# Software Requirements Specification (SRS) for Blogging website

**Non-Functional Requirements**

3.2.1 Performance and Scalability

1. Performance: The system should respond to user actions (e.g., page loads, form submissions) within 2 seconds under normal operating conditions.

2. Scalability: The system should be designed to handle a minimum of 1000 concurrent users without experiencing a significant decrease in performance.

3.2.2 Reliability and Availability

1. Uptime: The system should have an uptime of at least 99.9% over any given month, calculated on a quarterly basis.

2. Backups: Regular automated backups of the database should be performed daily, with a retention period of at least 30 days.

3.2.3 Security and Privacy

1. Password Security: User passwords must be stored using industry-standard cryptographic hashing algorithms (e.g., bcrypt) to prevent unauthorized access.

2. Data Encryption: All data transmitted between the client and the server should be encrypted using Transport Layer Security (TLS) with a minimum of version 1.2.

3. Access Control: Role-based access control (RBAC) should be implemented to ensure that users can only access resources and perform actions appropriate to their roles.

4. Data Privacy Compliance: The system should comply with relevant data protection and privacy laws, including but not limited to GDPR and CCPA.

3.2.4 Usability and Accessibility

1. Usability: The user interface should be intuitive and user-friendly, ensuring that common tasks can be completed with minimal effort and cognitive load.

2. Accessibility: The website should adhere to Web Content Accessibility Guidelines (WCAG) 2.0 Level AA standards to ensure it is accessible to users with disabilities.

3.2.5 Compatibility and Interoperability

1. Browser Compatibility: The website should be compatible with the latest versions of popular browsers, including Chrome, Firefox, Safari, and Edge.

2. Device Compatibility: The website should be responsive and functional on various devices, including desktops, laptops, tablets, and mobile phones.

3.2.6 Legal and Compliance

1. Intellectual Property: Ensure that the system does not infringe on any third-party intellectual property rights, and properly attribute or license any content used.

2. Terms of Service and Privacy Policy: Provide clear and comprehensive terms of service and privacy policy documents that outline user rights, responsibilities, and data handling practices.

---

Please note that these non-functional requirements should be tailored to fit the specific needs and constraints of your blogging website project. Additionally, it's important to involve relevant stakeholders, including developers, designers, legal advisors, and compliance experts, in the process of defining and reviewing these requirements.