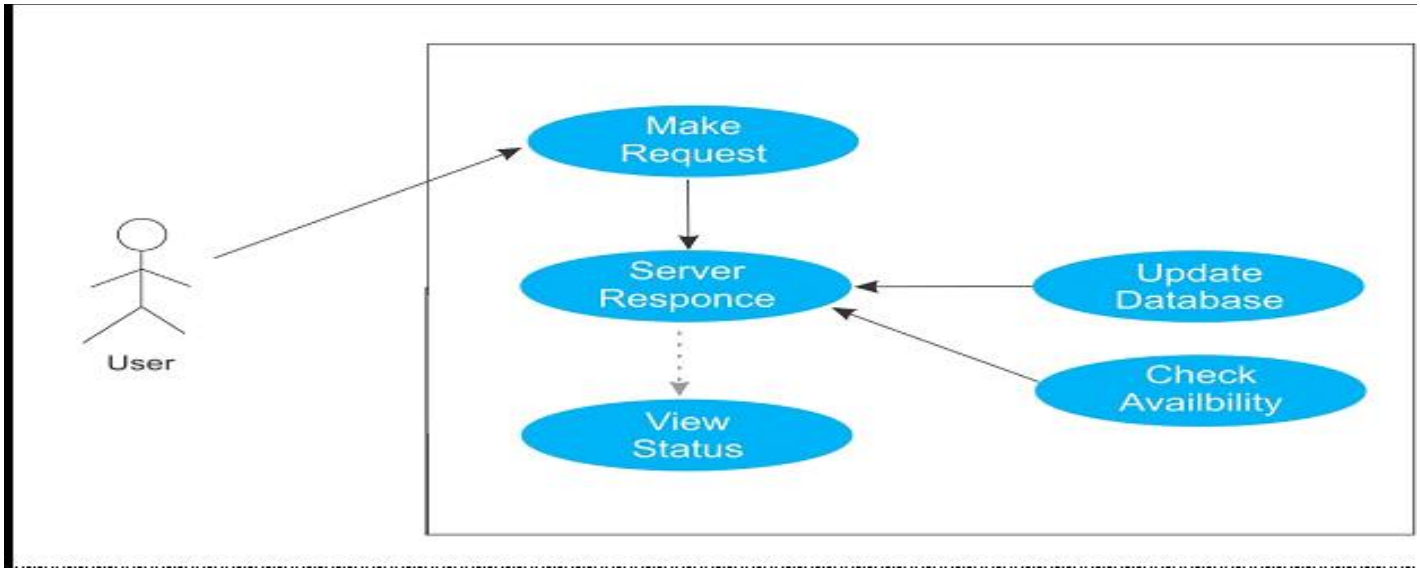
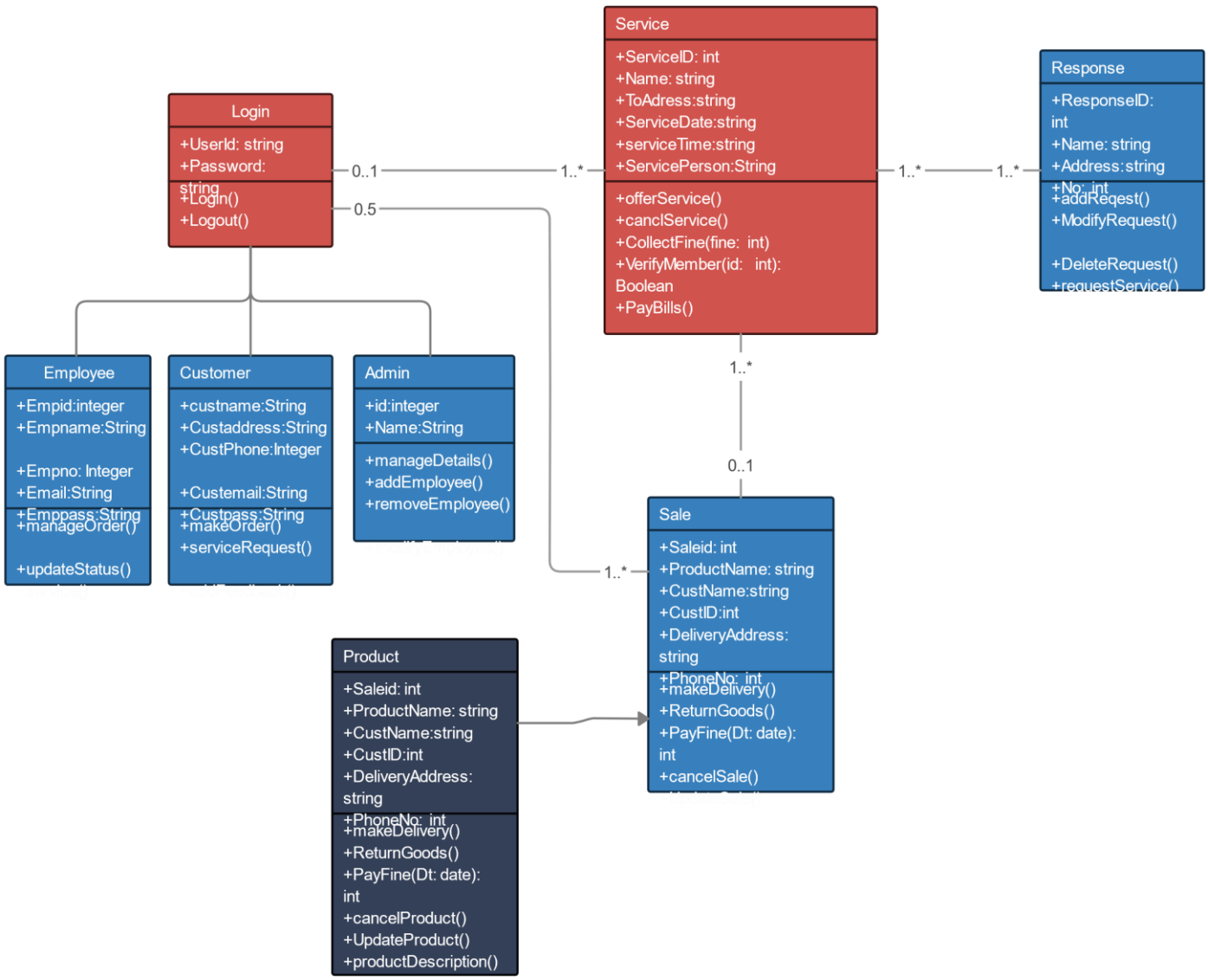


Figure 1.2 Extended View of General Process Diagram

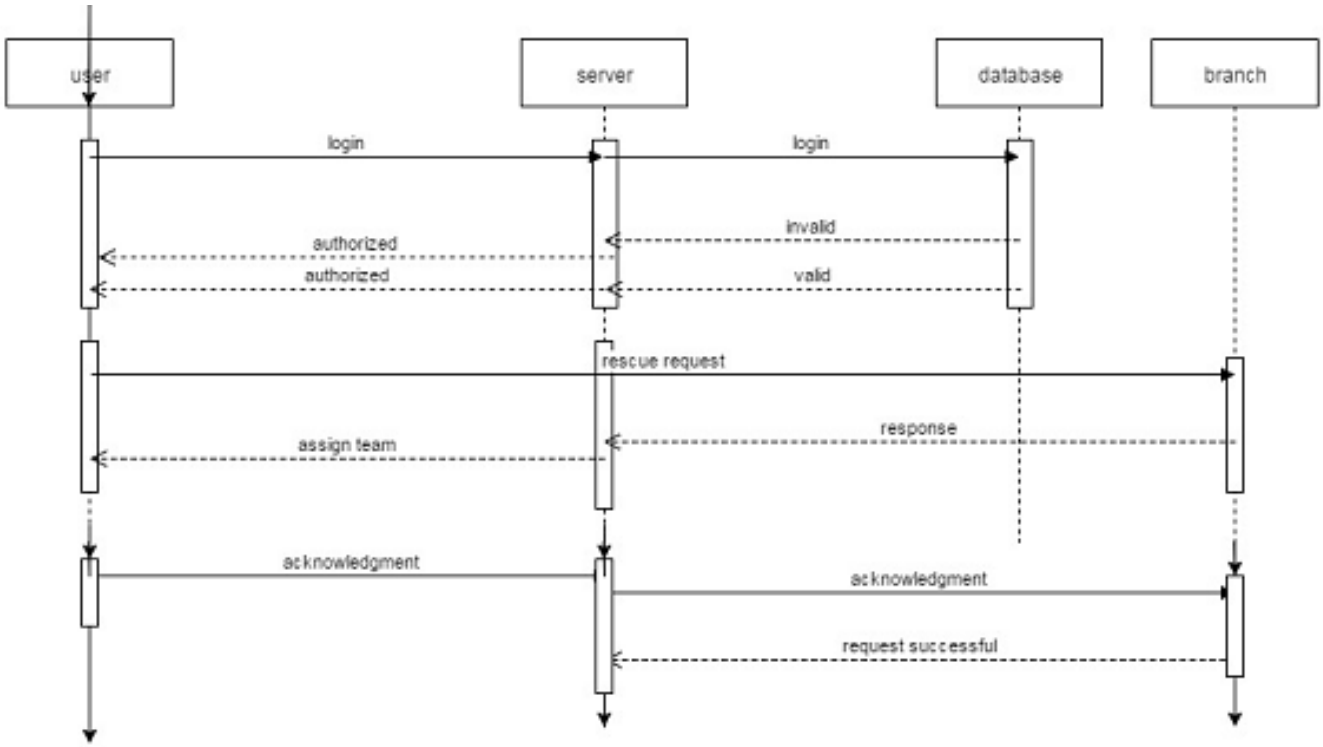
- Usecase Diagram



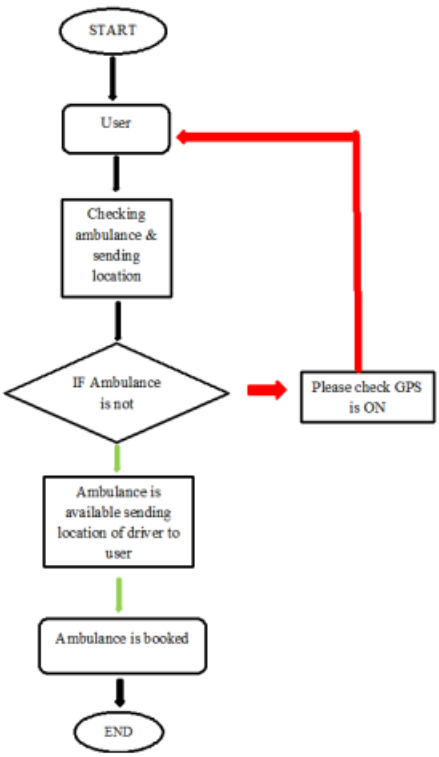
- **Class Diagram**



- **Sequence Diagram**



- **Activity Diagram**



Testing Approach

A test approach is the test strategy implementation of a project, defines how testing would be carried out.

