**Software Requirements Specifications (SRS)**

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**Revisions Page**

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**Overview**: This document outlines the requirements for the Article-Publishing Website project. It details the system's functionalities, user interactions, and performance criteria.

**Target Audience**: This document is intended for project stakeholders, including project managers, developers, designers, and anyone involved in the planning and development of the project.

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1 INTRODUCTION

1.1 Product Overview

The software project aims to create a website for publishing articles on general topics. Articles will be contributed by experts in their respective fields. Users can register on the site, browse articles, and leave comments.

2 SPECIFIC REQUIREMENTS

2.1 External Interface Requirements

2.1.1 User Interfaces

- The website will have a user-friendly and intuitive interface.

- Users can register, log in, and navigate various sections easily.

2.1.2 Hardware Interfaces

- The website will be accessible through standard web browsers on various devices.

2.1.3 Software Interfaces

- The website will integrate with a database management system for storing articles and user data.

2.1.4 Communications Protocols

- The website will use HTTPS protocol for secure communication between users and the server.

2.2 Software Product Features

- User Registration: Users can create accounts and log in.

- Article Browsing: Users can browse articles by category and author.

- Article Submission: Experts can submit articles for approval.

- Commenting System: Users can leave comments on articles.

2.3 Software System Attributes

2.3.1 Reliability

- The system shall be available 24/7 with minimal downtime for maintenance.

2.3.2 Availability

- The website shall have an uptime of at least 99%.

2.3.3 Security

- User data shall be securely stored and encrypted.

- User authentication and authorization shall be implemented.

2.3.4 Maintainability

- The system shall be designed with clear and modular code for easy maintenance.

2.3.5 Portability

- The website shall be compatible with major web browsers (Chrome, Firefox, Safari, Edge).

2.3.6 Performance

- The website shall load pages within 3 seconds on average.

2.4 Database Requirements

- The system shall use a relational database for storing articles, user accounts, and comments.

- Database tables shall be designed to efficiently handle large volumes of data.