

**SOFTWARE REQUIREMENT SPECIFICATION FOR**  
**AUTOMOBILE PARTS SHOP.**

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Proposed to

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# 1. Introduction

## 1.1 Purpose

The AUTOMOBILE PARTS SHOP(APS) web application is intended to provide complete solutions for distributor as well as marketing person through a single gateway using the internet as the sole medium. It will enable marketing person to set agendas and store the valuable feedback acquired from prospects as well customers The administration module will enable a system administrator to approve and reject requests for new quotation for selected customer and maintain various track of employee's and prospect-to-customer ratio

This document is meant to discuss the features of APS, so as to serve a software validation document for the prospective client on the other.

## 1.2 Scope

Initial functional requirements will be: -

Secure registration and profile management facilities for Marketing individuals.

Browsing through the systems to check for quotation from admin ,alerts and to manage inventory of products like nut-bolts, fuel- pump etc.

Adequate searching mechanisms for easy and quick access to prospects .

Uploading 'Most Purchased' Items in each category of products in the Shop.

Strategic data and graphs for Administrators to compare between quotation for each company.

Maintaining database of regular customers of different needs.

Marketing employees are responsible for internal affairs like processing orders, assure delivery, getting customer's delivery-time feedback, and answering client's queries online.

Feedback mechanism, so that customers can give feedback for the product or service which they have purchased. Also facility rating of individual products by relevant customers.

Adequate payment mechanism and gateway for all popular credit cards, cheques and other relevant payment options, as available from time to time.

Initial non-functional requirements will be: -

Secure access of confidential data (user's details).

24 X 7 availability inside the company premises

Better component design to get better performance at peak time

In addition to the above mentioned points, the following are planned to be delivered if deemed necessary:

Warehousing within the very ambits of the project

payment gateways.

Dynamic price model by which prices can be changed based on demand and supply

Each employee can build a “strategy area”, where they can have a collection of tried and tested ideas for convincing a class company for ordering . The area created will be visible to other users who can like and/or comment on.

This list is by no means, a final one. The final list will be dictated by implementation constraints, market forces and most importantly, by end user demands.

## **1.3 Audience Definitions, Acronyms and Abbreviations**

### **1.3.1 Audience Definitions**

The intended readers of this document are the developers of the site, testers, website owners, managers and coordinators.

### **1.3.2 Acronyms and Abbreviations**

<b>Acronym</b>	<b>Meaning</b>
APS	Automobile Part Shop

## **1.4 References**

- IEEE 830-1998 standard for writing SRS document.

## **1.5 Technologies to be used**

**Programming languages:**

- Python: Python is a high-level, interpreted, interactive and object-oriented scripting language. Python is designed to be highly readable. It supports functional and structured programming methods as well as OOP.
- HTML, XML: Hyper Text Markup Language and Extensible markup Language are the predominant markup languages for web pages. It provides a means to describe the structure of text-based information in a document and to supplement that text with interactive forms, embedded images, and other objects.
- JavaScript: A client side scripting language used to create dynamic web content and user interface.

## Tools & Development Environment

- Django Framework: Django is a high-level Python Web framework that encourages rapid development and clean, pragmatic design. Built by experienced developers, it takes care of much of the hassle of Web development, so you can focus on writing your app without needing to reinvent the wheel. It's free and open source.
- Visual Studio Code: Visual Studio Code is a source-code editor developed by Microsoft for Windows, Linux and macOS. It includes embedded Git and support for debugging, syntax highlighting, intelligent code completion, snippets, and code refactoring. The extension makes VS Code an excellent Python editor, and works on any operating system with a variety of Python interpreters.

## 1.6 Overview

The rest of this SRS is organized as follows: Section 2 gives an overall description of the software. It gives what level of proficiency is expected of the user, some general constraints while making the software and some assumptions and dependencies that are assumed.

Section 3 gives specific requirements which the software is expected to deliver. Functional requirements are given by the use case.

## 2. Overall Description

### 2.1 Product Perspective

APS is aimed towards a distributor who want to reach out to the maximum cross-section of customer and common people who can be potential customer. This project envisages bridging the gap between the seller, the retailer and the customer. APS should be user-friendly, 'quick to learn' and reliable software for the above purpose. APS is intended to be a stand-alone product and should not depend on the availability of other software. It should run on both UNIX and Windows based platform.

