

”Report For Project NSUBUD’s”

Project Name: NSUBUD's

Course : CSE311L

Section: 1

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1 Introduction

NSUBUD's social media project was a most demandable idea for North south university community. Due to this increasing demand, we developed this social media site for NSUer and their faculteis. WE noticed NSUer's uses other social media for communicate and all other activities, which is not secure for the community. This NSUBUD'S social media site developed with the NSUer or not verification. No one can join this social site who is not an NSUer. This would be the best site for alumni, current student, faculties and who has a NSU edu mail address. Here one can post videos, pictures, status. Also one can comment and like on post. This social site for nsuer included of variety of functionality that is similar to other social sites But their has some features which is very beneficial for north south university community.

2 About NSUBUD's

This NSUBUD'S social media site is a web based technology or software application which is only developed for The North South University Community. In general, social media site can use anyone who want but this is different from others. Here may also provide students/learners with the ability to use interactive features such as threaded discussions, group conferencing, and discussion forums. Besides, it facilitates administration, documentation, tracking and reporting of programs and events.

Github repository :<https://github.com/Aporbo/NsuBuds>,

2.1 Propose and benifites of NSUBUD'S

The main objective of NSUBUD'S social media is to enhance the communication process. A community bases social site is not only delivers social life, but also handles registering all community members in one stage, increase connectivity. Fill the communication gap with the alumni, get all announcement from admin also getting help from help regarding NSUBUD's social media also NSU. ALL social media are web based and are used in various educational community and institution to improve classroom communication, showing skills, and alumni records. It is used in various educational and non-educational community like in business and so on.

Benefits Of NSUBUD's:

1. Communication And Collaboration: The biggest advantage of NSUBUD's social media is better communication. A student can connect with anyone at any point in time via Group message. They can use NSUBUD's via their smartphone, tablet or computer, and learners can exchange questions, make personal chats. If a student is stuck with their homework, they can always communicate with their friends or tutors in one place. They don't need to wait and meet the teacher physically. NSUBUD's promote learning by offering support with sharing documents as well such as via group chat file upload or posting. Some teachers even fixed a meeting with their class time, as this American teacher does by reading bedtime stories to her students every evening.

2. Finding Concrete Information Online: Various people can share on NSUBUD's social media networks are providing plenty of information that can be helpful to students. Via NSUBUD's social media news feeds, students can find informational and relevant help they want to follow so as to be kept in the loop. Depending on their interests, students can find answers to their questions.

3. Improved Literacy, Communication, And Reading Skills: It is usually observed that students are bored of reading and writing, however, the internet and social media provide plenty of online information which often students are more inclined to read, especially if these pieces of information include eye-catching animations. Online messages, comments, news, articles, and books provide an endless list of information to be read, and students are motivated to devote their time and put some extra efforts towards their learning.

Such online activities contribute to the child's general learning, and kids eventually develop stronger reading habits resulting in a drastic improvement in their writing abilities. This Social media sites is the most part interactive and this definitely keeps the student involved.

4. News and Update we know there are various news channels exist then why need to see news from social media? Students usually watch the news on TV spending some time in front of it, but on social media, you can get instant notification of news and if you find that particular news interesting you can click to see the whole news otherwise you can skip. It will save you time. many of them miss the deadline to filling up the information. Here is a feature to let all them to aware of the deadline.

5. For creative demonstration: Through social media, students, as well as teachers, can demonstrate their skills and express themselves. It allows students to express in many ways, like by

posting photos, blogs, articles, video, audio clips, etc. This allows students to explore their talents and give them opportunities in the future.

6. As a marketing tool: Through NSUBUD's, students can promote any festival and activities. Clubs can promote their activities events in one place where they will get all the users in one place. It would be the best platform to practice clubbing here. This is how you can ensure other students to participate in your college. You can also advertise your art and craftwork on this platform. And it's also a good platform for fundraising.

7. Faculty review: Students can be informed about a faculty before taking courses and get contacted with that faculty for furthermore needs.

8. Research field : Students can see the faculties who are working in the same as their desired fields and approach them immediately. By which it will be more easier being informed about their research interests.

9. Interactive environment.: Through new online tools, the interaction and communication part improved. Learners get the answers in real time and the engagement is more geared toward being interactive.