Test approach has two techniques:

- **Proactive** - An approach in which the test design process is initiated as early as possible in order to
  find and fix the defects before the build is created.
- **Reactive** - An approach in which the testing is not started until after design and coding are
  completed.

Functional Testing

- Function testing verifies that each function of the software application operates in conformance with the requirement specification. The testing mainly involves black box testing and it is not concerned with the source code. The functionality of the system by providing appropriate input, verifying the output and comparing the actual result with expected result.
- Functional testing can be performed on OAS to check that the appropriate output is coming from the input provided. Each Activity in OAS include validation in which the next activity is depend upon the user choice.

Structural Testing

- The structural testing is the testing of the structure of the system or component. Structural testing is often referred to as ‘white box’ or ‘glass box’ or ‘clear-box testing’ because in structural testing, testing is done to check what is happening inside the system. In structural testing the testers

are required to have the knowledge of the internal implementations of the code. Here the testers require knowledge of how the software is implemented, how it works.

- In OAS structural testing is done to check how the loops in the software are working.

Different test cases may be derived to exercise the loop once, twice, and many times. This may be done regardless of the functionality of the software. Structural testing checks whether the code written is correct or not. The code in tour and travel is written correctly and is error free. It check that the menu option is working properly or not. And all the menu Items including the correct link to the correct from.

Unit Testing

- Is this testing is done by the developers on the individual units of source code assigned area.

  The developers use test data that is separate from the test data of the quality assurance team. The goal of unit testing is to isolate each part of the program and show that individual parts are correct in terms of requirements and functionality.

- In this we have tested each and every module separately just to know that they are working

  properly and giving the desired output.

Integration Testing

- The testing of combined parts of an application to determine if they function correctly together

  is Integration testing.

- In this phase of testing we are emphasizing on how two or more applications or functions are working with each other . Like how are they activities are depend upon each other, which activity is come under which module.

System Testing

- This is the next level in the testing and tests the system as a whole. Once all the components are integrated, the application as a whole is tested rigorously to see that it meets Quality Standards.
- This type of testing is performed by a specialized testing team.
- System testing is so important because of the following reasons:
    I. System Testing is the first step in the Software Development Life Cycle, where the application is tested as a whole.
    II. The application is tested thoroughly to verify that it meets the functional and technical specifications. The application is tested in an environment which is very close to the production environment where the application will be deployed.
    III. System Testing enables us to test, verify and validate both the business requirements as well as the Applications Architecture

Alpha Testing

This test is the first stage of testing and will be performed amongst the teams (developer and QA

teams). Unit testing, integration testing and system testing when combined are known as alpha testing. During this phase, the following will be tested in the application:

- Spelling Mistakes
- Broken Links
- Cloudy Directions

Beta Testing

I. This test is performed after Alpha testing has been successfully performed. In beta testing a sample of the intended audience tests the application. Beta testing is also known as pre-release testing.

II. Beta test versions of software are ideally distributed to a wide audience on the Web, partly to give the program a "real-world" test and partly to provide a preview of the next release. In this phase the audience will be testing the following:

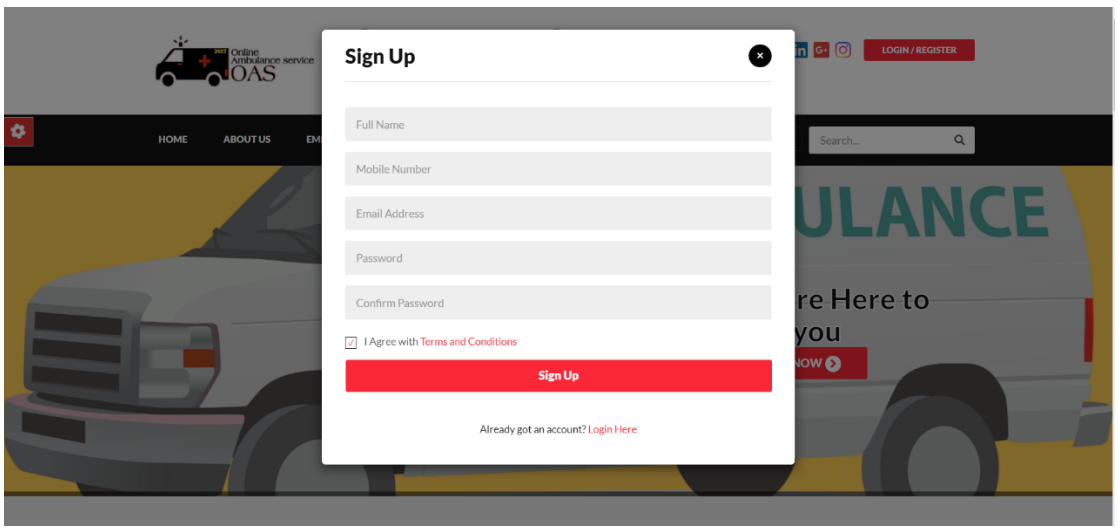
III. Users will install, run the application and send their feedback to the project team.

- Typographical errors, confusing application flow, and even crashes.
- Getting the feedback, the project team can fix the problems before releasing the software to the
  actual users.
- The more issues you fix that solve real user problems, the higher the quality of your
  application will be.
- Having a higher-quality application when you release to the general public will increase customer satisfaction

