**SRS (Software Requirement Specifications) Online Cab Management System**

**Introduction**

Transport is an integral part of our social living. The modern society cannot run without transport facilities. There are many companies who give transport services to the individual and corporate clients. In the current system, the client first contacts with the transport company for getting transport service. The company then books the vehicle for him on the requested date and time and then sends the vehicle to his place at the time. The Online taxi booking system is the online service which will automate the process of booking a taxi and will facilitate both the client and the company with reduced time and efforts.

**Project Scope**

This project’s aim is to automate the system, calculating the fare, selecting appropriate route, booking the cab, collecting all necessary information of the client and then serve the client. The data used by the system is stored in a database that will be the center of all information held clients and employees and the base for the remainder of the process after the initial application has been made. This enables things to be simplified and considerably quickened, making the jobs of the people involved easier. It supports the current process but centralizes it and makes it possible for decisions to be made earlier and easier way.

**User Modules**

* Administrators
* User
* Driver

**Functional Requirements**

**Admin**

* There should be an option to get all cab details.
* Admin should be able to see all booking sorted by date and time.
* Admin should be able to see all the routes available.
* He should be able to update or add routes to the system.

**User**

* **Sign Up**

Users need to sign up to use the web site. The users should have a - username and password. After filling their name, email, age, job, phone, they register to the system

1. **First name**: The name should be less than 15 characters it consists only alphabets. First name should be char datatype

First name input can be accepted using textbox

1. **Password:** Password must be characters including
2. **Email:** Email should include text and characters [[sample.@emailprovider.com](mailto:sample.@emailprovider.com)Email should be varchar () datatype

1. **Age**: Age must be numbers of int () datatype
2. **Role:** There will be separate role for user and driver. They need to select role
3. **Phone**: phone must be numbers of int () datatype

After Registration the user will land on login page

* **Sign In**

If a user is signed up, she/he can sign in the system by filling username and password boxes

User can simply click on the sign in button then he will move towards - home page

If the user forgot the password there will be forgot password option

* **Home Page**

**Search Box:** the user can search for the available cars nearby

**Book by Ride Button: There** will be book my ride button if a user clicks- on that button it will move towards address button.

**Profile Page** : Profile display name, phone number, email address, image as logo

* **Booking**

In booking section there will be pick up point and destination point

* **Confirmation And Tracking**:

After the payment is done the site confirms the ride and a driver will accept the ride. The user may track the driver in the map provided within the site.

* **Driver Interface**:

The driver can able to accept and reject the order that done by the - customer online or offline and also, they can report any alerts or problems faced during the ride.

* **Payment:**

There will be 3 payment method in the app online payment, visa card, cash payment

The user may choose among the available payment option including direct - cash payment. If the user chooses online payment the site connects the with the bank API

* **Review and Feedback:**

The user can provide review and feedback of their ride

**Driver**

* Initially the driver has a user id and password. The driver only needs to select the role to login.
* The driver can able to view the order made by customer
* Driver can accept or reject the order made by customer
* Driver can view the pickup location.

**Non-Functional Requirements**

The system has several requirements not relating to a certain function of the system. The list below deals with these issues.

**Driver integrity -** The position of the car should not be displayed exactly to users of the system, except for when driving a customer.

**User identity** - All users of the system, drivers or operators, shall have a unique identification number.

**Legal** - The system must comply with all laws and regulations applicable to a taxi organization.

**GPS** - GPS is used as positioning system. The positioning should be handled automatically without the driver having to interfere with the system.

**Maintenance** - The number of cars, centrals and antennas in the system should be changeable. That is, the number should be easily changed if the conditions change.