10. Anytime, anywhere:

2.2 NSUBUD's feature

Finally, some common features found in the majority of NSUBUD'S included:

1. Managing users, posts, chats, and comments. .
2. Getting all importance notices
3. Posting relevant questions .
4. Lien or Commenting on someone post
5. Simple and Friendly User Interface.
6. Secure Login
7. Networking Element.
8. Content Sharing Method
9. Messaging System
10. Customizable Privacy Settings
11. Customizable Privacy Settings

3 User Story

3.1 Use Case 1

A student named Aporbo wants to communicate with a faculty for assist. He got two options

- i) Either he can search in the site for that particular faculty's id to send text or
- ii) He can post in groups to know how to be contacted with that faculty.

3.2 Use Case 2

A teacher has to discuss an urgent matter that should be noticed by the students immediately.

- A) He/She can post in the group or
- B) Send a text to each student separately

3.3 Use Case 3

Use Case 3: Any club wants to advertise of their activities

- A) Can announce in a group and share in other groups
- B) Can send invitations to the faculties and students in their inboxes.

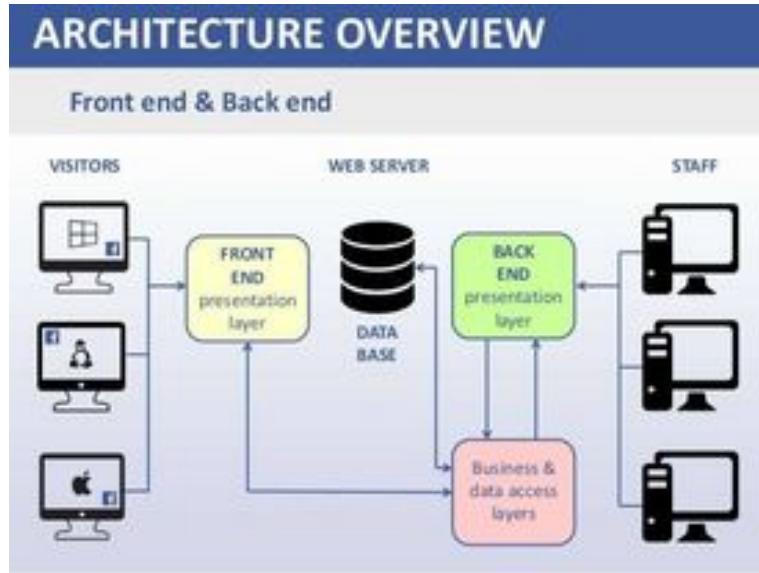
3.4 Limitation of the Site

- Can't store the profiles or ids by adding in one's profile or by following
- Lack of privacy that can violate the rules of the site. For example: sending messages unnecessarily to a faculty.
- Can't communicate via call or send any voice records

4 Solution Description

4.1 Architecture

Database will receive requests of students and faculties from multiple types such android, iOS and windows apps and also browsers. There is mySQL for database system.



4.2 Front-end Plan

User:

1. Login and register page
 2. register steps page
 3. Home page
 4. Timeline
 5. Help
 6. profile
 7. About
 8. settings
 - a. Forgot Password
 - b. Profile Management
- c. Deactivation account
3. Searching profile:
 - a. Faculty search
 - b. Student Search

Admin:

- 1.login
- 2.all public post
- 3.help reply
- 4.all profiles
- 5.settings:
 - a.password changed
 - b.deactivate
- 6.Send notice

4.3 Backend development

1. Account Creating, Password Recover:
 - a. Sign up form.
 - b. Login
 - c. Forgot Password
2. Profile Management:
 - a. Profile
 - d. Others
3. Searching facility:
 - a. Faculty search
 - b. Student Search
- 4.posts images
- 5.chats
- 6.notices

4.4 Tools and Technologies

1. Database: Mysql
2. PHP
- 3.Javascript 4.html 5.css

5 Advantage

There are six major advantages of NSUBUD'S social networking site: interoperability, accessibility, reusability, durability, maintenance ability, and adaptability, which in themselves constitute the concept of NSUBUDS.