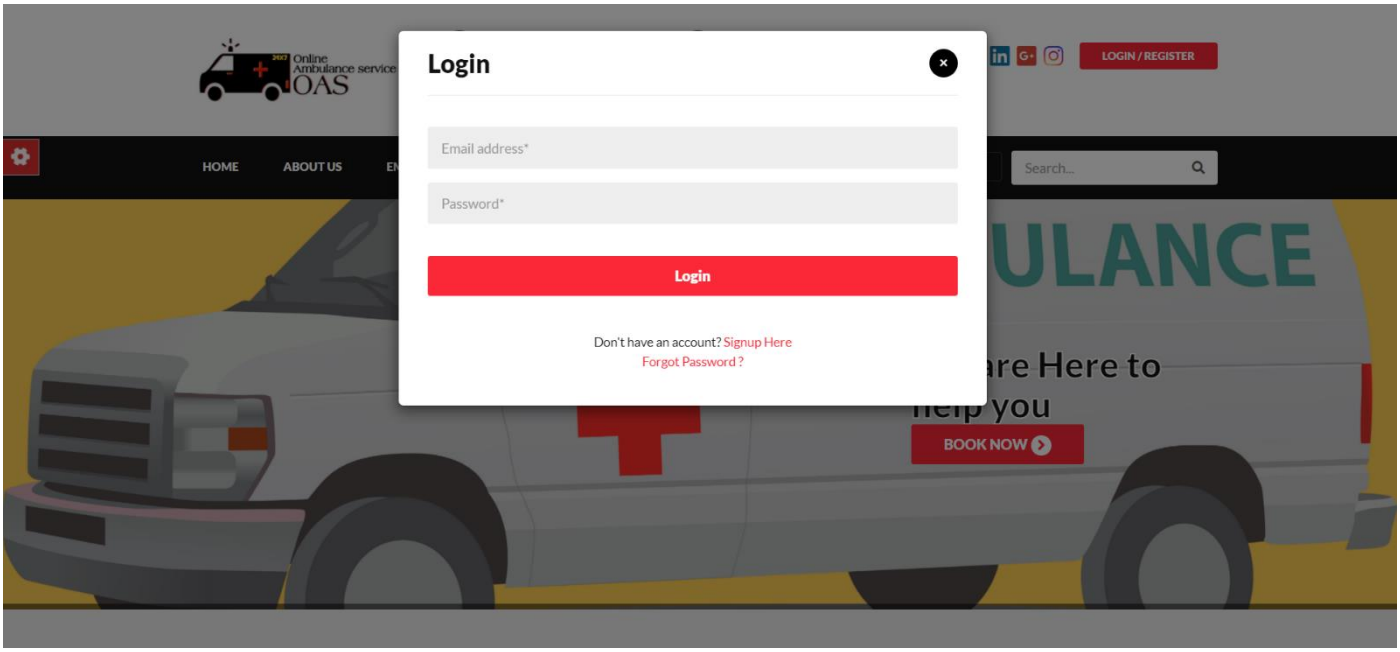
Core Features of OAS

- **Profile creation:**

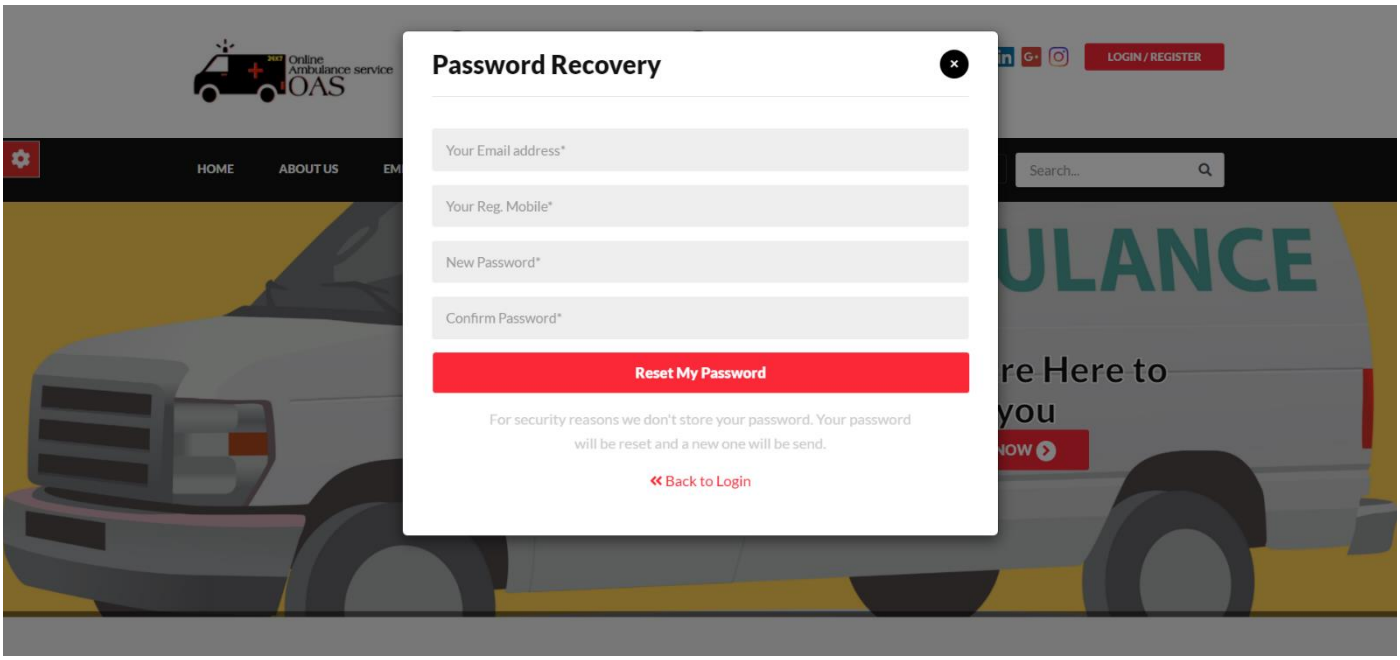
customers must be able to signup using their email IDs Once si, they should be asked to fill up personal details like Name, Address, Age, Contact Details, Chronic Diseases(if any) for record.



After succesfull completion of sign up the user must need to login into the website using login credentials such as email and password

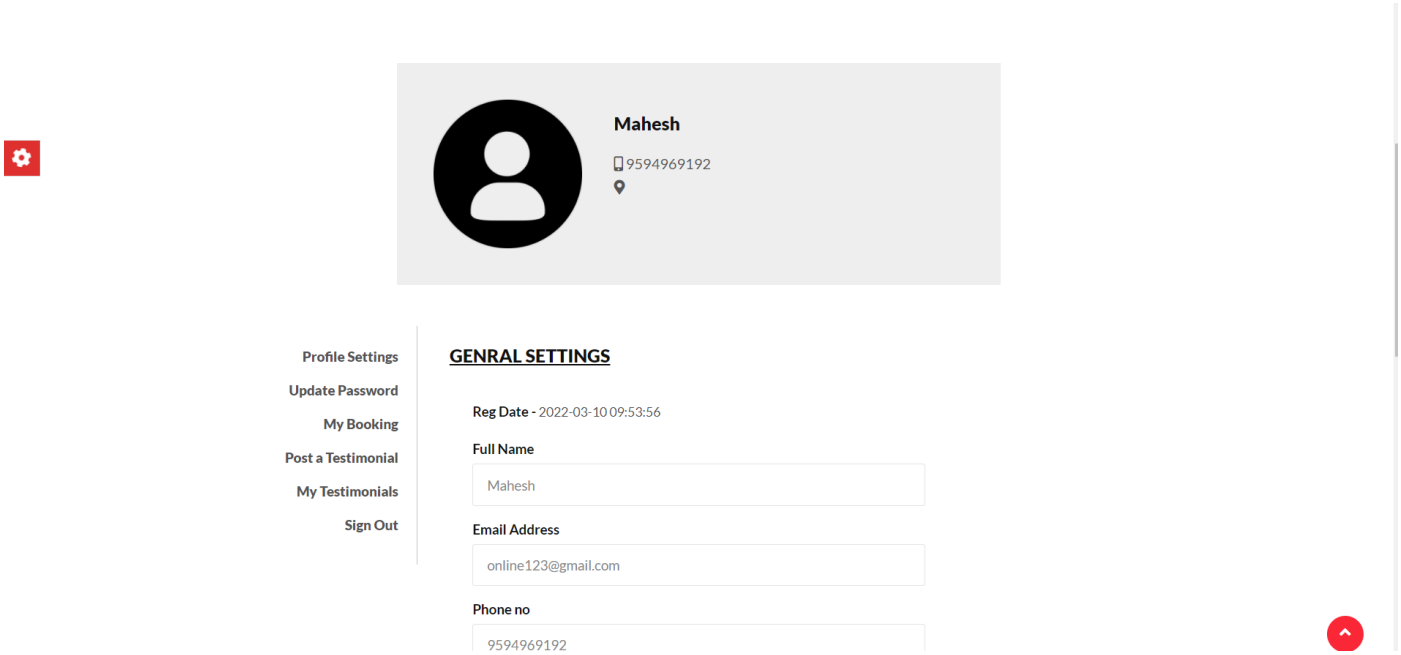


And even sometimes if you forgot your password you will be able to change the password using the forgot password option by putting in certain credentials.



