

1 Introduction:

1.1 Purpose of this Document: the aim of this document is to specify all the requirements for BMS BUZZ which is a discussion platform

1.2 Scope of this document – The purpose of Online Blogging System is to automate the existing manual system by the help of computerized and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

1.3 Overview –The purpose of Online Blogging System is to automate the existing manual system by the help of computerized and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

2 General description:

The required software and hardware are easily available and easy to work with. Online Blogging System, as described above, can lead to error free, secure, reliable and fast management systems. It can assist the user to concentrate on their other activities rather than concentrating on the record keeping. Thus, it will help organizations in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information

3 Functional Requirements:

1. User can use any other third party authenticated account to log-in
2. User can view default and random posts without login (guest mode)
3. User has to log in to reply, up vote, down vote or join a community
4. User can create communities/spaces.

Functionalities under moderator:

1. The user creating the community/space will be the moderator of that community
2. The moderator can give other members of the community the moderator status
3. The moderator of the community can delete the posts made by other members
4. Moderator can change the profile details of the community

4 Interface Requirements: Android and google account.

5 Performance Requirements: Performance requirements for an online discussion forum application may include:

Response time: The application should have a quick response time to user requests, ensuring that pages and content load quickly to provide a seamless user experience. The response time should be measured in milliseconds.

Scalability: The application should be able to handle a growing number of users and content without affecting performance. The application should be designed to scale horizontally and vertically as needed.

Availability: The application should be available for users at all times, ensuring minimal downtime or service interruptions. The application should have a high availability percentage, such as 99.9% or higher.

Reliability: The application should be reliable and perform as expected, minimizing the occurrence of errors, crashes, or system failures. The application should have a low error rate and should be able to recover quickly from any issues.

Security: The application should be secure and protect user data, preventing unauthorized access, data breaches, or attacks. The application should use appropriate encryption and authentication mechanisms and should be compliant with security standards and regulations.

Search functionality: The application should have a robust and accurate search functionality to help users quickly find the content they are looking for. The search functionality should be optimized for speed and accuracy.

Database performance: The application should have a well-designed database schema and optimized database queries to ensure fast and efficient data retrieval and storage.

6 Design Constraints:

Design constraints for an online discussion forum application may include:

Technology stack: The application may have to be designed using specific technologies to meet requirements or integrate with existing systems. These technologies may include programming languages, frameworks, databases, and web servers.

Platform compatibility: The application may have to be compatible with different operating systems, browsers, and devices to reach a broader audience. The application may have to be tested and optimized for different platforms to ensure a consistent user experience.

Access and permissions: The application may have to restrict access to certain features or content based on user roles or permissions. The application may have to integrate with existing user management systems or implement its own.

User interface design: The application may have to conform to specific user interface design standards, such as branding guidelines or accessibility standards. The application may have to be designed to be intuitive and user-friendly to ensure high user engagement.

Performance limitations: The application may have to be designed to work within specific performance limitations, such as network bandwidth or hardware resources. The application may have to be optimized for speed and scalability while keeping resource usage within acceptable limits.

Compliance and regulation: The application may have to comply with specific regulations or standards, such as data protection laws, accessibility guidelines, or industry-specific standards. The application may have to be designed to collect and store user data in a compliant and secure manner.

7 Non-Functional Attributes: 1 easy navigation

2 speed

3 compatibility

4 capacity

5 usability

8 Preliminary Schedule : 3 months