

Ahsanullah University of Science & Technology

Department of Computer Science & Engineering



Blogging Website

CSE 3224

Information System Design
&

Software Engineering Lab

Submitted By:

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Introduction to Project:

“Onukabbo” is cross platform Bangla blog site. It will allow Bengali bloggers to spread their voice on different issues. Its prime goal will be to connect bloggers with their readers more stronger and simpler way. Readers will be able to give feedback on post and writers will be informed about different topics to improve their writings.

Project Objectives:

- To give readers a cleaner interface so that they can enjoy their readings.
- Allow writers and readers exchange their thoughts effectively.
- To provide writers more robust tools so that they can reach more audiences.

Study of Existing System:

- Some popular Bangla blogging websites are Somewherein, Sachalayatan, Nagorik Blog and many more.
- Most of the readers are from mobile platforms according to “Somewhreain” daily visitors stat.
- A group of moderators maintains the website.

Problems/Limitation of Existing System:

- Very poor user interface. User have to spend lot of time to get familiar with the interface.
- Most of the existing website’s design is not responsive. So they lose a big portion of audience.
- Posts are not well organized. Readers have hard time finding posts and writers.
- Readers cannot follow topics and writers. Post recommendation is very poor.

Advantages / Goals of Proposed System:

- Great user interface.
- Simpler and user friendly to use.
- Posts are well categorized.
- Reduces gap between readers and writers.
- Read later option allows to save a blog post.
- Option to report an offensive content.

Types of Stakeholders (users) of the Proposed System:

Following are the stakeholders of our system:

- I. Registered Users / Bloggers / Content Writers / Readers
- II. Unregistered Users / General Users
- III. Admin

Functionality Grouping According to the Users:

This website is designed for three kinds of users. Users will get different functionality according to their type.

Registered Users / Bloggers :

- Post or edit article
- Search article
- Edit profile
- Read Later
- Post Comment
- Report article

Unregistered Users:

- Read Article
- Search Article
- Registration

Admin:

- Delete any reported article

- Ban User
- Change or modify website content

Requirement Specification:

Introduction:

To implement our proposed system, we need to develop a requirements specification that gives us a complete view about all the functional and non-functional requirements.

Functional Requirement:

FR01: Registration

Req. No	Functional Requirements
FR01-01	The system must provide a registration form having name, email, username and password to those willing to register themselves on the website.
FR01-02	The system must provide login form having username and password to the users to have access to the registered account.
FR01-03	The system shall provide a password recovery option to the users who have forgotten their password.

FR02: Managing Post

Req. No	Functional Requirements
FR02-01	The system shall provide registered users to add new posts. Users will have the opportunity to add title, category and image along with the post.
FR02-02	The system shall allow registered users to edit or remove a previously posted article.
FR02-03	The system will show all the posted article by their title name on the front page of the user. User will be allowed to view any blog post from front page.

FR03: Searching

Req. No	Functional Requirements
FR03-01	The system will allow user to search for a particular blog post.
FR03-02	The system may allow user to search for a different user by their name.

FR04: Post Viewing by Category

Req. No	Functional Requirements
FR04-01	The system will allow user select a particular category which will filter out all the relevant posts of that category.
FR04-02	The system will show most popular blog post on the home page. Posts will be ranked by number of likes, dislikes, comments etc.

FR05: Registered User's Facility

Req. No	Functional Requirements
FR05-01	The system shall allow registered users to add comment to a blog post.
FR05-02	The system will allow registered users to like or dislike to a blog post which will determine the quality of that post.
FR05-03	The system will enable registered users to report an abusive, illegal or offensive content.
FR05-04	The system will provide read later option to registered users. Read later option will save a blog post so that user can read it later.
FR05-05	The system will provide registered user a user profile. A user can edit his/her personal information anytime he/she like.

FR06: Admin Panel Activity

Req. No	Functional Requirements
FR06-01	The system will allow admin to remove any post reported previously by users after proper verification.
FR06-02	The system will allow admin panel to ban any user for their illegal activities.

FR07: User Feedback and Information Request

Req. No	Functional Requirements
FR07-01	The system will provide users a contact page for their feedback, questions and any query regarding the website.

Non-Functional Requirement:**NFR01: Performance**

Req. No	Functional Requirements
NFR01-01	The system will not get slow when number of users is high.
NFR01-02	Average load time of the starting page of the system must be less than 2 second.

NFR02: Security

Req. No	Functional Requirements
NFR02-01	The system must provide access to registered users only who can enter through login procedure.
NFR02-02	System must not provide access to ANY user EXCEPT the designated user to update the database.

NFR03: Portability

Req. No	Functional Requirements
NFR02-01	The system will run on any device with any operating system if it has a web browser.

NFR04: Defects-Maintenance

Req. No	Functional Requirements
NFR04-01	Post Release defects of the system must not exceed 1 critical bug every 2 months.
NFR04-02	Post Release bug fixing should not take more than 3-5 hours.

Overall Constraints:

- Blog posts
- User information
- Comment / like / dislike on blog posts
- Report offensive post
- Category wise post view
- Ranking of posts
- Post searching
- Save for later option
- Performance, security and portability

Conclusion:

“Onukabbo” is a Bangla blogging platform where people can write about anything of their interest in Bangla and share their thoughts and ideas to the world. The key purpose of this website is to bring all Bangla speakers in one place where they will be able to exchange information and ideas. This will indeed make a great platform if all the functional requirements are performed properly.