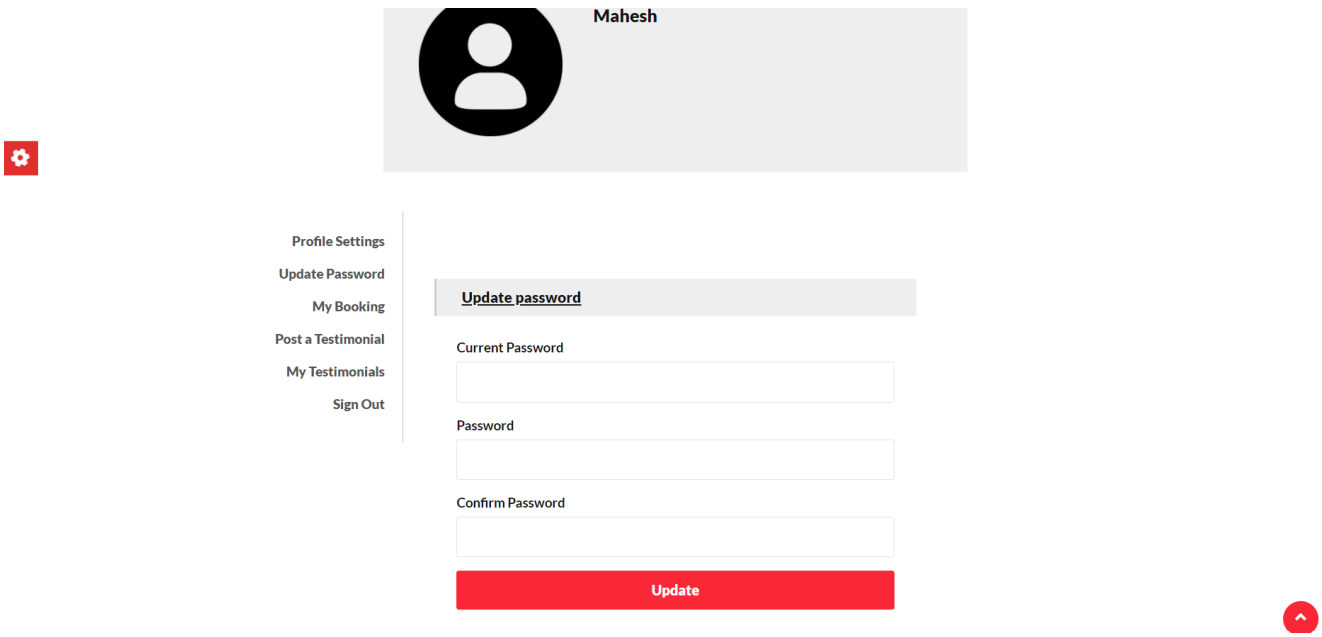
User Features

- **Profile setting**



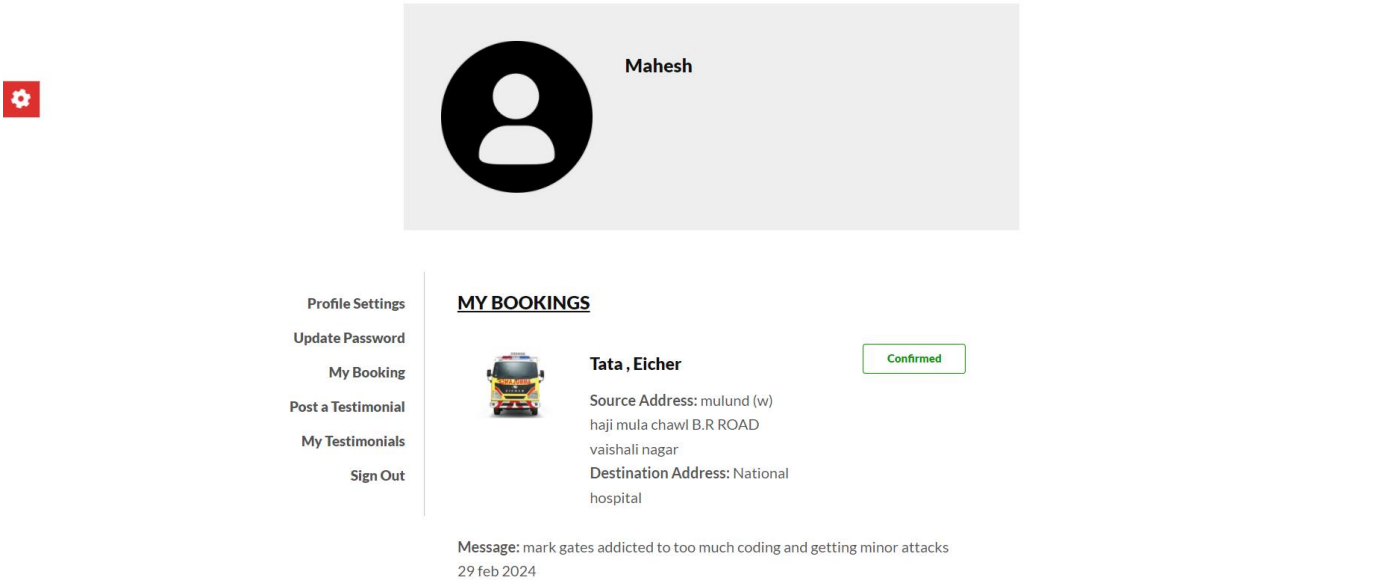
- **Update password**

You can use these feature in case you find out that someone has got to know or password and even for privacy concern you would be able to change your password using your current password



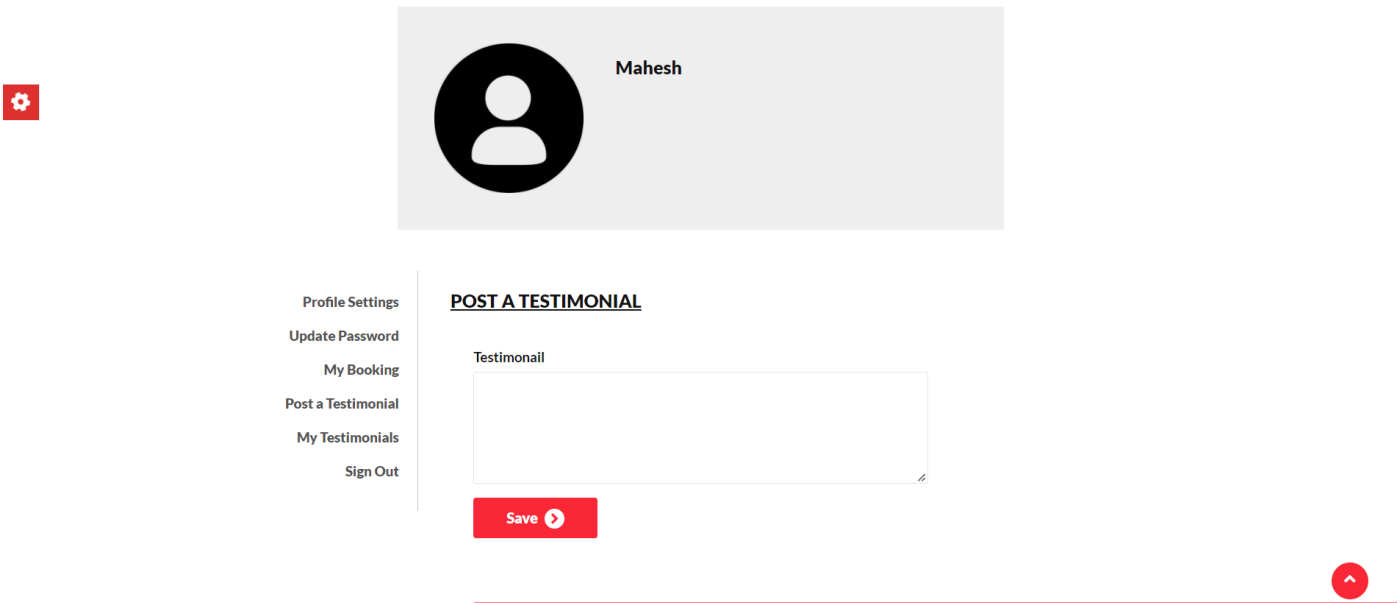
- **My Booking**

Here you would be able to see all the bookings that you have made using your account



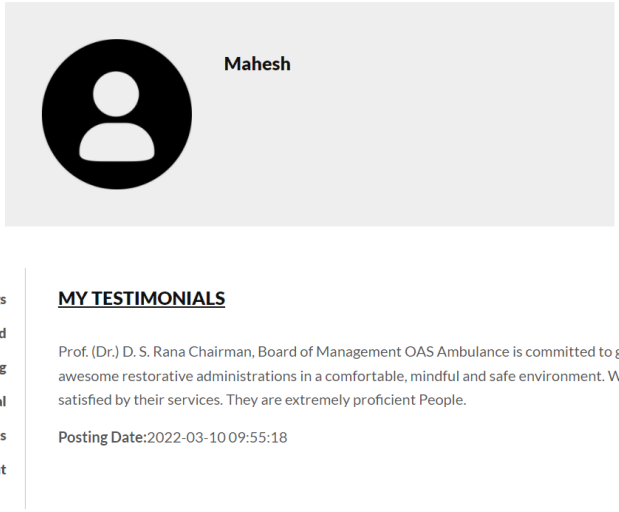
- **Post a Testimonial**

You can share all your Experiences here.



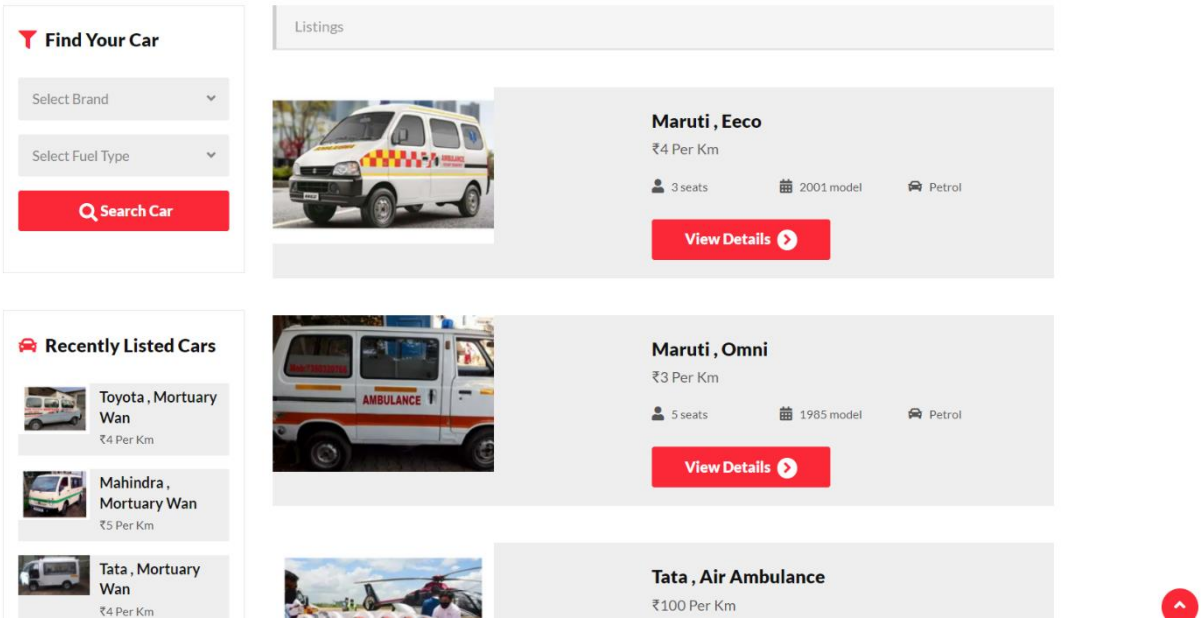
- **My Testimonial**

Here you would be able to see all your experiences that you have shared using OAS



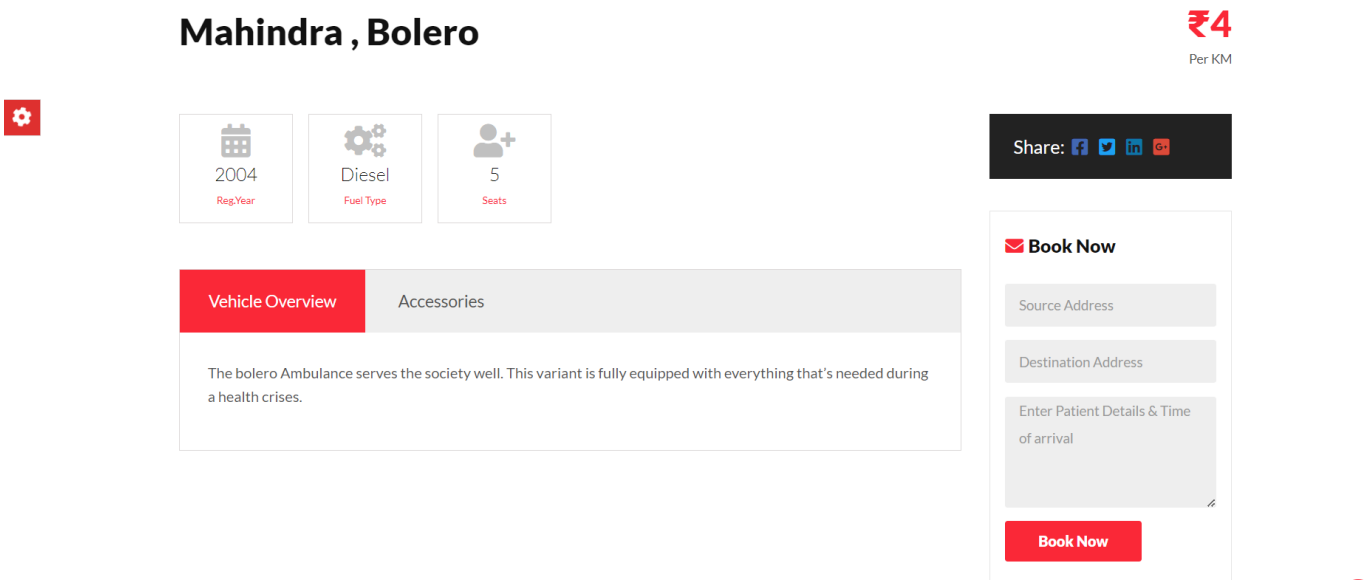
- **Other Features**
  - **Select Ambulance Type**

Enable users to select from the list of the kind of vehicle as per their requirement.



