**Software Requirements Specification**

**For**

**Car Shop Management System**

## Version 0.1 approved

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# Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
|  |  |  |  |
|  |  |  |  |

**1. Introduction**:

We are automating car Shop, by providing features for buyers and sellers at one place. Dealers can add their car details. All required features are also previewed there. Buyer can search any of the car according to his/her required features. User can view dealer feedback and reputation as added by previous buyers. We also add the blog where persons can discuss and share their views about cars. From this website time is saved.

* 1. Purpose of Document:

The purpose of this document is to describe the requirements for the users to buy and sale the cars. Document includes all specifications of website include security. Developers should consult this document and its revisions as the only source of requirements for the project. They should not consider any requirements statements, written or verbal as valid until they appear in this document or its revision. Through this document the working of the project would be clear.it tells you what are the requirements of the system what is the functionality of the system, and what the system will do.

* 1. Project Overview:

Our project Online Car Shop includes dealing between seller and buyers. Our website has the facility to give a unique id for every user and details of every user and the staff automatically. It includes a search facility to know the current status of each related website. User can search availability of a `deals related website using the id. The user can be entered using a username and password. It is accessible either by a seller or buyer. User can enter their requirements, actually describes what the user want. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

* 1. Project Scope:

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The proposed website is Online Car Shop. The system will be used to get the information from the users and then storing that data for future usage. The current system in use is a paper-based system. It is too slow and cannot provide the information about existing users. The intentions of the system are to reduce over-time pay and increase the number of users that can be treated accurately. Requirements statements in this document are bot functional and non-functional. We are going to develop an online project for customers where they can get information about buy r sale of cars easily. So will you please send us the objectives & scope of our system & can you also provide some more ideas, reference links, and reference projects for online Car Shop. 2. Overall System Description:

• Product Perspective:

Our website will work on national and international level. May dependent on network availability; user requirements and GUI.

2.1 User Characteristics:

The system will be used in throughout the world. The administrators, will be the main users. Given the condition that not all the users are computer-literate. Some users may have to be trained on using the system. The system is also designed to be user-friendly. It uses a Graphical User Interface (GUI). But it is so easy to use even an untrained peoples can easily understand the interface.

 Administrators:

They all have post-secondary education relating to general business administration practices. Every administrator has basic computer training. They are responsible for all of the scheduling and updating day/night employee shifts.

2.2 Operating Environment:

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The software is operated by the administrator. Who knows how the system work? He maintained the whole system properly. Because he is responsible for the whole system. In computer software, an operating environment is the environment in which users run application software. The environment consists of a user interface provided by an applications manager and usually an application programming interface to the applications manager. A proper hardware is also required to run that software. Our system can run on window operating system.

2.3 System constraints:

 Software constraints

1. Software required to run our web site

2. Mozilla Firefox or any other browser.

3. Windows operating system minimum window xp 2006.

4. XAMPP software

 Hardware constraints

1. Minimum hardware requirement for our system is

2. 120MHZ power Macintosh or Pentium class pc

3. 512 MB of RAM

4. Monitor displaying multiple resolution like 1024\*768 5. Keyboard and mouse etc.

 Cultural constraints

1. Culture constrains for the our system are’

2. Human being can act with site

3. Male or female who know the knowledge of web or computer can operate our

4. Website with no restriction of cast or color it is operated from all over the

5. World.

Legal constraints

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Copyrights protection and intellectual property right must be kept in the mind

While studying any content or copying any content of our site it is illegal with

According to law

 Design Constraints:

• Database:

The system shall use the MySQL Database, which is open source and free.

• Operating System:

The Development environment shall be Windows 2000.

• Web-Based:

The system shall be a Web-based application.

 Software constraints:

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It should not include any extra things so that we will not able to control the expenses due to costly hardware.

 Hardware constraints:

The website should not add any useless extra thing that we don’t use due to extra expenses.

 Cultural constraints:

The car bazar is a website used by all types of users. There is no specifications.