1. NSUBUD'S supports content in the formats: text, image.
2. One can access posts anytime, from everywhere, anyone can modify and repost them, and others can see the updated post.
3. Students can approach any faculty to get help in their courses for better understand and also can get help from administration in their needs.
4. The NSUer, faculty, and administration staff can communicate thoroughly without any hassle and pass any information within a short period of time.
5. Students can learn and get information collaboratively by setting up a website with the NSUBUDS software and helps Keeps organizations up-to-date with compliance regulations. If your organization must stay up-to-date with current compliance regulations, then NSUBUDS can be an invaluable tool.

6 Hardware and Hosting Plan

Here is a list of possible cloud plans. We have to choose one that fits best and also economical.

Table 1: Cloud hosting plans

Cloud Provider	DC location	Latency (ms)	Starter description	Starter price (USD)	Mobile app ext. (with Redis)	Mobile app ext. price (USD)	Total expense (USD/mo)
AWS (Amazon Inc.)	Singapore	83	EC2- small, EBS, Transfer 20TB, 0.12\$/GB	\$16.84	0.022/hr for a cache.t2.micro, goes lower (\$0.009/hr) with 3 year term	\$15.84	\$32.68
Godaddy (Godaddy Inc.)	Singapore	80	1 GB memory, 1 core, 30GB SSD, 2TB Transfer	\$14.99	512 MB memory 1 CPU 20GB SSD 1TB transfer	\$5.00	\$19.99
Azure (Microsoft)	Chennai	110	1 core, 20 GB Disk, \$0.018/hr, 0.75GB memory	\$13.39	250MB, \$0.022/hr	\$16.37	\$29.76
Azure (Microsoft)	Singapore	88	1 core, 20 GB Disk, \$0.018/hr, 0.75GB memory	\$13.39	250MB, \$0.022/hr	\$16.37	\$29.76
GCP (Google Inc.)	Singapore	??	1 shared vCPU .6 GB memory 10 GB disk	\$4.28	0.6 GB memory, 10 GB disk	\$4.28	\$8.56

7 Collaboration Plan

Table 2: Collaboration plan

Tasks	Schedule	YOURCOMPANYATOZ	XYZ
Host dev-site and develop	ongoing basis	Y	
Build and release	every Thursday	Y	
Run Build Verification Tests (BVT)	every Sunday morning	Y	
Functional testing and reporting on JIRA	every Sunday morning	Y	Y
Full testing for QA check (Black box)	every alternate Sunday	Y	Y
Summary and discussion	every alternate Sunday	Y	Y
provide feedback on UI and functionality	as per need	Y	Y
use case testing	as per need	Y	Y
User data population (job, hr employer, candidates etc.)	as per need		Y

8 Project Schedule

Phase 1 will take a total of 6 weeks from the day of start. Calculated Man-month = $8.5/4 = 2.123$. Excluding front end development it will become Méthodologie

Table 3: Phase 1 Schedule

SL	Deliverable	Week					Man-week
		1	2	3	4	5	
1	Front end development*	-	-	-	-	-	2.5
2	Profile management	-	-	-			1.5
3	Account management			-	-	-	1.5
4	Search facility			-	-	-	2.0
5	Deployment and final release				-	-	1.0
Total duration		1.5	2.5	2.5	1.5	0.5	8.5