- ## Schedule an ambulance

Users must be able to to schedule an ambulance for pick-up at a later date or time for non emergency cases

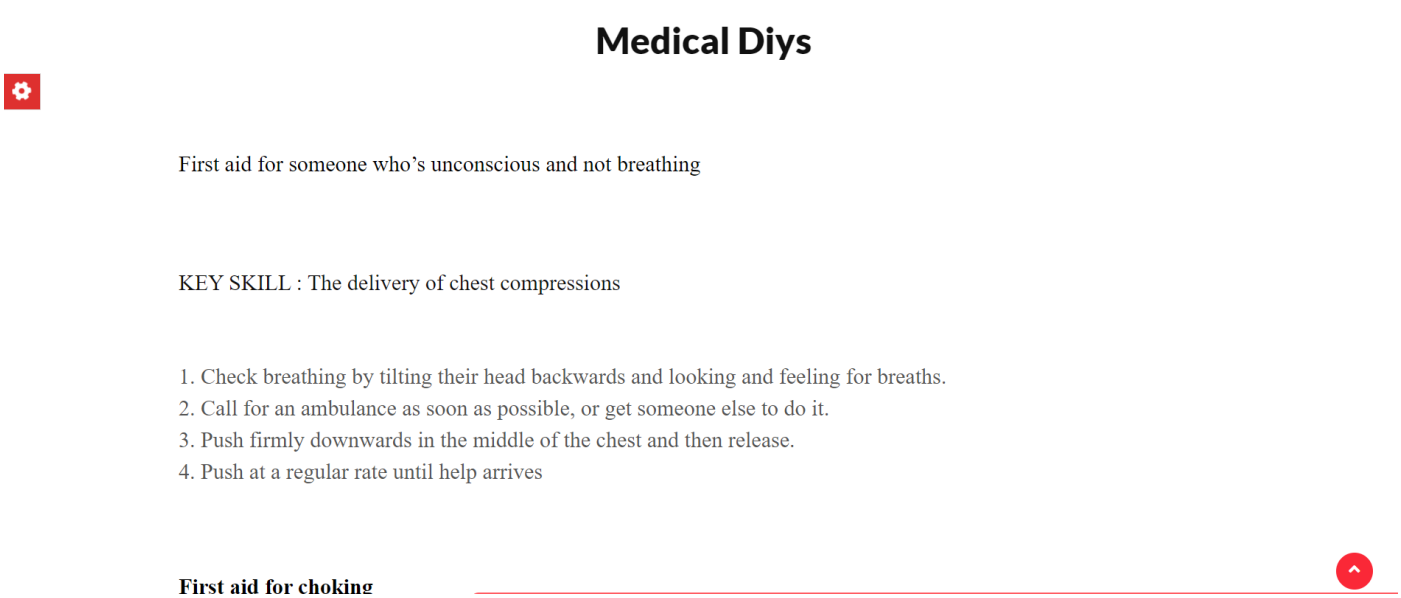


- ## Blood banks

Here you will find all the blood bank that are located all over the Mumbai city

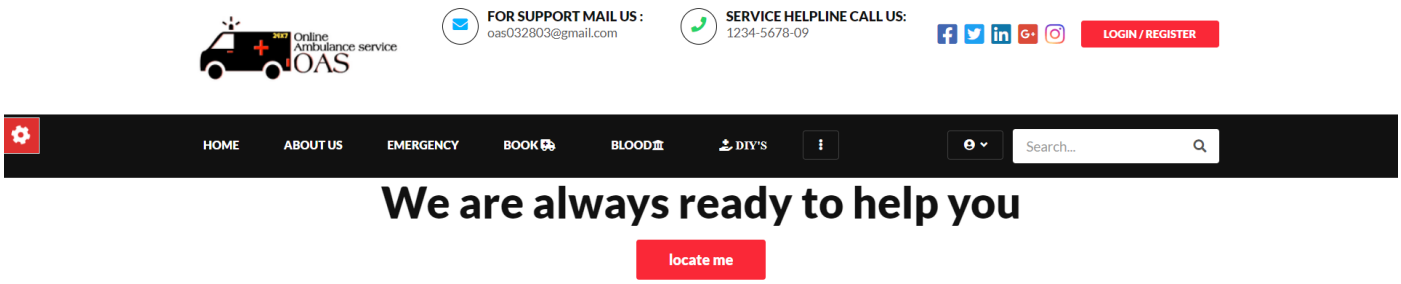
- **Medical Diy's**

  In this section you would be able to know what all the the precautions that can be done untill the ambulance arrives.