 Environmental constraints:

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The environment where the software will be installed, it could not be a noisy environment, it should be according to the user needs. The environment factor impact on every kind of the work performed but according to our system there will be no noisy environment and user must feel relax while using our system

 User constraints:

The project is developed for all types of users so it may be required that the project has more than textual controls rather than graphic controls .Graphics can be added where required but large numbers of graphics should not be added. The user must have known its working

3. External Interface Requirements: This section is intended to specify any requirements that ensure that the new system will connect properly to external components. Place a context diagram showing the external interfaces at a high level of abstraction.

3.1 Hardware Interfaces: Describe the characteristics of each interface between the software and hardware components of the system. This description might include the supported device types, the nature of the data and control interactions between the software and the hardware

3.2Software Interfaces: Describe the connections between this system and other external software components (identified by name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify and describe the purpose of the data items or messages exchanged among the software components. Describe the services needed and the nature of the intercomponent communications. Identify data that will be shared across software components.

3.3Communications Interfaces:

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Describe the requirements associated with any communication functions the system will use, including e-mail, web browser, network communications standards or protocols, electronic forms, and so on. Define any pertinent message formatting. Specify communication security or encryption issues, data transfer rates, and synchronization mechanisms.

Windows: First of all the most important communication interface that is use by all kind of the system normally is window of current running operating system working in the market Protocol: The protocol our system will use is also the same as the other normal system will use is TCP/UDP through the communication interface of internet with HTTP protocol.

4. Functional Requirements:

1. Use case for Account creation:

1. Use case Name: Account Creation 2. Scope: Online Car Shop sell and buy used and new vehicles.

3. Level: User goal

4. Primary Actor: Car Dealer/ Buyers

5. Stakeholders and Interests: User of the system and admin or Clerk and some other government Tax agencies and payment author

6. Preconditions: Not any

7. Post conditions: Account has been created successfully details saved for future use.

8. The dealer’s details has been saved.

9. Contain database Of the system.

Main Success Scenario:

1. User first visit the web site by using

2. Web browser user can now open the home page of

3. The site where different pages blogs

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4. Or buttons are given user visit the main user register portal and press the signup buttons for the

5. Registration on web site, user enters its personal credential and press submit buttons in order to save his/her credential detail and address zip code etc.

3. Extensions or Alternative:

1. When system give some error while buying stuff it will ask 2. To enter the credential detail of user whenever the user does not have Gmail or Yahoo mail id user or customer must read the error and 3. First create the account on Gmail or yahoo Then try again user must enter restricted password in the password field user must follow this terms and conditions and fill the field with correct Credential detail. 4 Special Requirements: Security purpose in mind, for performance UI with monitor from which text visibility is clear, user complete information must be stored. 5 Technology data variations: User complete detail must be entered using Computer keyboard and keyboard follow the Format of United States English scheme.

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2. Use case for post Add:

1. Use case Name:

Post Car, Truck or any kind of 4 wheels vehicle. 2. Scope Dealer used to post add of his or her vehicle For the user who visit the site for buying or selling the car and find out its description on site. 3. Level: User goals 4. Primary Actor: User and Admin 5. Preconditions: User/admin first must be sign up on the site and then visit add post blog for post add. 6. Stockholder and interest: Clerk, admin and user who is sign up on the site and other guest user for simply visit the site for information.

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sign up

dealer/buyer

sign in

username/Email

password

confirm password

<<include>>

<<include>>

<<include>>

<<include>>

date of birth

phone number

<<include>>

<<include>>

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7. Post conditions: Post must be saved in backend database of the site with complete detail of dealer and post detail.

8. Success scenario:

1. User sign up is optional for buying a car on the Site.

2. Admin of the site can also do the same work as other users can do.

3. Dealer/admin choose the picture from its file Explorer and post picture of car or other vehicle he/she wants to sell it out.

4. Then dealer can also place its useful features which are helpful for the users who visit the site for checking the different models of cars similarly the cars from different companies according to his/her requirement.