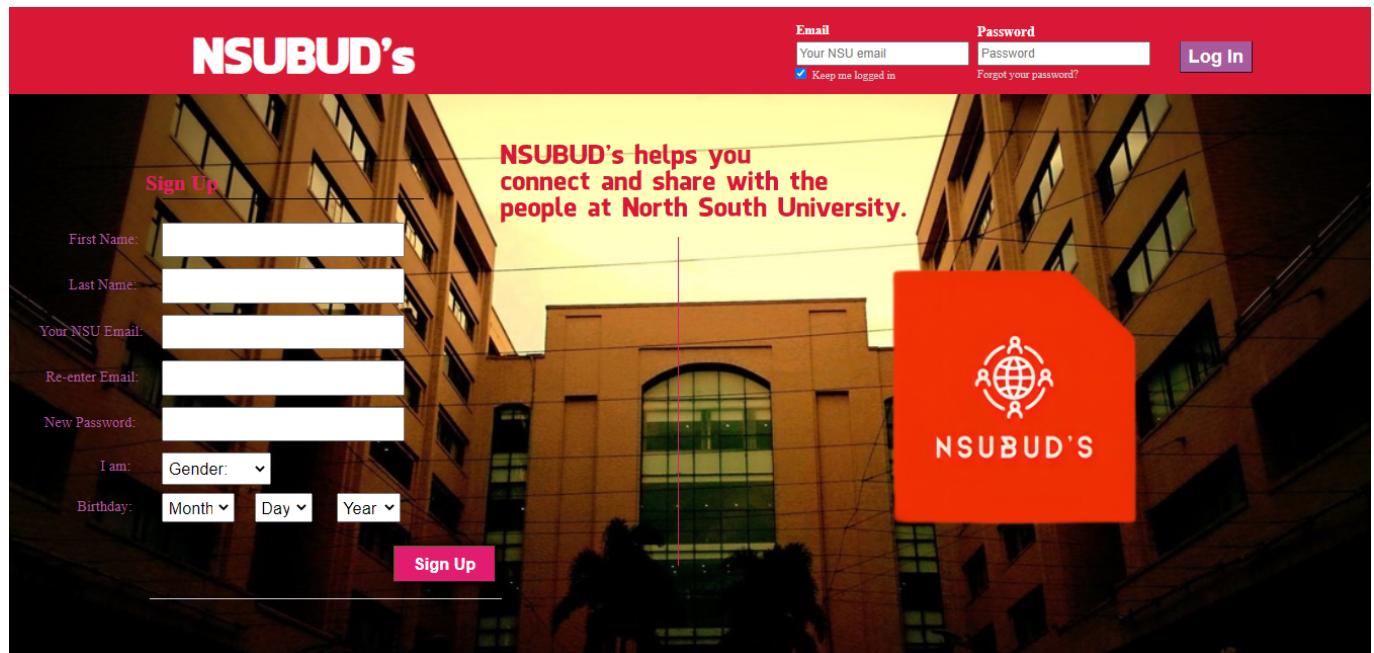
9 Budgetary Price

Excluding front end development (2.5 man-week) total time plan = 6 weeks. Following table shows NSUBUD'S expense. In addition, based on requirement as it reveals during project NSUBUD'S will help one choose the appropriate cloud hosting. That expense is not included here.

Table 4: Expense Breakup for Development

SL	Deliverable	Expense	Comment
1	UI design	XXXXX	
2	Front end development (HTML)	XXXXX	
3	back-end development	XXXXX	
4	Database design (MySQL)	XXXXX	
6	Setting up middleware	XXXXX	
7	UI integration (HTML clean up and optimization)	XXXXX	
	Total	XXXXX	