### 2.2 Product Functions

#### User: Administrator

**Functions:** The Administrator is the super user and has complete control over all the activities that can be performed. The application notifies the administrator of all shop creation requests, and the administrator can then approve or reject them. The administrator also manages the list of available product and marketing personals day to day activities related to gaining customers . The administrator can also view and delete entries.

#### User: Employees (marketing Personal)

**Functions:** Any user can submit a daily report of calls made, customers and prospects visited through the application. When the request for given quota related to each company requirement is approved by the Administrator, the requester is notified, and from there on is given the role of Marketing Person is more defined towards handling that company. The Marketing Person is responsible for setting up the requirement of products and maintaining it. The job involves managing the items in the company. Also, (s)he can view different reports that give details of the sales and orders specific to company for analysis of company's future requirement for product.

**Functions:** To regularly visit customers along with the prospects on regular interval for their requirements .The feedback from prospects helpful for designing quota according to their needs and budget so that they handle their

contract of product to employee's company. Main aim is of getting feedback and making use of it.

**Functions:** Purchase department under a Purchase manager to overlook purchasing activities if warehousing needs arise.

**Functions:** Sales department under a Sales manager who will look after the sale of products and services, the most important activity.

**Functions:** Accounts department under an Accounts manager to look after the accounting activities of the enterprise

## **2.3 User characteristics**

The user should be familiar with the basic CRM software

The user should be familiar with the Internet.

## **2.4 Constraints**

There is no maintainability of back up so availability will get affected.

Limited to HTTP/HTTPS.

Real-life.

No multilingual support

## **2.5 Operating Environment**

The APS is a website that shall operate in all famous browsers, for a model we are taking Google chrome

## 3. Specific Requirements

### 3.1 Functional Requirements

#### 1. Administrator:

- **Database Management:** Control the database and keep track of all records of customers and employee details.
- **Contact and Giving Permission to employee and :** Contact sharing with the employee and give permission to make change in proposed generalized quota for gaining more valuable customers.
- **View all details:** View the details of all employees and control the whole site.

#### 2. Employee:

- **Taking Permission from Administrator:**
- **Consulting with Administrator:** Can consult with the Administrator regarding product's quality and advertisements.
- **Advertising Vendor's Own Products:** Responsible for making advertisements of his products, but the site will not be responsible for any kind of advertisements about products.
- **View customer details:** View the personal details of the customer.
- **Managing Sales to Customers:** Responsible for properly allocating the selected product according to the customer's choice and delivering product to the customer.
- **View Product Stocks:** Keep track of each product item's stocks for selling purpose.
- **Contacting with Administrator:** Responsible for informing administrator when any product item's stock goes under the minimum level.



### 3. Purchase Manager:

- **Consulting with Administrator:** Taking permission from the Administrator for the product to be purchased from vendor.
- **Product Stock Management:** Responsible for managing stocks of each product items.

### 4. Accounts Manager:

- **Regulating Payments:** Keep track of all the payment transactions made by the customers and update the payment information.
- **Consulting with Banks:** Responsible for contacting the banks for the validation of the a/c number provided by the customer while purchasing and make the transaction from the given a/c.
- **Consulting with Administrator:** Consult with the Administrator about the payment details of the customers for the updating of the database.

### 5. Customer Care:

- **Getting Feedback from the Customers:** Responsible for receiving complaints, queries and feedback from the customers.
- **Providing Solutions to Customers:** Provide feasible solutions to the customers on their complaints and queries.

## **3.2 Non-functional Requirements**

### **3.2.1 Performance Requirements**

- The system shall accommodate high number of items and users without any fault.
- Responses to view information shall take no longer than 5 seconds to appear on the screen.

### **3.2.2 Safety Requirements**

- System use shall not cause any harm to human users.

### **3.2.3 Security Requirements**

- System will use secured database
- Normal users can just read information but they cannot edit or modify anything except their personal and some other information.
- System will have different types of users and every user has access constraints.

### **3.2.4 Error handling**

APS shall handle expected and non-expected errors in ways that prevent loss in information and long downtime period.









