# 

***ADVENTURE WORKS***

***Software Requirement Specification***

<Version 1.0>

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# Version Table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Version no** | **Reviewed by** | **Review Comments** |
| 18/11/16 | Overview And Introduction | Abhishek | Version 1.0 | Abhishek |  |
|  | Introduction |  | Version 1.0 |  |  |
|  | General Descriptive |  | Version 1.0 |  |  |
|  | General Descriptive |  | Version 1.0 |  |  |
|  | General Descriptive |  | Version 1.0 |  |  |
|  | Specific Requirement |  | Version 1.0 |  |  |
|  | Specific Requirement |  | Version 1.0 |  |  |
|  | Specific Requirement |  | Version 1.0 |  |  |
| 18/11/16 | Analysis Model | Abhishek | Version 1.0 | Abhishek |  |
|  | Analysis Model |  | Version 1.0 |  |  |
|  | Analysis Model |  | Version 1.0 |  |  |

**TABLE OF CONTENTS**

VERSION TABLE 2

1.Overview 4

2. Introduction 5

2.1 Purpose 5

2.2 Scope 5

2.3 Definitions, Acronyms, And Abbreviations 5

3. General Description 6

3.1 Product Perspective 6

3.2 Product Functions 6

3.3 User Characteristics 6

3.4 General Constraints 6

3.5 Design Constraints 7

3.6 Assumptions and Dependencies 7

4. Specific Requirements 7

4.1 External Interface Requirements 7

4.1.1 User Interfaces 7

4.1.2 Hardware Requirement 7

4.1.3 Software Requirement 7

*4.1.4 Communication Interface...............................................................................................................................7*

4.2 Functional Requirements 7

*4.2.1 Performance…………………………………………………………………………………………………………...7*

*4.2.2 Reliability……………………………………………………………………………………………………………….7*

*4.2.3 Availability……………………………………………………………………………………………………………....7*

*4.2.4 Security…………………………………………………………………………………………………………………....7*

4.4 Non-Functional Requirements 8

5. Analysis Models 9

5.1 Data Flow Diagrams (DFD) 9

A. REFERENCES 16

1. **Overview**

This document contains the solutions statement that the current system is facing which is hampering the growth opportunities of the company. It further contains a list of the proposed solution. It also illustrates the needs and wants of the customer that were identified in the brainstorming exercise as part of the requirements workshop. It further lists and briefly describes the major features and a brief description of each of the proposed system.

The following SRS contains the detail product perspective from different customer. It provides the detail product functions of **Adventure Works** with user characteristics permitted constraints, assumptions and dependencies and requirements subsets.

# 2. Introduction

## Purpose

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose, scope, definitions, acronyms, abbreviations, references and overview of the SRS. The aim of this document is to gather and analyze and give an in-depth insight of the complete **Adventure Works** by defining the problem statement in detail. Nevertheless, it also concentrates on the capabilities required by stakeholders and their needs while defining high-level product features. The detailed requirements of the **Adventure Works** are provided in this document

## Scope

Primarily, the scope pertains to the software features for making **Adventure Works** project working as client expected. It focuses on the company website where user can enquiry about products.This SRS is also aimed at specifying requirements of software to be developed. The standard can be used to create software requirements specifications directly or can be used as a model for defining an organization or project specific standard. It does not identify any specific method, nomenclature or tool for preparing an SRS.

## 2.3 Definitions, Acronyms, and Abbreviations

**2.3.1 Definitions**

**2.3.2 Acronym**

**2.3.3 Abbreviation**

SRS-Software Requirement Specification.

**3. General Description**

## 3.1 Product Perspective

The final version of this system will be used mainly for inquiry about products and availability.

• Security management

General purpose so open to all. No security is maintained.

* 1. **Product Functions**

**3.3 User Characteristics**

User can only enquiry about Adventure Works products and add item to bookmarks.

## 3.4 Design Constraints

* N/A

## 3.5 Assumptions and Dependencies

**3.5.1 Assumptions:**

* The Web is developed on ASP.Net MVC 4.0 and backend is SQL Server 2008.

**3.5.2 Dependencies:**

# 4. Specific Requirements

* 1. **External Interface Requirements**

**4.1.1** **User Interfaces**

User can access webpage by directly going on this website and about products.

**4.1.2 Hardware Requirement:**

* Processor : Corei3 or Higher Versions(i5 or i7)
* Operating System : Windows xp/ Windows 7/ Windows 8
* RAM : 2GB and above is recommended
* Hardware Devices : Keyboard with mouse
* Hard disk : 10GB or More
* Display : Standard Output Display

**4.1.3 Software Requirement:**

* Technology Implemented : Sql Server 2008
* Language Used : C#
* Database : Sql Server

**4.1.4 Communications Interfaces:**

* 1. **Functional Requirements**

A functional requirement defines a function of a [system](http://en.wikipedia.org/wiki/System) and its components.

* + 1. **Performance**

The following performance requirements should be maintained in the project.

* Each page in the site needs to load in a reasonable amount of time.
  + 1. **Reliability**

**4.2.3** **Availability**

The site should be accessible to as many browsers as possible, including text browsers.

**4.2.4 Security**

**4.2.5 Maintainability**

**4.2.5 Portability**

# 4.3 Modules

**4.3.1 Customer:**

**4.3.2 Quotation:**

**4.4 Non –Functional Requirements**.

* The system facility should be properly maintained.
* All the systems should be connected in a network.

**5. Analysis Models**

**5.1 Data Flow Diagram**

**LEVEL – 0**

Access website

Display products

Adventure Work

Home Page

**LEVEL-1**

View Productss

View

Query Database

Data Base

Home Page

**A. References**

Some of the references used for preparing the documents include:

* [www.google.com](http://www.google.com)
* [www.wikipedia.com](http://www.wikipedia.com)
* Stackoverflow.com