**Vision Document for “Cars Management System”**

**Team members:**

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**1. Introduction**

Cars Management System is a leading two-sided digital automotive marketplace that creates meaningful connections between buyers and dealers. To become a pioneer in online automotive classifieds, the company has evolved into one of the largest digital automotive platforms, connecting thousands of local dealers across the country with millions of consumers, the company needs to build a new system in order to support larger number of users connections.

The system offers services that help consumers buy cars or research car purchase. For those looking to buy a car, the site offers listings of new and used vehicles for sale from dealers. It can search for cars through many categories: make and model, price range, style, drive type (automatic or manual), engine type, color (exterior and interior), mileage and number of doors. Consumers choose their favourite cars and can save them if log in to the system. They can view the list of saved cars or unsaved the cars they don’t want to buy or view later.

Those looking to buy a car from a dealer can ask for offers from their local area. After taking their car to the dealer to verify its condition, the buyer may then buy the car from the dealer for the offered price.

The administrator can manage dealers’ information and help to verify their profiles. The administrator can also add, update and delete cars information for dealers.

Dealers can manage their cars information including add, update, delete their cars. They cannot be able to modify cars’s information of other dealers.

**2. Positioning**

**2.1 Problem Statement**

|  |  |
| --- | --- |
| The problem of | *providing services for car buyers and sellers* |
| Affects | *administrators, dealers, and consumers* |
| the impact of which is | *large number of dealers and consumers make the search car feature is complex, must be manually maintained to be up-to-date information, and*  *changed frequently* |
| a successful solution would be | *one tool which builds a marketplace where dealers and buyers can satisfy their needs. This tool will provide a Database and a*  *user interface that is easy to use for administrators, dealers and*  *buyers.* |

**2.2 Product Position Statement**

*[Provide an overall statement summarizing, at the highest level, the unique position the product intends to*

*fill in the marketplace. The following format may be used:]*

|  |  |
| --- | --- |
| For | *[target customer]* |
| Who | *[statement of the need or opportunity]* |
| The (product name) | *is a [product category]* |
| That | *[statement of key benefit; that is, the compelling reason to buy]* |
| Unlike | *[primary competitive alternative]* |
| Our product | *[statement of primary differentiation]* |

*[A product position statement communicates the intent of the application and the importance of the project*

*to all concerned personnel.]*

**3. Stakeholder Descriptions**

**3.1 Stakeholder Summary**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Admins | Admins add, edit or delete cars for dealers. Admins add, edit or delete dealers | Admins are responsible for inserting initial data and managing dealers |
| Dealers | Dealers add, edit or delete cars for themselves | Dealers are responsible for managing their cars |
| Users | Users can see list of cars, search cars based on some criteria and save cars | Users are responsible for managing their saved cars and contacting dealers for buying cars |
| Developers | Developers develop system on the basis of given documents | Developers are responsible for developing system features, fixing bugs and maintaining the system’s availability |
| Testers | Testers use jUnit tool to test system or integration test | Testers are responsible for integration testing |

**3.2 User Environment**

*[Detail the working environment of the target user. Here are some suggestions:*

*Number of people involved in completing the task? Is this changing?*

*How long is a task cycle? Amount of time spent in each activity? Is this changing?*

*Any unique environmental constraints: mobile, outdoors, in-flight, and so on?*

*Which system platforms are in use today? Future platforms?*

*What other applications are in use? Does your application need to integrate with them?*

*This is where extracts from the Business Model could be included to outline the task and roles involved,*

*and so on.]*

**4. Product Overview**

**4.1 Product Perspective**

*[This subsection of the* ***Vision*** *document puts the product in perspective to other related products and the*

*user’s environment. If the product is independent and totally self-contained, state it here. If the product is a*

*component of a larger system, then this subsection needs to relate how these systems interact and needs to*

*identify the relevant interfaces between the systems. One easy way to display the major components of the*

*larger system, interconnections, and external interfaces is with a block diagram.]*

**4.2 Assumptions and Dependencies**

*[List each factor that affects the features stated in the* ***Vision*** *document. List assumptions that, if changed,*

*will alter the* ***Vision*** *document. For example, an assumption may state that a specific operating system will*

*be available for the hardware designated for the software product. If the operating system is not available,*

*the* ***Vision*** *document will need to change.]*

**4.3 Needs and Features**

*[Avoid design. Keep feature descriptions at a general level. Focus on capabilities needed and why (not*

*how) they should be implemented.]*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Problem | Need | Priority | Features | Planned Release |
| Admin | | | | | |
| 1 | Dealers register with the system implicitly (by contract) to be a dealer member of the system | Dealers have to make contract and supply their information |  | Admin must be able to manage dealers, add, edit or delete dealers |  |
| 2 | Dealers can request system to add/edit/delete their cars | Dealers give info of cars they need to add/edit/delete |  | Admins must be able to add/edit/delete cars for a particular dealer. |  |
| Dealer | | | | | |
| 1 | Dealers have a number of cars | Cars must be added to the system |  | Dealers must be able to add their cars on the system after login |  |
| 2 | Dealers modify their cars information | Cars must be able to modify information |  | Dealers must be able to modify their cars on the system after login |  |
| 3 | Dealers delete their cars | Cars must be able to delete information |  | Dealers must be able to delete their cars on the system after login |  |
| User | | | | | |
| 1 | Users search cars based on some criteria | Cars must be added with some criteria |  | Users must be able to see the list of available cars matching their criteria |  |
| 2 | Users save their favourite cars | Users must login to the system |  | User must be able to save their favorite cars |  |
| 3 | Users unsave their favorite cars | Users must login to the system |  | User must be able to delete cars from their favourite list |  |
| 4 | Users can view cars of dealers | Cars of dealers have to be added |  | System must be able to show cars from all dealers to users. |  |
| 5 | Users can view the details of a car | Details of the car have to be added. |  | System must be able to show details of a selected car. |  |
| 6 | Users can sign up to be a member of the system | Users provide their info to register with the system. |  | User can sign up so that they can log in with their account to save cars |  |

**4.4 Alternatives and Competition**

*[Identify alternatives the stakeholder perceives as available. These can include buying a competitor’s*

*product, building a homegrown solution, or simply maintaining the status quo. List any known competitive*

*choices that exist or may become available. Include the major strengths and weaknesses of each competitor*

*as perceived by the stakeholder or end user.]*

**5. Other Product Requirements**

*[At a high level, list applicable standards, hardware, or platform requirements; performance requirements;*

*and environmental requirements.*

*Define the quality ranges for performance, robustness, fault tolerance, usability, and similar*

*characteristics that are not captured in the Feature Set.*

*Note any design constraints, external constraints, or other dependencies.*

*Define any specific documentation requirements, including user manuals, online help, installation,*

*labeling, and packaging requirements.*

*Define the priority of these other product requirements. Include, if useful, attributes such as stability,*

*benefit, effort, and risk.]*