

# **TAXI-SHARE**

## **Software Requirements Document**

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# Taxi-Share Web Based System Requirements Document

## Revision History

Version	Date	Author(s)	Description
v1.0	01/11/15	Rohit Verma	Initial Version
v1.1	15/11/15	Rohit Verma	Added Revision History and updated features and functions

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## Introduction

### Need and Purpose

We all know that travelling is essential part of everyone's life. In professional life travelling is like part of job where everyone needs to move weekly for their respective works & projects. Students at college visit home at vacations and most of them are unplanned so its not feasible to book a vehicle for the destination efficiently. And a web based taxi service gives a user friendly interface for booking taxi.

This software/web-based system also allows someone who can offer a ride to someone .Person just need to fill the details of ride in system and some other travellers can make best use of it while finding a ride.

## Intended Audience

This document is intended for database managers and designers, and for sales and marketing people. Managers of working taxi services may also read the document .

## References

- [1] <http://www.blablacar.com/>
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## Description

### Features and Functions

#### **Features**

Taxi-Share can be used by several users at the same time. Users access it via a web- browser. It is intended for novice users and experts both as it has different front-end checks to make more user friendly .Readme file is attached with software/web-based system. System uses secure protocols, sessions, cookies and database .It also uses the concept of live searching through its database. The site itself has link to **FAQ's** and **How it works** to make it more user friendly on the web too.

#### **Functions**

There are basically three interface

### 1) Login/Register Interface

- 1.To offer a ride ,offeror must need to first register and then can offer rides accordingly.
- 2.In find a ride ,traveller can see the details of ride but contacts of the offeror will be available to him/her only if he/she is a registered user of site too.Hence the privacy of offeror is preserved.
- 3.If the user is registered member then he/she can change his/her password too in reset password option.

### 2) Find a Ride Interface

- 1.Source can be any location depending from where the offeror wants to offer..
- 2.Destination can be any location depending on that it is offered by someone.
- 3.Depending upon the available ride , the traveller can contact the offeror and book seats for the same.
- 4.Find a ride interface results shows almost every required information like date,time,name,luggage size etc.
- 5.Payment is being done hand-to-hand after the ride.

### 3) Offer a Ride Interface

- 1.All details with account /Signing up .
- 2.Offering ride to destinations with substations.
- 3.Fair Details
- 4.Luggage details.
- 5.Time/Date Schedule.
- 6.No of seats available.
- 7.Offeror can also update the no of seats available if he/she wants after time.

### 4) User-Friendly Interface

- 1.How it works
- 2.FAQ's
- 3.Terms & Conditions

## Users

1. Traveller

2. Admin of taxi service
3. Offeror
4. Travel agents

## Operating Environment

### Hardware

Taxi-Share Service requires a PC as a server .For larger service & large database a server class machine is recommended.

But if you want to explore this web-based system it will run on smartphones,iphones too with supported browser.

### Software

The *Taxi-Share* server can run on any recent version of Linux, such as Ubuntu, Debian, Fedora Core, Redhat Enterprise, etc. It requires:

1. Apache 4.5 or later
2. Mysql
3. PHP 5.6
4. Javascript
5. JQuery

The *Taxi-Share* web-based interface works with any of the following graphical browsers on any hardware and OS:

1. Internet Explorer (7 and up) for Windows
2. Firefox (31 and up) for Windows, Mac, and Linux
3. Safari (6.0 and up) for Mac
4. The latest public release of Google Chrome for Windows, Mac and Linux.

Higher versions of these browsers are more likely to work .Latest versions of browser on mobile will also support interface.

## Specific Requirements

### External Interfaces

On the date of ride , the person should meet the offeror and if person is unable to find offeror ,his /her money should be returned .So an External Interface is required.

## **Performance Requirements**

For a service with small database ,the maximum response time for any online request must be less than 1 second.But for a large taxi-service and database the maximum response time could exceed 1 second.

For someone who wants to serve as a server with large database ,a server machine is recommended for better performance.

## **Additional Comments**

Many Taxi Services are using this type of web-based system like this one but this document describes a fictitious software product purely for academic purposes. It is not related in any way to a particular existing or proposed real product.