Newsportal

Software Requirements Specification

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# 1. Introduction

News Portal is the ultimate magazine theme with creative design and powerful features that allow you to quickly and easily create a style to suit your needs. It is completely built on Customizer which allows you to customize most of the theme settings easily with live previews. It is the fully widgetized theme so as to let users manage the website using the easy to use widgets. .

## 1.1 Purpose

The purpose of using a news portal website is to offer information to the public and provide instant and latest news updates from all over the world. It allows for easier accessibility and live coverage of events.

## 1.2 Scope

The scope of news portal website is vast and many benefits. Here are three points that highlight the scope of news portal website:

(1) **Global Reach:** A new portal website can research a global audience as it is not restricted to a particular geography. Anyone with an Internet connection can access the information on the website from anywhere in the world.

(2) **Diversification:** A News portal website can cover a wide range topic and categories such a society, politics, economy, culture, environment, health, business, ect. This allows for diversification and the ability to engage with people with varying interests.

(3) Describe the application of the software being specified. As a portion of this, it should:

(a) Describe all relevant benefits, objectives, and goals as precisely as possible. For example, to say that one goal is to provide effective reporting capabilities is not as good as saying parameter-driven, user-definable reports with a 2 h turnaround and on-line entry of user parameters.

(b) Be consistent with similar statements in higher-level specifications (for example, the System Requirement Specification) , if they exist.What is the scope of this software product.

## 1.3 Definitions, Acronyms, and Abbreviations

Newsportal is a website that provides news and information from various sources. Some examples of acronyms and abbreviations related to newsportal are CNN, BBC, NYT, and RSS.

## 1.5 Overview

This subsection should:

(1) Newsportal website is a website that provides news and information from various sources, such as newspapers, magazines, blogs, podcasts, videos, and social media.

(2)  A Newsportal website can cover different topics, such as politics, economy, business, science, culture, sports, entertainment, and more.

# 2. General Description

Newsportal is a misspelling of newsportal, which is a website that provides news and information from various sources. A newsportal website can cover different topics, such as politics, economy, business, science, culture, sports, entertainment, and more. A newsportal website can also offer opinions, analysis, commentary, and interactive features for its users.

## 2.1 Product Perspective

The product perspective of newsportal in website is the way that the newsportal website provides value to its users and stakeholders.

## 2.2 Product Functions

The product function of newspotral website is the way that the newsportal website performs its tasks and delivers its services to its users and stakeholders.

## 2.3 User Characteristics

The user characteristics of newsportal website are the attributes and behaviors of the users who visit and interact with the newsportal website.  (Demographic, Psychographic, Behavioral,Technical).

## 2.4 General Constraints

This subsection of the SRS should provide a general description of any other items that will

limit the developer’s options for designing the system. (See the IEEE Guide to SRS for a partial list of possible general constraints).

## 2.5 Assumptions and Dependencies

This subsection of the SRS should list each of the factors that affect the requirements stated in the SRS. These factors are not design constraints on the software but are, rather, any changes to them that can affect the requirements in the SRS. For example, an assumption might be that a specific operating system will be available on the hardware designated for the software product. If, in fact, the operating system is not available, the SRS would then have to change accordingly.

# 3. Specific Requirements

This will be the largest and most important section of the SRS. The customer requirements will be embodied within Section 2, but this section will give the D-requirements that are used to guide the project’s software design, implementation, and testing.

Each requirement in this section should be:

* Correct
* Traceable (both forward and backward to prior/future artifacts)
* Unambiguous
* Verifiable (i.e., testable)
* Prioritized (with respect to importance and/or stability)
* Complete
* Consistent
* Uniquely identifiable (usually via numbering like 3.4.5.6)

Attention should be paid to the carefuly organize the requirements presented in this section so that they may easily accessed and understood. Furthermore, this SRS is not the software design document, therefore one should avoid the tendency to over-constrain (and therefore design) the software project within this SRS.

## 3.1 External Interface Requirements

### 3.1.1 User Interfaces

### 3.1.2 Hardware Interfaces

### 3.1.3 Software Interfaces

### 3.1.4 Communications Interfaces

## 3.2 Functional Requirements

This section describes specific features of the software project. If desired, some requirements may be specified in the use-case format and listed in the Use Cases Section.

### 3.2.1 <Functional Requirement or Feature #1>

3.2.1.1 Introduction

3.2.1.2 Inputs

3.2.1.3 Processing

3.2.1.4 Outputs

3.2.1.5 Error Handling

### 3.2.2 <Functional Requirement or Feature #2>

…

## 3.3 Use Cases

### 3.3.1 Use Case #1

### 3.3.2 Use Case #2

…

## 3.4 Classes / Objects

### 3.4.1 <Class / Object #1>

3.4.1.1 Attributes

3.4.1.2 Functions

<Reference to functional requirements and/or use cases>

### 3.4.2 <Class / Object #2>

…

## 3.5 Non-Functional Requirements

Non-functional requirements may exist for the following attributes. Often these requirements must be achieved at a system-wide level rather than at a unit level. State the requirements in the following sections in measurable terms (e.g., 95% of transaction shall be processed in less than a second, system downtime may not exceed 1 minute per day, > 30 day MTBF value, etc).

### 3.5.1 Performance

### 3.5.2 Reliability

### 3.5.3 Availability

### 3.5.4 Security

### 3.5.5 Maintainability

### 3.5.6 Portability

## 3.6 Inverse Requirements

State any \*useful\* inverse requirements.

## 3.7 Design Constraints

Specify design constrains imposed by other standards, company policies, hardware limitation, etc. that will impact this software project.

## 3.8 Logical Database Requirements

Will a database be used? If so, what logical requirements exist for data formats, storage capabilities, data retention, data integrity, etc.

## 3.9 Other Requirements

Catchall section for any additional requirements.

# 4. Analysis Models

List all analysis models used in developing specific requirements previously given in this SRS. Each model should include an introduction and a narrative description. Furthermore, each model should be traceable the SRS’s requirements.

## 4.1 Sequence Diagrams

## 4.3 Data Flow Diagrams (DFD)

## 4.2 State-Transition Diagrams (STD)

# 5. Change Management Process

Identify and describe the process that will be used to update the SRS, as needed, when project scope or requirements change. Who can submit changes and by what means, and how will these changes be approved.

# A. Appendices

Appendices may be used to provide additional (and hopefully helpful) information. If present, the SRS should explicitly state whether the information contained within an appendix is to be considered as a part of the SRS’s overall set of requirements.

*Example Appendices could include (initial) conceptual documents for the software project, marketing materials, minutes of meetings with the customer(s), etc.*

## A.1 Appendix 1

## A.2 Appendix 2