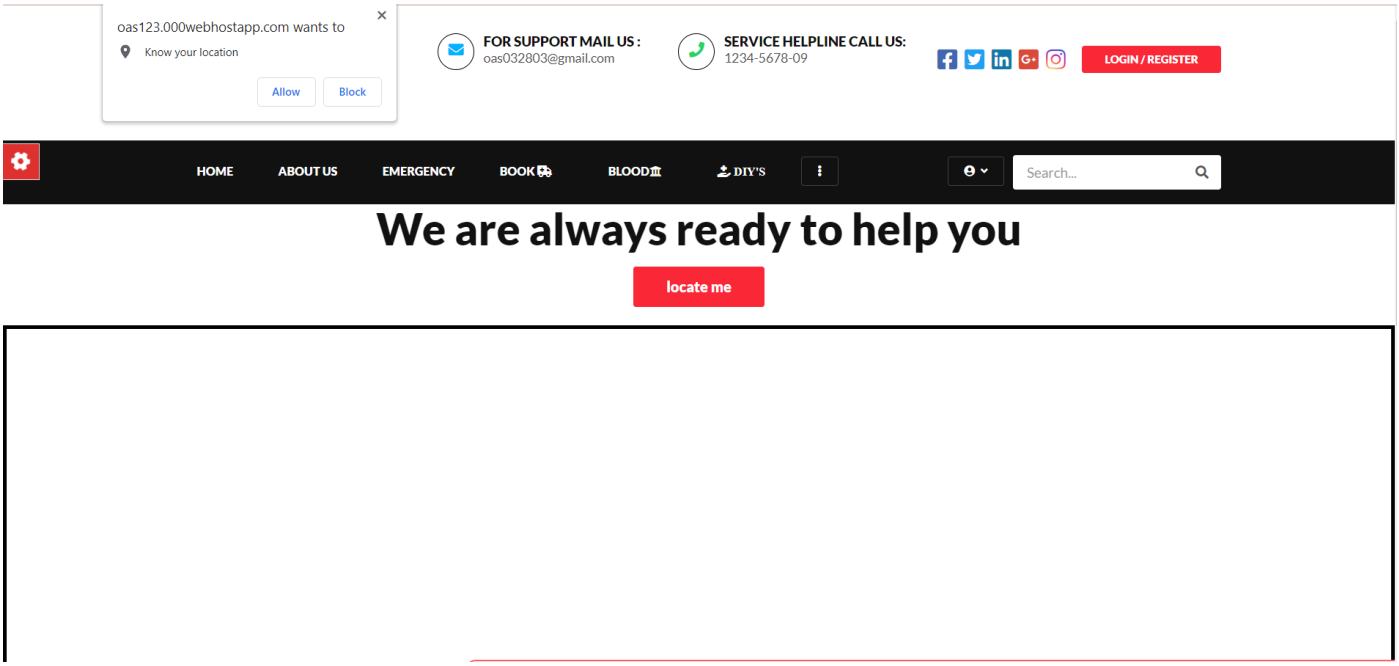


- **Emergency**

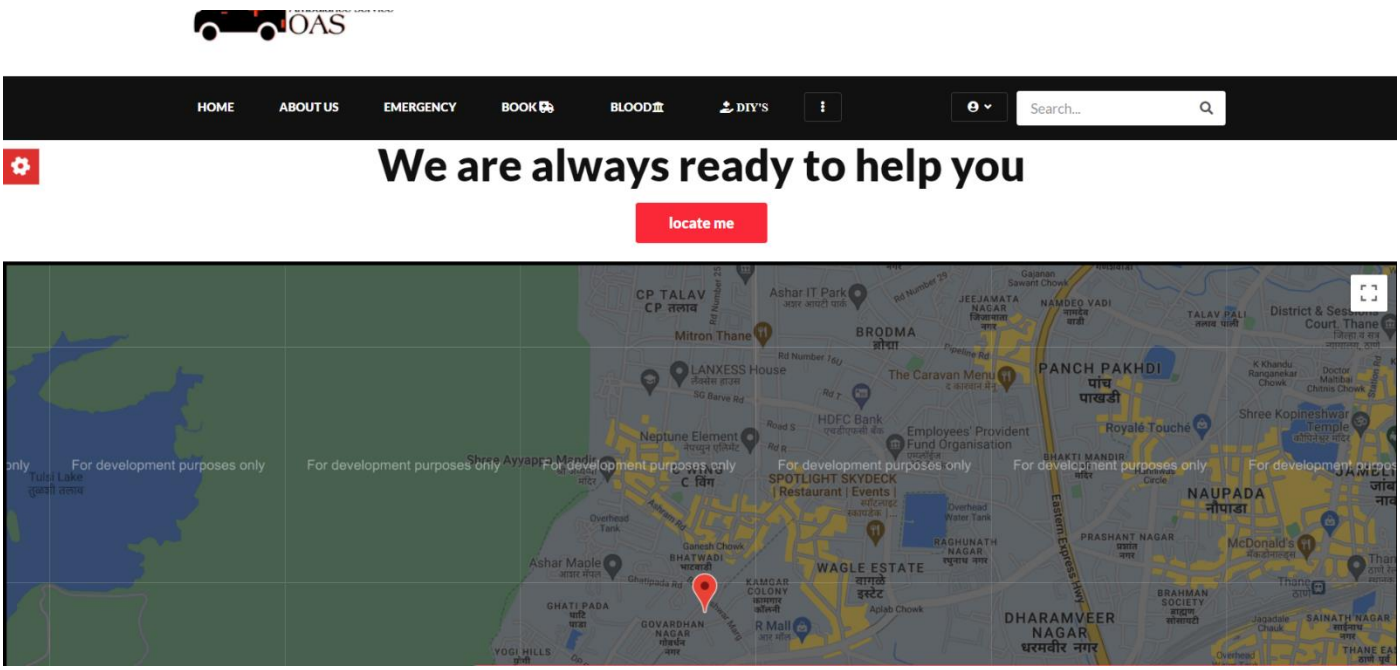
The user will use this feature in times of Emergency. Or critical situation



The user will need to press locate me button . a dialog box will appear asking for location



Once given permission the user will get his location on the map as well as ambulance near him



- **Book for Others**

A lot of times, users may be booking an ambulance for people they don't know, say, in case of an accident. Such a feature will help him add contact details of somebody associated with the victim rather than having to escort the victim to the hospital himself.

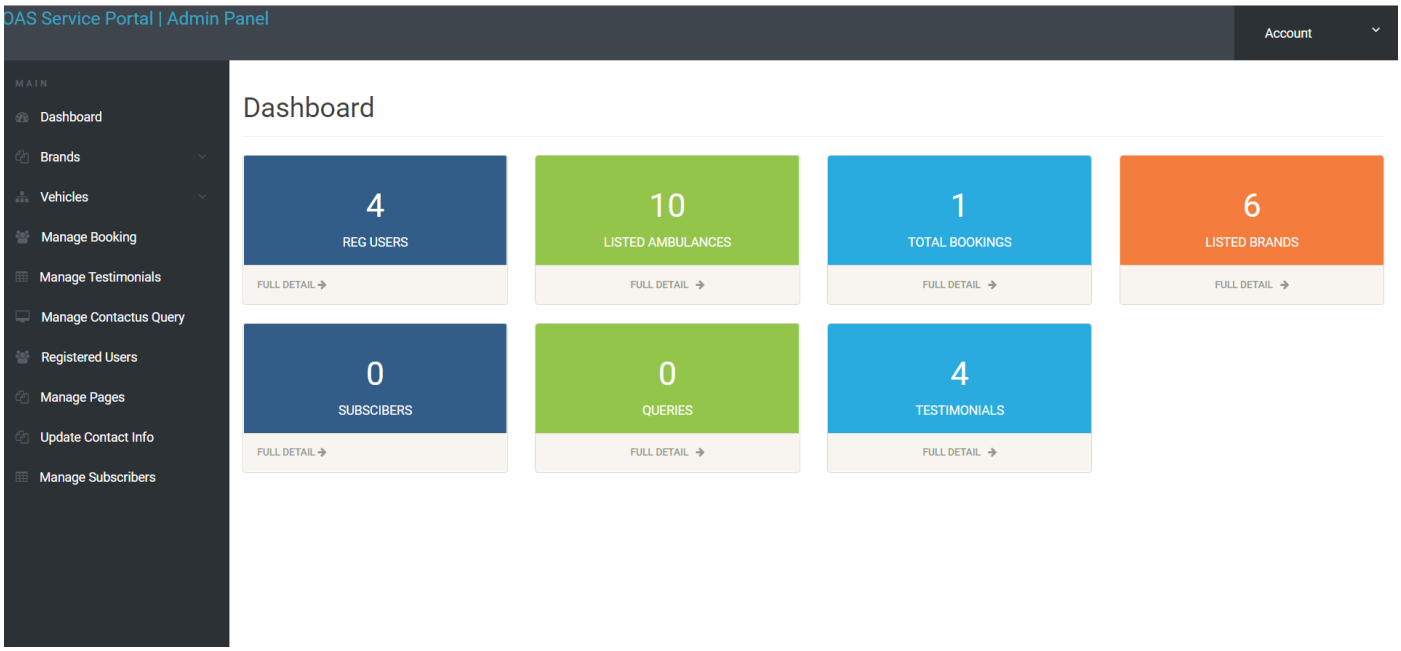
- **Cancel Booking**

Enable users to cancel a booking, if required.

- **Booking History**

Such a feature is required for record and for future reference. It may also help users to repeat a service request, say, for chronic illness patients.

Admin Features



- **Dashboard**

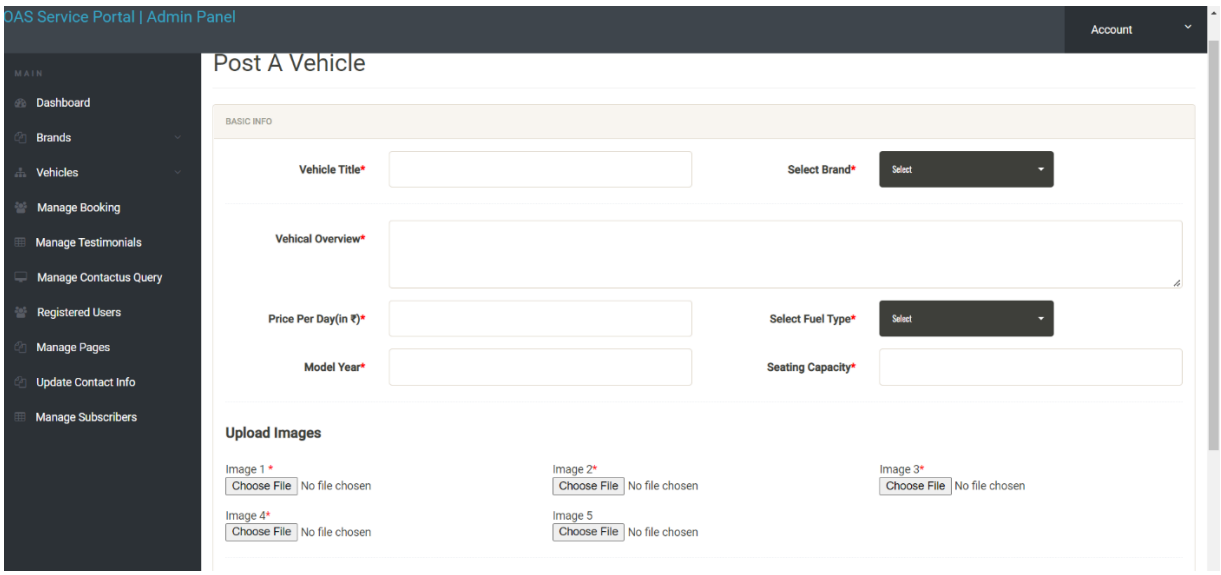
Here the admin would be able to get the overviews of all the feature like the number of bookings , vehicles , testimonial ect

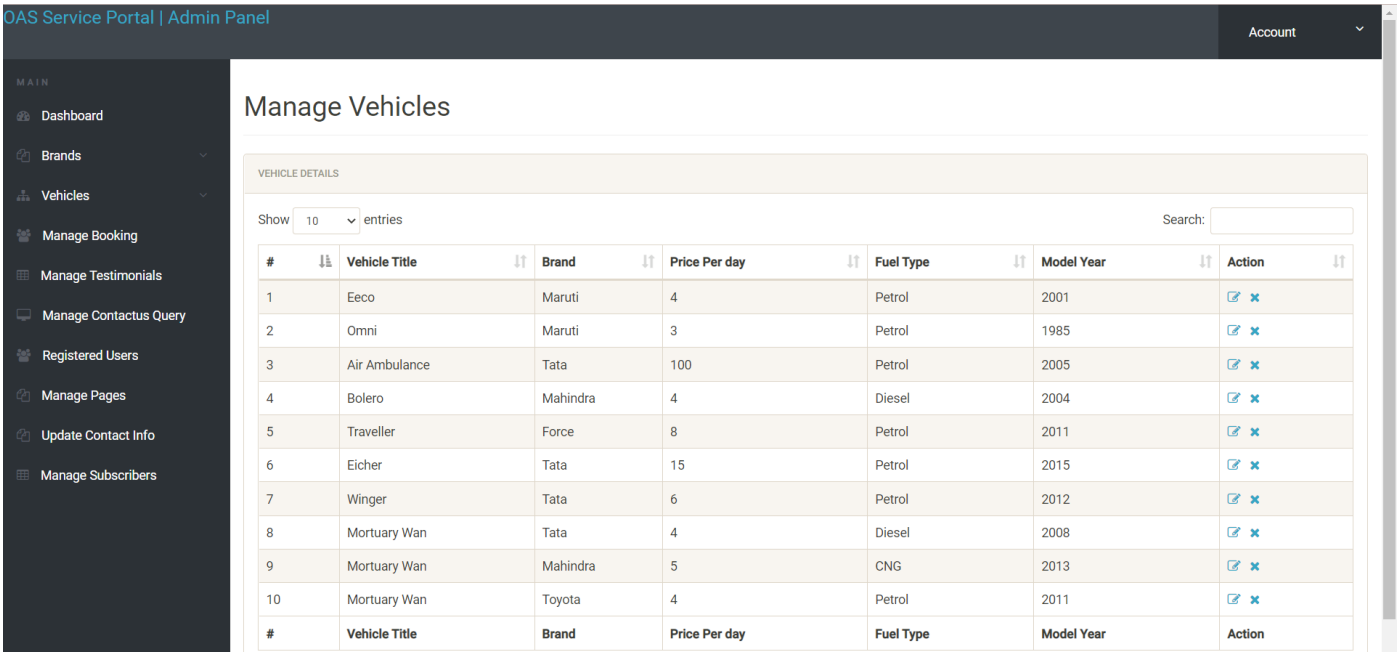
- **Brand**

Here the admin would be able to create a brand name if some new vehicle company has been included