10 Screenshot Of Project



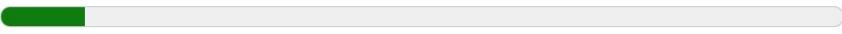
NSUBUD's

Step 1 Step 2 Step 3

Upload Your Profile Picture

 Test Test

No file chosen



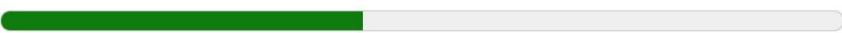
NSUBUD's

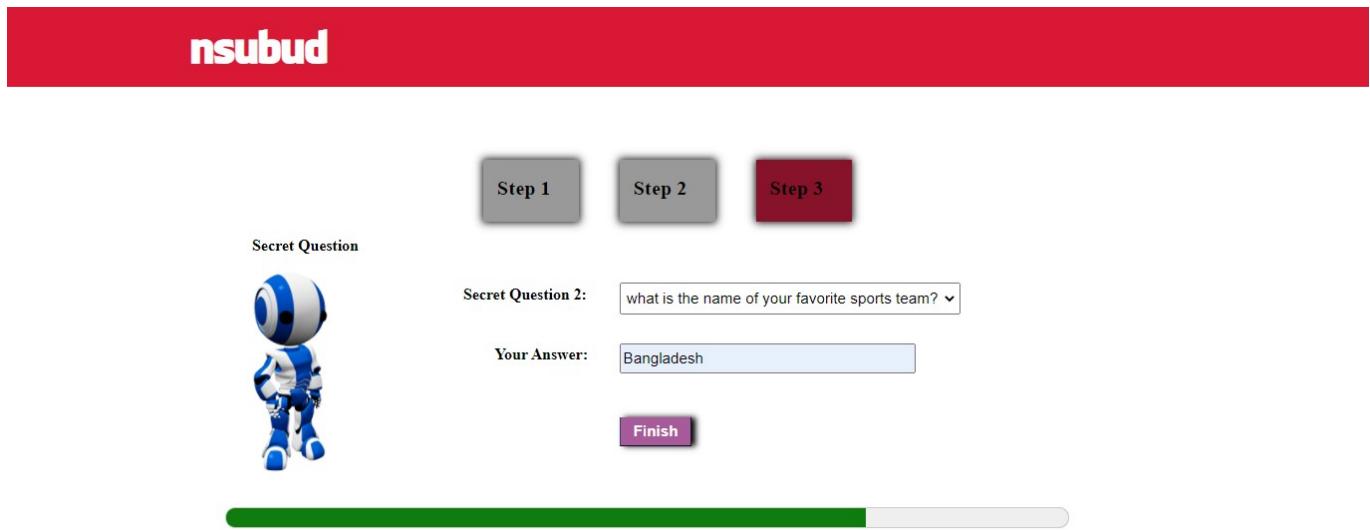
Step 1 Step 2 Step 3

Secret Question

 Secret Question 1:

Your Answer:





The screenshot shows a social media profile for 'NSUBUD's'. The left sidebar includes links for News Feed, Timeline, About, Photos, Group Chat, and Settings. The main area shows a post from 'Sabrina Sabina' asking for help with course details. The post includes a graphic for 'PHP Books' featuring several books. Below the post are 'Like', 'Comment(0)', and a timestamp '19-9-2021 22:28'. There are also 'inline(0)' and 'delete post' buttons.

Sabrina Sabina | Home |

Sabrina Sabina

Timeline About Photos 11

About

Basic Information

Birthday 29-8-2004
Gender Female
Current location Dhaka
Hometown Barishal

Photos

Update Status Add Photos

What's on your mind?

Public post

Sabrina Sabina

Can anyone help me with the course details of CSE311?

PHP Books

Like Comment(0) 19-9-2021 22:28

0 like this.

Write a comment...

The screenshot shows a user profile for 'Sabrina Sabina' on the NSUBUD's platform. At the top, there is a search bar and a navigation menu with links for 'Home' and 'Profile'. The main area features a large profile picture of a woman with dark hair and a smaller thumbnail image below it. Below the profile picture is the name 'Sabrina Sabina'. A navigation bar at the bottom includes 'Timeline', 'About', and 'Photos 11'. The 'About' section is expanded, showing two columns of information. The left column, titled 'Work and education', lists 'Software developer at google.com' and 'North south university'. The right column, titled 'Living', lists 'Dhaka' and 'Barishal'. The status bar indicates 'Online(0)'. The 'Basic Information' section contains fields for 'Birthday' (29-8-2004), 'Gender' (Female), 'Relationship' (Single), 'NSU ID' (191458042), 'Email' (sabrina.sabina@northsouth.edu), 'Website' (none), and 'Facebook ID' (<https://web.facebook.com/sabrina.sabina>).

The screenshot shows a user profile page for 'Sabrina Sabina'. At the top, there is a red header bar with the text 'NSUBUD's' on the left, a search bar 'Search for people' in the center, and account information 'Sabrina Sabina | Home |' and a gear icon on the right. On the left side, there is a sidebar with a profile picture and the name 'Sabrina Sabina', followed by a list of navigation links: News Feed, Timeline, About, Photos, Group Chat, and Settings. The main content area displays the user's name 'Name: Sabrina Sabina' with a pencil icon, a password field containing 'Paasword' with a pencil icon, and a link to 'Deactivate your account.'

