**Software Requirements Specification**

**for**

**Thunder Blog Web Application**

**ThunderBlog .Inc**

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1. **Purpose:**
   1. **Motivations:**

The need for a fast and reliable yet lightweight system so that any person can use it to share their day-to-day stories, their opinions on contentious matters, and the freedom to do so with assured security.

* 1. **Goals:**

**1.** Ensuring seamless user experience with a user-friendly and straight-forward interface that is easy to navigate.

**2.** Creating a web application that is free to use but will be open for advertisements in the future**.**

**3.** Ensuring the system is safe and reliable by implementing measures such as user authentication, authorization and data encryption.

1. **Overview & Scope:**
   1. **Scope Statement:**

ThunderBlog Web Application is going to be a comprehensive blogging platform that allows users to publish and share their stories and opinions securely. This includes designing and implementing the user interface, integrating robust security measures, and ensuring scalability for future growth. The application will be accessible via all web browsers on both computers and mobile devices and will initially support basic text. The project will include advanced features such as real-time collaboration, mobile application development, and data analytics.

The website will need a database management system for storing user data, and network infrastructure for data transfer. The project timeline spans from initial development to deployment and post-launch maintenance, with key milestones including: design, development, testing, and deployment phases.

* 1. **Key Stakeholders:**

1. Real Users (Bloggers).

**2.** Developers & Administrators.

**3.** Marketing Department.

**4.** Online Advertisers.

**5.** Social Media influencers.

**6.** Consumers/Readers.

1. **Requirements:**
   1. **System Overlook (Use Case Diagram):**

**A screenshot of a computer screen

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* 1. **Functional Requirements:**

1. The website shall have an interactive and scalable interface that is easy to navigate.
2. The user shall be able to view all the blogs without having to register.
3. The user shall be authenticated when logging in.
4. The user shall navigate the website through the navigation bar.
5. The user shall be able to register with their Name, Email and Password.
6. The user shall be able to leave the website and return and be able to log in using their Email and Password to their account.
7. The logged-in user shall be able to write a blog in a designated section and publish it, and other users shall be able to view it.
8. The logged-in user shall be able to view the blogs they have written in the Home Page.
9. The logged-in user shall be able to view their account information, the same ones they had registered with.
10. The user shall be able to access history of blogs they viewed.
11. The user shall be able to log out of their account at any moment.
    1. **Non-Functional Requirements (Quilty Requirements):**
12. The system shall respond to user actions within an acceptable timeframe, with a maximum response time of 3 seconds for standard operations.
13. The system shall be safe and secure, the data shall be safe and encrypted.
14. The application shall be scalable to handle increasing traffic and data volume efficiently.
15. The system shall be reliable and available for access without any significant interruptions.