Software Requirements Specification

# Introduction

The purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals. This project document describes the project's target audience and its user interface, hardware and software requirements.

The aim of this document is to gather and analyze and give an in-depth insight of the complete Online Vehicle Showroom by defining the problem statement in detail. The detailed requirements of the Online Vehicle Showroom are provided in this document.

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## Purpose

The purpose of the document is to collect and analyze all assorted ideas that have come up to define the system, its requirements with respect to consumers. The main purpose of this Vehicle showroom is to develop a web based interface for Vehicle showroom companies.

The main purpose of this Online Vehicle Showroom is that it provides provision to customers to Buy or book vehicles through online. The current system is offline system, in this to purchase vehicle the customer should visit to showroom. So this current system is very difficult because its time consuming. So our project aims at creating an web application which tracks Customer records, Online payment, Online booking, Online vehicle records, etc and it provides easy to use web based interface for customers where customers can search for vehicles, view a complete details, models, features, pricing of the vehicles and book the vehicles.

## Scope

The name of the project is “ONLINE VEHICLE SHOWROOM”. The main scope of this web application is that depicts online Vehicle showroom and booking vehicles through online. Customer can register to this site and he can book vehicles by entering his login information. Administrator is main user of this system and he can add employees, and new vehicle details.

* The current system can be extended to allow the customers to register accounts and save favourite vehicles in to wish list.
* The design of the web application involves the listing the vehicles, search for vehicles, display the complete details of vehicles, etc.
* It provides updated information about the vehicles of all the companies.
* Customer can view Purchase details and billing records any time.

**Definitions, Acronyms, and Abbreviations**

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| --- | --- |
| SRS | Software requirement specification |
| OVS | Online Vehicle Showroom |
| PHP | PHP: Hypertext pre-processor.  PHP is a server scripting language, and is a powerful tool for making dynamic and interactive Web pages quickly. PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP. |
| MySQL | MySQL Database server.  MySQL is a most popular database system used on the web. It supports standard SQL Queries. The data in MySQL is stored in tables. A table is a collection of related data, and it consists of columns and rows. |

## References

Book references:

* Software engineering by Pankaj Jalote
* Learning PHP, MySQL, JavaScript, and CSS: A Step-by-Step Guide to Creating Dynamic Websites by Robin Nixon

Internet references:

* www.w3schools.com
* www.php.net
* www.mysql.com

## Overview

The following subsections provide complete overview of the SRS documentation for the product “Online Vehicle Showroom”. The entire SRS is documented in the view of customer, employees and admin and the following subsections are arranged to complete outlook of the software, its perspective, features, System requirements and users know how’s.

# Overall Description

User Friendliness is provided in the web application with various controls provided by system Rich User Interface. This project which helps customers to buy or book vehicles through online. It keeps track of Customers records, Vehicle records, Payment and billing records, Employee records, etc. The system generates Invoice and Bill after purchasing or booking of new vehicle. This is web application and it’s developing using PHP language. All the records stores in MySQL Database.

**PRODUCT PERSPECTIVE**

This totally self contained and works efficiently. It provides simple database rather then complex ones for high requirements and it provides good and easy graphical user interface new, naïve as well as experienced users of the computers.

**PRODUCT FUNCTION**

The product functions will include the following areas:

Admin logs in into the application user name & password.

After successful login the main page appears.

The application is capable enough to store data and also perform some editng on them that is added.It will be having user friendly GUI’s that will guide the user to easily achive the same. This program is a menu driven program. When we click the main menu the different forms will be enabled. The program consists of the following modules:

* Main and Login module:
  + The main page, neatly designed page, here login option is provided to login. Also new signup option is provided to for new user to signup.
* Vehicles module:
  + This screen will display all the vehicle details, with exact cost, Features, Model details, etc.
* Vehicle Selection module:
  + This search screen Option must be provide to select the vehicles based on name. In this option customer can select vehicles based on its model.
* Booking module:
  + In this page user can book vehicles by entering cart information. After booking vehicles user will receive booked vehicles information via mail.
  + This page also includes the details about the advance payment must be done by the customer during the time of booking.
* Admin module:
  + Administrator has full permission to access this web site. Here administrator can add new vehicle details, and he can add his employees.
* Employee module:
  + Employees can handle customer details, and he can communicate with customers through mail. If customer forgets his password employee can reset his password.

### **User Interfaces**

The user interface for the software shall be compatible to any browser such as Internet Explorer, Google chrome, or Mozilla Firefox.

## Design Constraints:

* There are no memory requirements.
* The computers must be equipped with web browsers such as Internet explorer, Google chrome, Mozilla firefox , etc.
* A general knowledge of basic computer skills is required to use the product

## Performance

* Good working pc with all requirements.
* The product shall be based on web and has to be run from a web server.
* The product shall take initial load time depending on internet connection strength.

### **Data Storage**

* The customer’s web browser shall never display a customer’s password.
* The customer’s web browser shall never display a customer’s credit card number after retrieving from the database.
* The system’s back-end servers shall only be accessible to authenticated administrators.
* The system’s back-end databases has login id and password.

## On-line User Documentation and Help System Requirements

* It shall provide specific guidelines to a customers for using the Online Vehicle Showroom.
* To implement online user help, link and search fields shall be provided.

### **Software Interfaces**

* Technology Implemented : Apache Server
* Language Used : PHP 5.3
* Database : My SQL 5.5
* User Interface Design : HTML, AJAX, Javascript
* Web Browser : Mozilla, Google Chrome, Internet Explorer

### **hardware Interfaces**

* Processor : Pentium, AMD or Higher Version.
* Operating System : Windows XP/ Windows 7/ Linux
* RAM : 256 MB, 2GB recommended
* Hardware Devices : Keyboard with mouse
* Hard disk : 10GB or More
* Display : Standard Output Display

### **Communications Interfaces**

The Online Vehicle showroom shall use the HTTP protocol for communication over the internet and for the intranet communication will be through TCP/IP protocol suite.

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## Licensing Requirements

Not Applicable