- **Vehicles**

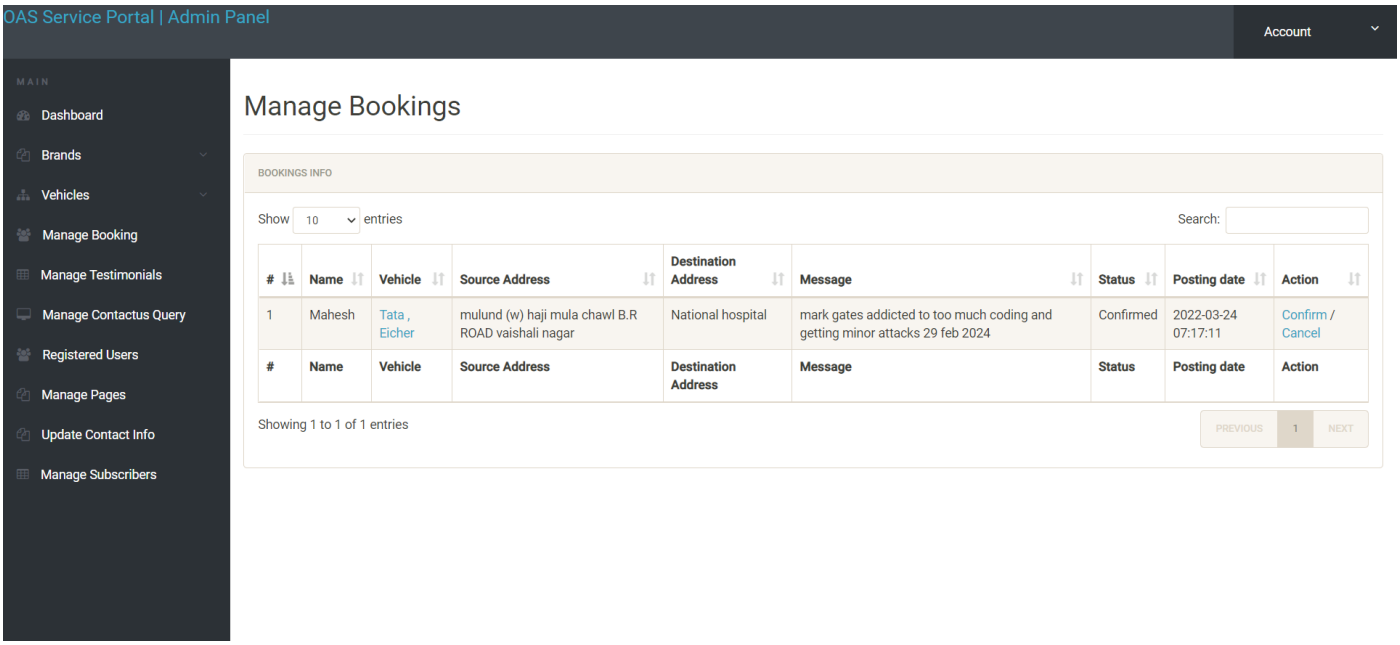
With the help Of these feature the admin would be able to introduce a new vehicles as well as managing the existing vehicles


OAS Service Portal | Admin Panel
Account
MAIN
Dashboard
Brands
Vehicles
Manage Booking
Manage Testimonials
Manage Contactus Query
Registered Users
Manage Pages
Update Contact Info
Manage Subscribers
Post A Vehicle
BASIC INFO
Vehicle Title*
Select Brand*
Select
Vehical Overview*
Price Per Day(in ₹)*
Select Fuel Type*
Select
Model Year*
Seating Capacity*
Upload Images
Image 1 *
Choose File No file chosen
Image 2*
Choose File No file chosen
Image 3*
Choose File No file chosen
Image 4*
Choose File No file chosen
Image 5
Choose File No file chosen


OAS Service Portal | Admin Panel
Account
MAIN
Dashboard
Brands
Vehicles
Manage Booking
Manage Testimonials
Manage Contactus Query
Registered Users
Manage Pages
Update Contact Info
Manage Subscribers
Manage Vehicles
VEHICLE DETAILS
Show 10 entries
Search:
Vehicle Title Brand Price Per day Fuel Type Model Year Action
1 Eeco Maruti 4 Petrol 2001
2 Omni Maruti 3 Petrol 1985
3 Air Ambulance Tata 100 Petrol 2005
4 Bolero Mahindra 4 Diesel 2004
5 Traveller Force 8 Petrol 2011
6 Eicher Tata 15 Petrol 2015
7 Winger Tata 6 Petrol 2012
8 Mortuary Wan Tata 4 Diesel 2008
9 Mortuary Wan Mahindra 5 CNG 2013
10 Mortuary Wan Toyota 4 Petrol 2011
Vehicle Title Brand Price Per day Fuel Type Model Year Action

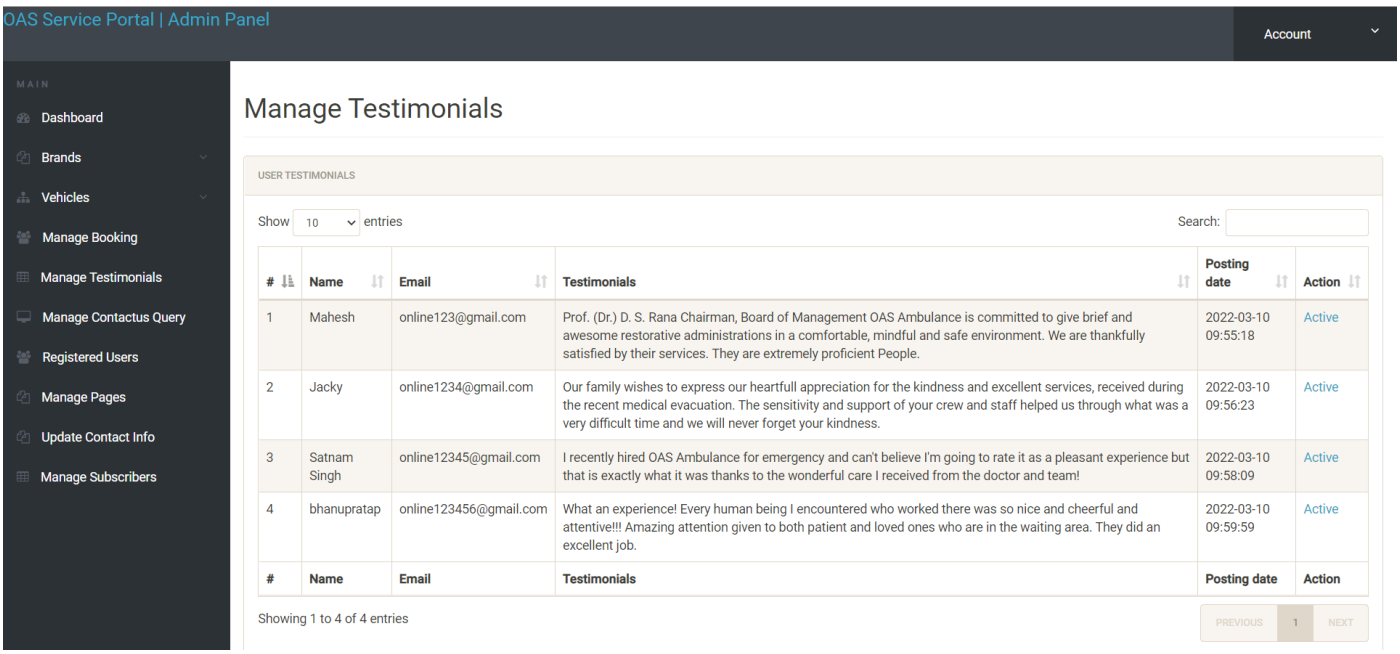
- **Manage Booking**

In these Feature the admin will be able accept the booking as well as cancel due to some reason



- **Manage Testimonial**

Here all the testimonial posted by the user would be available and admin will have the right to display the testimonial or not