5. User can place its comments in the discussion forum given with the post of the car and which is helpful for the guest user who visits the site.

9. Extensions or Alternate flows:

1. In case of invalid email and password system can give some error message on the screen.

2. User must correct its credential or visit help portion of the web site.

3. In case of not registered post error the dealer complete the registration of its post with correct detail of its add with given restrictions.

10.Special Requirement: Complete authentication of the user, good Performance of UI of monitor.

11.Technology and Data Variation: a. User complete detail must be enter via Computer keyboard and keyboard follow the Format of United Kingdom English.

• Registration

 Add Dealers:

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The OCB shall allow front-desk staff to add new dealers to the system.

 Assign ID:

The OCB shall allow front-desk staff to give each dealer a ID and add it to the dealer’s record. This ID shall be used by the dealer throughout his/her Car Dealing on OCBl.

 Add Cars

Use Case ID Use Case Name Main Scenario Alternative Scenario

The Dealer can add new cars on his/her profile those are available and delete the cars those are already sold out.

 Check Out:

After checking out of user the record must be updated.

 Delete Dealer ID:

The administrative staff of OCS shall be allowed to delete the ID of the dealer from the system when the dealer don’t want to use OCS anymore.

 Car Details:

The Dealer shall add information about cars availability and the following information: car model, company/brand car’s current condition like any kind of scratches, meter running/mileage, ownership proof, theft checking etc.

• Database: Dealer Mandatory Information, Each dealer shall have the following mandatory information: first name, last name, phone number, personal health number, address, postal code, city, country.

 Update Dealer Information:

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The OCS shall allow the admin to update any of the dealer’s information.

5. Non-functional Requirements:

 Security:

The website that we are going to establish must be secure from unauthorized access

 User Identification:

The system requires the user to identify himself /herself using PHN

 Login ID:

Any user who uses the system shall have a Logon ID and Password.

 Modification:

Any modification (insert, delete, and update) for the Database shall be synchronized and done only by the administrator.

 Administrators ' Rights:

Administrators shall be able to view and modify all information.

 Performance Requirements:

 Response Time:

The system shall give responses in 1 second after checking the user provided information.

 Capacity:

The System must support 100 or more than that people at a time.

 User-interface:

The user-interface screen shall respond within 5 seconds.

 Conformity:

The systems must conform to the Microsoft Accessibility guidelines.

 Maintainability:

The system must have the feature of maintainability.

 Back Up:

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The system shall provide the capability to back-up the Data.

 Errors:

The system shall keep a log of all the errors.

 Reliability:

The Online Car Shop must be a reliability system.

 Availability:

The system shall be available all the time.

1. Assumptions and Dependencies:

• It is assumed that one hundred IBM compatible computers will be available before the system is installed and tested.

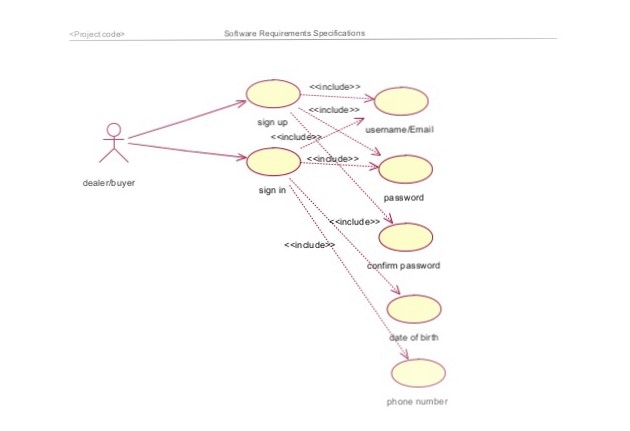
• It is assumed that the our website will never down in future

• It is assumed that the system will work effectively.

• It is assumed that the system will complete on time.

• If website will

**UseCase :**



7.1 Figure: Use case on car shop management system.