Software Requirements Specification

for

CabSee

Version 1.0

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Revision History

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| **Name** | **Date** | **Reason For Changes** | **Version** |
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# Introduction

The introduction of this Software Requirements Specification(SRS) provides an entire overview of the SRS with purpose ,scope,definitions,abbrevations and references of the entire SRS document.The aim is to give the complete overview of the **CabSee** software system.

**1.1 Purpose**

The purpose of this SRS document is to provide the complete overview of our software product.The document provides the target audience ,interface ,working and software requirements. It describes the product functionalities over customers .

**1.2 Document Conventions**

**1.3 Intended Audience and Reading Suggestions**

This SRS document is intended for marketing staff,testers ,documentation writers , project managers.The documnet can be read in a sequence that is given in the table of contents.

**1.4 Product Scope**

The scope of the product is Online Cab booking and sharing of cabs without calling the Cab services for the information and vacancy for any. This software provides the customer the available Cabs for him and it also gives the information for the cabs that are booked by other customers so that they can share the Cab with others.The main aim of the software is to provide the platform between the cab services and the customers .

**1.5 References**

**http://www.utdallas.edu/~chung/RE/Presentations07S/Team\_1\_Doc/Documents/SRS4.0.doc**

# Overall Description

**2.1 Productive Perspective**

This product is not a follow-on member of a product family .This is a new software that provides the platform between the cab services and customers which reduces a lot more work to customers for finding the cabs to travel.

**2.2 Product Functions**

This software performs the following functions

**∙**Online cab booking

**∙**Cab Sharing

**∙**Information of cab drivers

**∙**Reviewing the services after rides by the customeres

**∙**User accounts for customers

**2.3 User Classes and Characteristics**

This product is mostly used by employees to travel from their rooms to the workplace. The people living in the rural areas can use this software because it is hard to find such cab services in rural areas. Students will also use this software to travel from hostels to the travel places. Sharing is the main function that attracts the students and employees.

**2.4 Operating Environment**

“CabSee ” is website based so it works on the operating environment as follows

Database: Heidi SQL

Web Server: 000webhosting.com, WAMP server

Client on Internet: Operating System (any),Web Browser

Client on Intranet: Operating System (any) ,Web Browser ,Client software

Development End: HTML, php, JavaScript

Code Editor: Sublime Text Editor

Php documentation: For defining function.

Bootstrap: To make compatible for mobile browsers

**2.5 Design and Implementation Constraints**

The number of cabs available at the organisation should be taken care because if the user did not find any available cabs at that time then he or she will not prefer this software for another time. Time will not be a issue in this software because the users can use this software whenever they needed. Simple interface will be used that can be easy to operate website for the users. Some webhost are used to link the databases to the software. No special techniques in the initial model. Basically English language that can be translated into any other Indian languages by using translator. HTML and CSS will be used for the basic building of the webpage.

**2.6 User Documentation**

Users are provided with the information in the online website itself .

**2.7 Assumptions and Dependencies**

There should be a better communication between the developer and the cab service that will be updated immediately for every change for example if some xyz cab is under repair but in the website it shows that the cab is ready to book.

Assuming that the cabs are in required number so that some cabs are can be booked at the organisation also as well as for online booking .

Assuming the servers and internet are available for 24 hours so if the user wants to cancel the booking but if the server is down at that time so he or she cannot do the required action .

Completely depends on the web servers to maintain no ambiguity in the database

Admin can do all the actions like add or delete a user

# External Interface Requirements

## User Interfaces

Our Software is a website so it is visible to the users with a uniform look and feel between all the web pages.

It provides the date ,time and place blocks to get information from the customer .

It provides login page for logging in to the website for the existing users and a sign up page for the new users.

**3.2 Hardware Interface**

**Server side hardware:**

* Hardware needed for the software to run without any glitches
* Hardware to communicate with the server may be a computer

**Client side hardware:**

* Hardware can be any operating system with working internet connection

**3.3 SOFTWARE INTERFACE:**

**Server side software:**

* Database tool: Heidi SQL
* Operating system: Windows
* Scripting tool: Sublime text editor,PHP
* Web server: WAMP server, 000webhosting.com

**Client side software:**

* Web browser: ANY
* Operating System: ANY

**3.4 Communication Protocol:**

Initially we are using some free hosts like WAMP as they will do the required security protocols to the servers. Later we may implement some better paid hosts.

**4. System Features**

**5.Other Non Functional requirements**

**5.1 Performance Requirements:**

The performance requirements are that the server should keep updating the information of the cabs . The website can be accessible from any browser without any loading issues. The user interface should be easily understood by all types of customers.

**5.2 Safety Requirements :**

At initial state we are using some free hosts which are safely maintained by the Public hosts ,so at present there is no need to bother about license of the domain.

**5.3 Security Requirements :**

The login details of the user should be unique without any ambiguity so that if the user forgotten his details he should get the login details from making a request to the server with the necessary input.

**5.4 Software Quality Attributes :**

An online feedback form will be maintained to keep the software useful and to make the required changes. Developers will be working on the software if there are any feedback for the necessary action. An offline feedback may be maintained at the organization whether to maintain the software for the service or not.

**5.5 Business Rules :**

The initial version will not be containing online payment so the money can be given by the customer directly to the driver or the cab service. The software should firstly approved by the cab organization later by the customers. The changes can be done in the Software as requested by the organization. Sharing of the cabs will attract the most times.

**6. OTHER REQUIREMENTS:**

As this is the initial version we are just taking the database for the single organization so it is not for international level .Some references are taken from the known companies for the models . We are not implementing the GPS tracking .Cab sharing can be a attractive feature for the software.