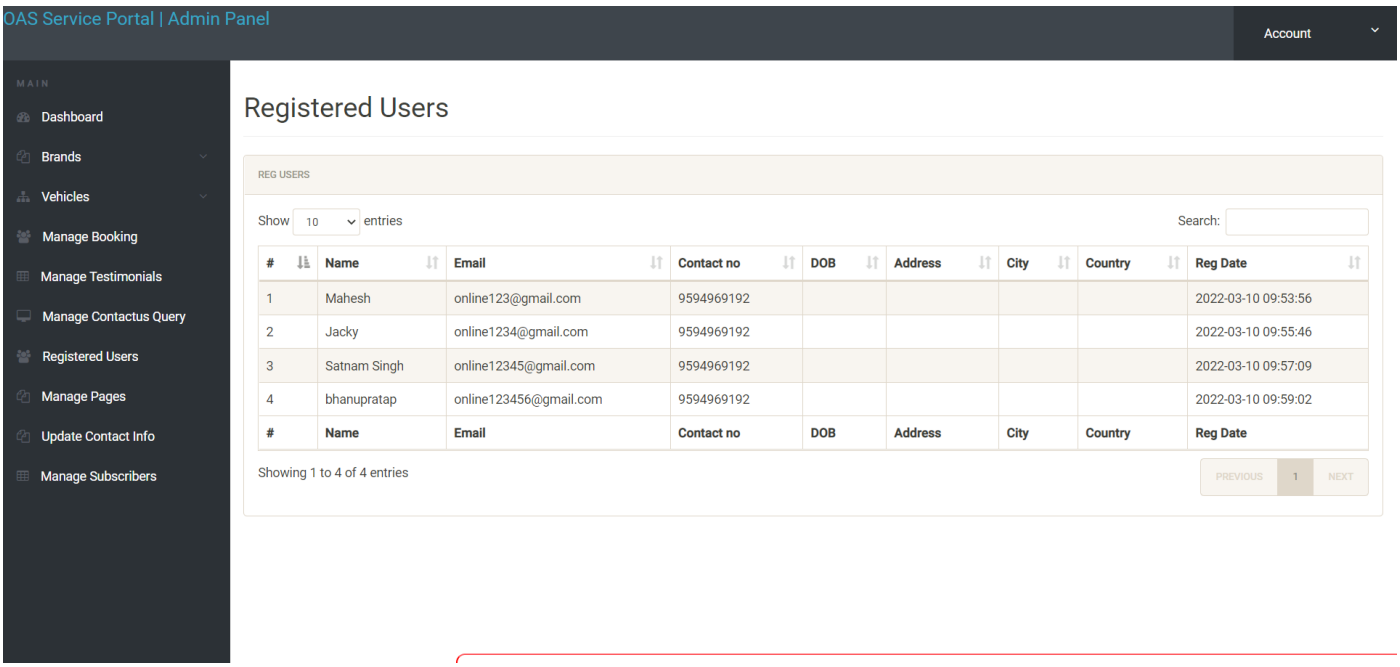


- **Manage Contactus Query**

All the queries faced by the user will be displayed here and the admin resolve their queryas quick as possible

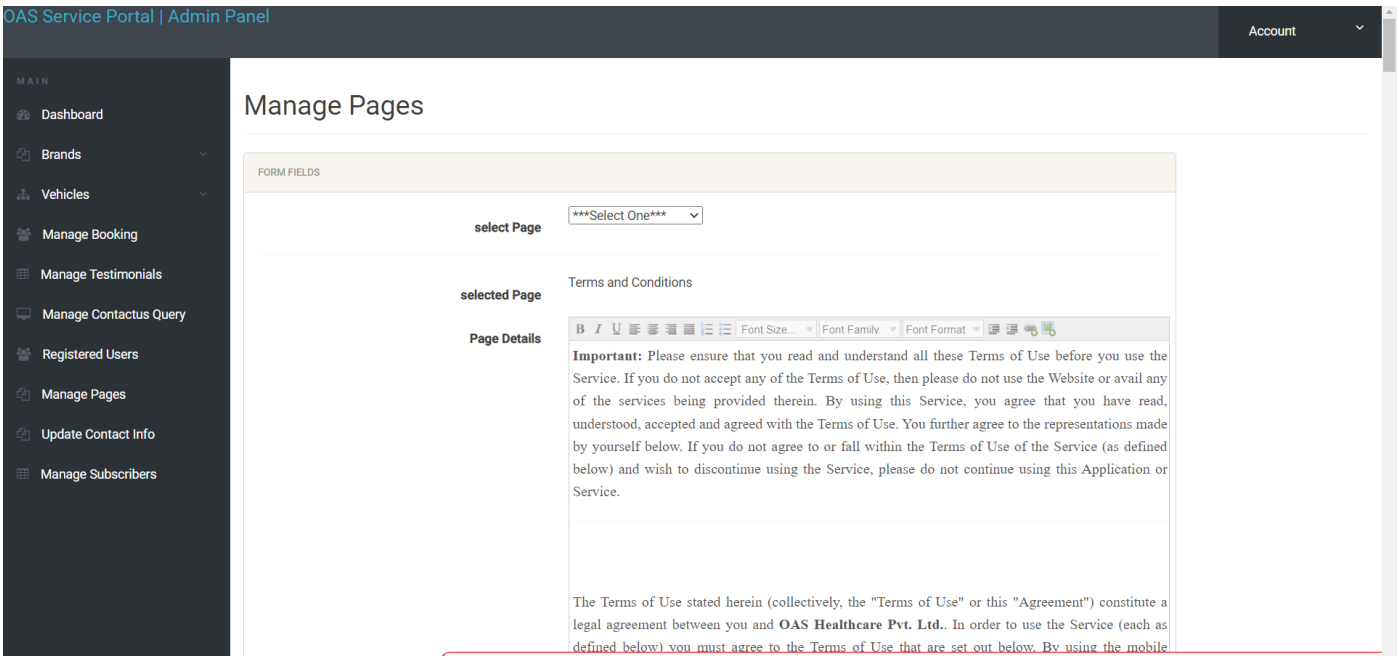
- **Registered user**

All the user who have registered in OAS web application would be available here.



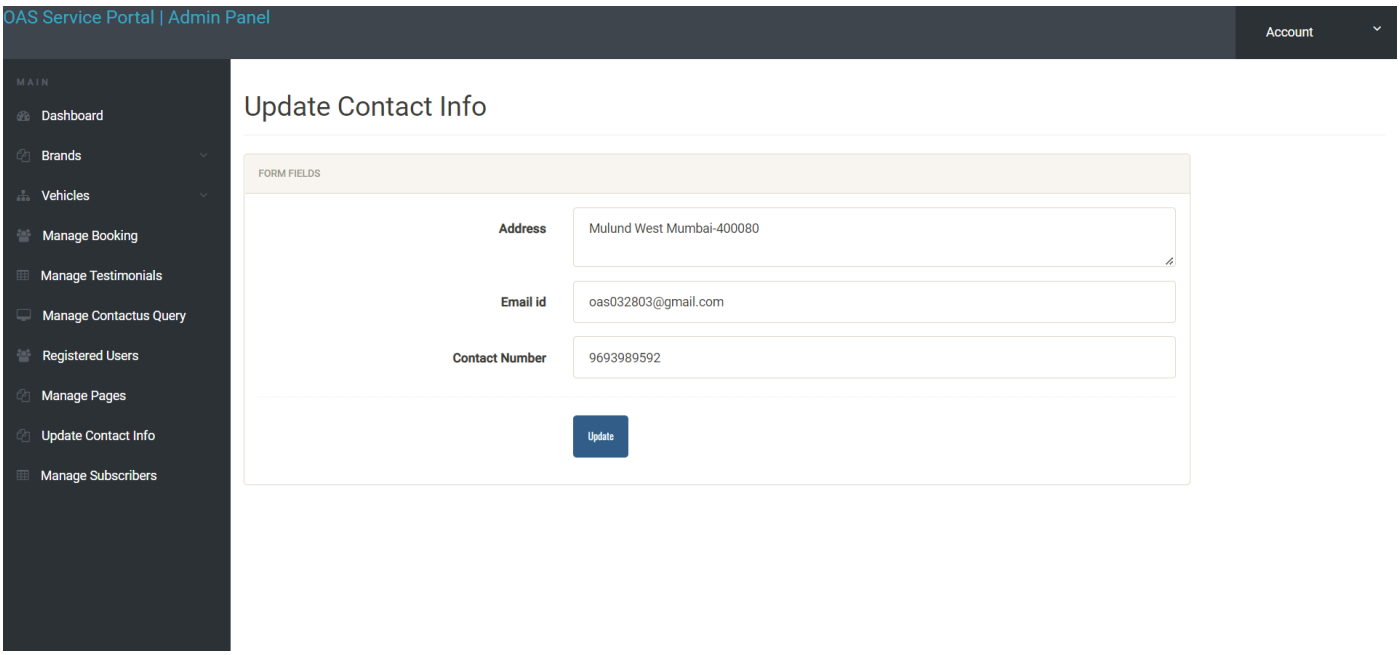
- **Manage Pages**

The admin would be able to make changes to the web application pages such as about us , faq ect.



- **Update Contact Info**

The admin can make changes about their location or any information changes here.



- **Manage Subscribers**

All the Subscribers whom had subscribed to OAS blog will be displayed here

Software Requirements

For OAS Website

- HTML, CSS, JavaScript
- Python
- Php
- SQL

Hardware Requirements

For OAS Website

- Processor: Preferably 1.0 GHz or Greater
- RAM: 512MB or Greater

Conclusion

As the number of ambulance ratio is unequal to the number of citizen count in India. This create a hapless situation due to in-adequacy of services for the people. There nothing to blame about the ambulance or population growth,. The one to criticise of scoff is the lack of knowledge about ambulances services of people in india which need to be helped with easy and smart efforts.
OAS(Online Ambulance Services) can help in educating the unknown minds of people and can solve their queries regarding →

1. How to summon a Ambulance?
2. Which Ambulance to summon?
3. Help in finding nearest ambulance.
4. Educate them how to book ambulance online through OAS.

Therefore the concluding statement of this would be…
"**Educating people to help themselves, which help to fill the gap between bridges of lack of knowledge**"

Bibliography

Websites

Following websites are referring to create this project reports.

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- https://developer.android.com/docs
- https://github.com/
- https://stackoverflow.com/
- https://www.w3schools.com/xml/
- https://www.sololearn.com/
- https://www.youtube.com/channel/UCNFVIu9YEb1fGPnPz-pTl0g
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- https://medulance.com/