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| Software Requirements Specifications Document For Accurate Auto Inventory | by  David Terry  Min Meng  Ryan Abbott  Robbie Evans III  Grand Canyon University  22November2016 |
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# *1 Introduction*

* 1. **Purpose**

The purpose of this document is to define and describe the requirements for Accurate Auto Inventory -- to include a detailed description of functional, data, performance, usability requirements.

* 1. **Document Conventions**

This document is constructed in sections for ease of reference.

* 1. **Intended Audience and Reading Suggestions**

This document is intended for the users of the system (employees of No Hassle Auto) and the developers (members of the GCU CST116 Development Team). Constraints include the deadline for the document on 27Nov2016. Final delivery of said system is scheduled for 15Jan2017.

* 1. **Project Scope**

The Accurate Auto Inventory is an inventory management system capable of sorting, tracking, reporting, and otherwise managing an inventory of cars on a lot, in order to streamline the inventory process and maximize profitability.

* 1. **Business Context**

No Hassle Auto strives toward making every customer’s experience excellent and seamless. No Hassle Auto is truly no hassle. They provide an honest car buying experience, marking cars at a fair, no haggle price. They also pride themselves in providing accurate information to their clients; the customer’s trust is an important factor in the business relationship.

* 1. **Abbreviations, Acronyms, Definitions**

Application = Accurate Auto Inventory Interface;

Developer = GCU Development Team or any member of said team;

Document = This System Requirements Document;

Program or System = Accurate Auto Inventory System;

User= No Hassle Auto employees and administrators;

* 1. **References**

N/A;

# *Product Overview*

# **Product Functions**

Accurate Auto Inventory is a self-contained, standalone system that allows the employees of No Hassle Auto to input and remove cars, keep count of car models, sort cars according to stock number or other, and run various dated and timed reports. System should adjust count automatically as cars are added or removed.

* 1. **Product Features**

The employees of No Hassle Auto will be able to search for cars by make, model or stock number and mark cars as sold. For security purposes, employees will be asked to enter their employee ID number after a period of inactivity.

* 1. **User Classes and Characteristics**

The user class embodies all employees and administrators of No Hassle Auto. All employees will be able to fully navigate the system with the exception that Administrators will hold the high-level privilege of purging the car inventory.

* 1. **Operating Environment**

System should operate across all non-mobile platforms (Windows, Linux & Mac OS).

# **Design Constraints**

The program is not available on Mobile Devices as stated above. The database (which includes inventory) is stored on a local machine and cannot be shared across devices.

* 1. **User Documentation**

Upon delivery of the Accurate Auto Inventory system, No Hassle Auto will also receive a training video for administrators and employees. This video will walk through items included in “Statement of Functionality”.

# 3 ***Functional Requirements***

## **3.1 Statement of Functionality**

Accurate Auto Inventory will permit the No Hassle Auto to seamlessly manage their inventory via user interface controls.

* FR(0) : The user should be able to add and delete vehicles to inventory on demand.
* FR(1) : The system should automatically add and remove vehicles as they are sold or added to inventory based ordering or history.
* FR(2) :Program should track changes for reporting and reordering purposes.
* FR(3) :Administrator should be able to purge inventory; access is restricted via password protection.
* FR(4) : User should be able to search for vehicles based on name, color, model, quantity, stock number or type.
* FR(5) : User should be able to run reports on demand.
* FR(6) : N/A

# **3.2 Optional**

# ***4 Interface Requirements***

## **4.1 GUI**

User interface will be based on a Microsoft platform.

## **4.2 Command Line Interface**

No command line interface for this project.

## **4.3 Communications Interface**

No communications interfaces at this time; any future networking will be handled via the operating system.

## **4.4 Software Interface**

While there are no software interfaces slated for this project an optional requirement for exportation to Microsoft Excel/spreadsheet is a consideration for a future version.

## **5.0 Appendix**