The screenshot shows a chat interface for 'Sabrina Sabina'. At the top, there is a red header bar with the text 'NSUBUD's' on the left, a search bar 'Search for people' in the center, and account information 'Sabrina Sabina | Home |' and a gear icon on the right. On the left side, there is a sidebar with a profile picture and the name 'Sabrina Sabina', followed by a list of navigation links: News Feed, Timeline, About, Photos, Group Chat, and Settings. The main content area features a 'Chat' section with a green speech bubble icon. It includes a text input field with 'type' placeholder text and a 'Send' button. Below the input field, there is a message from 'Sabrina Sabina' saying 'hey' at 18-9-2021 3:0. A 'delete' link is visible next to the message. In the bottom right corner, there is a status indicator showing 'Online(0)'.

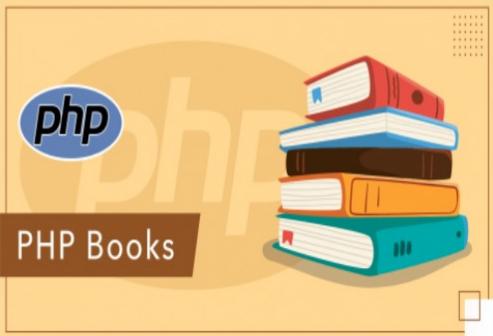
The screenshot shows the NSUBUD's website interface. At the top, there is a navigation bar with links for News Feed, Timeline, About, Photos, Group Chat, and Settings. On the right side of the top bar, there are icons for a profile picture (Sabrina Sabina), Home, and a gear (Settings). Below the top bar, there is a "Help" section with a "HELP" icon and a text input field labeled "Write your problem and send us". Below this, there is a "Account" dropdown menu and a "Help" button. In the main content area, there is a message from a user named Ayesha Rahman, which says "hi" and "hello". The message was posted on 18-9-2021 at 2:52. On the right side of the message, there is a status indicator showing "Online(0)".

The screenshot shows the NSUBUD's Admin login page. The page has a red header bar with the text "NSUBUD's Admin". Below the header, there is a large orange button with the NSUBUD's logo and the text "NSUBUD'S". To the right of the button, there is a login form with a blue border. The form has a title "Login" and two input fields: "Username" and "Password". Below the password field is a "Go back to NSUBUD's" button. To the right of the password field is a "Log In" button.

NSUBUD's Admin

All Public Post

Sabrina Sabina Can anyone help me with the course details of CSE311?



Like Comment(0) 19-9-2021 22:28 

News Feed Group Chat Help Notice Settings All Users

NSUBUD's Admin

Help

Ayesha Rahman reply

hi hello Account 18-9-2021 2:52 

Ayesha Rahman reply

hi

News Feed Account Settings Group Chat Notice Help Logout

NSUBUD's

Search for people

Admin

Admin

News Feed
Group Chat
Help
Notice
Settings
All Users

Notice



All Users

Write a notice..

Send Notice

1 online(1)



All Users(3)



Male(1)

User ID	Name	Fb join Date	Delete
26	Aporbo Ghosh	17-9-2021 2:30	delete User



Female(2)

User ID	Name	Fb join Date	Delete
28	Sabrina Sabina	17-9-2021 21:11	delete user
27	Ayesha Rahman	17-9-2021 2:57	delete user

NSUBUD's

Search for people

Admin

Admin

News Feed
Group Chat
Help
Notice
Settings
All Users



All Users(3)



Male(1)

User ID	Name	Fb join Date	Delete
26	Aporbo Ghosh	17-9-2021 2:30	delete User



Female(2)

User ID	Name	Fb join Date	Delete
28	Sabrina Sabina	17-9-2021 21:11	delete user
27	Ayesha Rahman	17-9-2021 2:57	delete user

1 online(1)

11 Conclusion

NSUBUDs is a technological site which deliver NSU a platform where only NSUer can get in and connect to each other. NSUBUDs gives NSUer's a way to create and deliver content,organise homepage and timeline,manage users. NSUBUDs also provide some tools where our users can be talk to each other and share their perspective on many posts. It will be great to use as NSU's own social networking site.

- NSUBUDs delivers NSUer's a platform where only they could be connected with each other.
- NSUBUDs gives various contents, manage users and monitor the site.
- It will help NSUer's to get together their own platform.

12 Appendix

Contact information

Contact Persons Name: Aporbo Ghosh, Sabrina Akter Sabina Ayesha Rahman

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