***Software Requirements Specification***

***Version 1.0***

<<Annotated Version>>

June 21, 2020

A website for selling cars

NABEL ALKHEDER

MOHAMED ALKASEEM

Submitted in partial fulfillment

Of the requirements of

Software Engineering

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1. **introduction** 
   1. **purpose :**

**The purpose of this document is to present a detailed description of the WebSite for selling cars. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system**

* 1. **Scope of project:**

**This software system will be a system for selling cars, as this system will be designed to work on a comparison between cars and their prices in order to meet the needs of customers**

**It also saves time on the customer so that he can know what can be bought according to the amount available to him**

**1.3Glossary:**

|  |  |
| --- | --- |
| Software Requirements Specification | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. |
| customer | **It is everyone who browses the website for the purpose of buying or knowing about the products** |
| User | **customer** |

***1.4. References:***

**IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements***

***1.5. Overview of Document:***

The next chapter, the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter.

The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

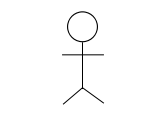
Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language

**2.0. Overall Description**

***2.1 System Environment:***

**WebSite for selling cars**

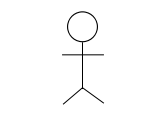
Manage the site



**Manager**

Be served

Be serverd



**customer**

**Figure 1 - System Environment**

This website consists of two active actors:

The customer accesses the website via the Internet

The manager can access the entire system directly via e-mail

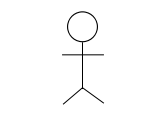
***2.2 Functional Requirements Specification***

This section describes the use cases for each active actor separately. The customer has three use cases while the manager is the main actor in this system also has three use cases.

**2.2.1 Customer use case:**

Use case: search about a car

Diagram:



customer

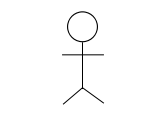
er

**Brief Description:**

The customer searches for specific specifications and specific type of cars.

Use case: Comparison of cars

Diagram



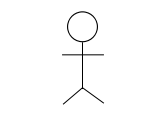
customer

er

**Brief Description:**

It enters two types of cars so that the system compares them

Use case: Search by amount



customer

er

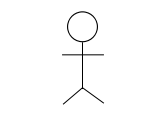
**Brief Description:**

The customer enters a certain amount

And the system provides suitable cars for this amount

**2.2.2 Manger use case:**

Use case: add new car



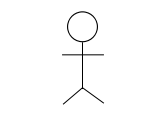
manger

er

**Brief Description:**

The manager adds new cars to the site with their specifications

Use case: Price adjustment



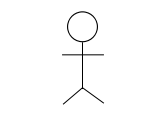
manger

er

**Brief Description:**

When a car is changed in one of the cars, the manager adjusts its price on the website

Use case: Signing purchase contracts



manger

er

**Brief Description:**

When the customer chooses the car, he agrees with the manager, where the manager signs a contract with him to reserve the car

**2.3 User Characteristic*s***

The customer is expected to be familiar with the Internet and be able to use a search engine

The manager is expected to be familiar with the Internet, be able to use email with attachments, and be able to use buttons, drop-down menus, and the like.

***2.4 Non-Functional Requirements***

This site will be on a server with access to high speed. The physical device that will be used by the site manager will be determined according to the available physical capabilities. The customer’s connection depends on the devices for use from the features of this system

Access to the installation already on this computer is Windows OS

**3.0. Requirements Specification**

***3.1 External Interface Requirements:***

The only link to the external system is the link to the database that contains all types of cars, their specifications and prices

***3.2 Functional Requirements:***

The first tab will contain the types of cars and inside the specifications of each car and its price

The second tab will contain car parts and decorate them with prices

The third is to compare the types of cars

And the last tab is in case the customer decides to buy a car and sign the contract

**3.3.Non-Functional Requirements:**

This diagram shows how the application functions in a non-functional way.

**Manager**

**Add new car to database**

**Update to database**

**Customer visit site**

**Customer search in database about car**

**Will buy it**

No Yes

**Move to signing the contract**

**Figure 4 - Logical Structure of the Article Manager Data**

**3.3.2 Security:**

The server on which the Web Site resides will have its own security to prevent unauthorized edit in information.

There is no restriction on read access.

The PC on which the Web Site Manager resides will have its own security**.**