**Software Requirement Specification (SRS)**

**For**

**Online cab booking system**

1. **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.

* 1. **purpose:**

The purpose of this SRS document is to specify software requirements of the Online Taxi Booking. The main purpose of the system is automate the process of booking a taxi online

* 1. **Scope:**

This project’s aim is to automate the system, calculating the fare, collecting fare, collecting all necessary information of the client and then serve the client. The enable things to do be simplified and considerably quickened, making the jobs of the people involved easier and it supports the current process and they are planning to make more easy to use cabs.

* 1. **Definition :**

**SRS-** Software requirement specification

**OCB-** online cab booking

* 1. **Reference:**

Internet

* 1. **Overview:**

Goals The main goal of the system is to automate the process carried out in the organization with improved performance and realize the vision of online booking.

* 1. **Abbreviations:**
* Booking:

The request of a client and server with a vehicle on a specific data and time

* Roster:

The task of the employer to serve in the specified week.

* Course prospectus:

Course prospectus contains all the details about the course and scheduling of the course.

* Maintenance:

Clients Information are maintained in a separate log for maintenance

* Registration:

The client are registered to the system while request a booking. The employees are registered by the admin

* Deletion: The admin can delete any employee or client
* Client log : Client information’s are maintained in a seprate log for future reference and retrieved for any contacting purpose

1. **Overall description:**

The online cab booking application gives many facilities for there customer’s and they are trying to make more easy to there customer to understand about there application and they are managing to make more facilities with they clients and this and we can find this cab application in interest

* 1. **Product Perspective:**

The Online Cab Booking (OCB) application specializes in and provides online platform for user to get a cab quickly for any location in selected cities. A person can book a cab sitting in his office for a fixed time for pickup so he can rush to his destination without wasting time.

* 1. **Product function**:

The software should provide a good network. The website and the application provides a good interface between the user and the server. It enables users to easily browse any streaming media & video which they require with ease. They can sort the media according to their needs and enjoy the power of internet for entertainment purpose.

2.2.1Cab Details:

Customers may view the cab timing at a date their name and their type of booking.

2.2.2 Booking:

After checking the number of cab available the customers books a cab or number of cabs according to their requiremnets.

2.2.3 Billing:

After reserving the required cab, the customer pays the amount in advance(optional)

2.2.4 Cancelation:

If the customer want to cancel the cab then 10% of the amount per person is deducted if the booking is cancelled before 30 mins of the service time.

**3)Specific Requirement:**

**3.1 Functional requirement:**

Administrator Aspect 1. Perform weekly roster of Employees

2. Print reports annually, weekly, and daily

3. Check feedbacks

4. Send newsletters

5. Manage user portfolio

6. Changing the super password

Employee Aspect

1. Logging into the system.

2. To check their rosters.

3. Maintain daily logs 4. Select availability.

5. Check online bookings

Client Aspect:

1. Make a booking

2. Check their booking status:

3. Fair calculation

4. Driver history

5. Changing password.

6. Resetting of forgotten password.

Analysis

1. Authenticating users based on username and password.

2. Keeping session track of user activity.

3. Recording client's request for booking

4. Checking whether the vehicle is available for booking.

5. Keeping history of courses bookings.

6. Keeping record of feedbacks received from the clients.

Mailing

1. Temporary password will be mailed to the user in case the user forgets the password
2. Newsletters should go the client email addresses.
3. The client should get notification email of the booking while confirmed.
   1. **Unfunctional requirement:**

The database shall be able to accommodate a minimum of 10,000 records of clients.

The software shall support use of multiple users at a time.

There are no other specific performance requirements that will affect development.

**Security Requirements:**

Some of the factors that are identified to protect the software from accidental or malicious access, use, modification, destruction, or disclosure are described below, Specific requirements in this area could include the need to:

Utilize certain cryptographic techniques

• Keep specific log or history data sets

• Assign certain functions to different modules

Restrict communications between some areas of the program

Check data integrity for critical variables

. Later version of the software will incorporate encryption techniques in

the user/license authentication process.

• The software will include an error tracking log that will help the user

1. **INTERFACE REQUIREMENTS**

**Technologies:**

**>** This section lists all the technologies for the web based syste m.

>PHP scripting for server side scripting as it has a very strong support forXMI and MySQI...

>**XML as database format:** The database's performance requirements arenot very high and the ability to have custom fields in case the application form needs to add more than expected requirement. This is limited in any

other database management system where we have to first specify the maximum number of fields.

> Apache as web server has a tight integration with PHP and is also available for various popular platforms.

**Software:**

>Macromedia Dreamweaver

>PHP

**Hardware:**

The recommended hardware specified by the respective software would suffice the needs. The memory and processing power needed would increase as the number of users increase. The estimated hardware requirements are as specified.

**Server:**

The minimum hardware as recommended by all of the software required on server side say web server, operating system and development software

**Client:** client side say web browser, operating system

• Minimum hardware depending on the operating system used

• True colour visual display unit

• User peripherals for better interaction

**LEVEL 1 DIAGRAM ADMIN**

Id & password

In valid id or password

DB

Admin

**LEVEL** **2 DIAGRAM MAINTAINACE MANAGER**

**DB**

Maintenance manager

Invalid id &password

id & password

**LEVEL 2 DIAGRAM MOVEMENT MANAGER**

Invalid id or password

Id & password

**DB**

Movement manager

LEVEL ‘0’ DIAGRAM

Maintain acct da\et

Login

Create accounts

ADMIN

Use case

**User**

**Admin**

**User**

**Admin**

**Level 2 diagram finance manager**

Id and password

Finance manager

**Thank you**

Invalid id or password

**DB**