

# NORTH SOUTH UNIVERSITY

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## Project Proposal for – *NSU Discussion Forum*

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Submitted to

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## **Introduction:**

This is a proposal for developing the NSU Discussion Forum. The goal of this document is to provide a comprehensive overview of the NSU Discussion Forum. It will describe the system's purpose and characteristics, as well as the system's interfaces, what the system will do, the limitations that it must operate with, and how the system will react to external things. This document is intended for both the users and the developers of the system and will be proposed to '*Md. Naqib Imtiaz Hussain*' sir for its approval.

## **Background & Product context:**

As we all lack a common discussion for North South University, we want to develop a discussion forum where NSU students can post, comment or discuss anything on this site.

Unregistered students/faculties/staff can choose to register an account using their valid name, NSU email address and password. System checks the validity of the e-mail address and creates an account. If the user credentials are valid, then they can access the homepage. The email address entered is registered before. The actor gets prompted with an error message "This email exists already". The actor either chooses to use a valid email address or creates one first. The email address or password entered is/are incorrect. An error message pops up "Your email address or password is/are incorrect". The actor types in the correct information or chooses "forgot password" if he/she wants to.

After successful completion of login, users will be redirected to the Home Page. There users can see profile menu, discussion menu, contact, logout on the navbar. Users can see their information on the profile page. Users can also send any feedback to the administrator.

On the discussion page, users have to first select any category on which they want to discuss or comment about. Then on a particular category page, users can see past posts or comment on those topics. Users can again post, comment or discuss on any topic they want to. After completing work they can logout. Also it should be mentioned that without login or register, users can't access the homepage.

## **User Story:**

- **Use Case as User:** User can access homepage after successful register & login. Users can see their profile section with their information. On the discussion page, users have to first select any category on which they want to discuss or comment about. Then on a particular category page, users can see past posts or comment on those topics. Users can again post, comment or discuss on any topic they want to. Users also can send feedback to the administrator. After completing their work, users can log out from the website.
- **Use Case as Admin:** After login to the admin panel, admin can add any new user, update any user, delete any user. Admin can also edit any discussion, any comment. Admin can search for any particular user with a search bar & get the user's info.

## Use Case Diagram:



## Front End Plan:

- Register/ Login Page
- Homepage
- Profile Page
- Feedback Page
- Discussion - Select Category Page
- Discussion - Post & Comment Page
- Admin Dashboard

## **Back End Plan:**

- Signup/Login
- MySQL database
- Profile Page
- Discussion Page
- Post & Comment
- Admin login
- Admin user Edit/Delete
- Admin user search
- Admin edit post/comment

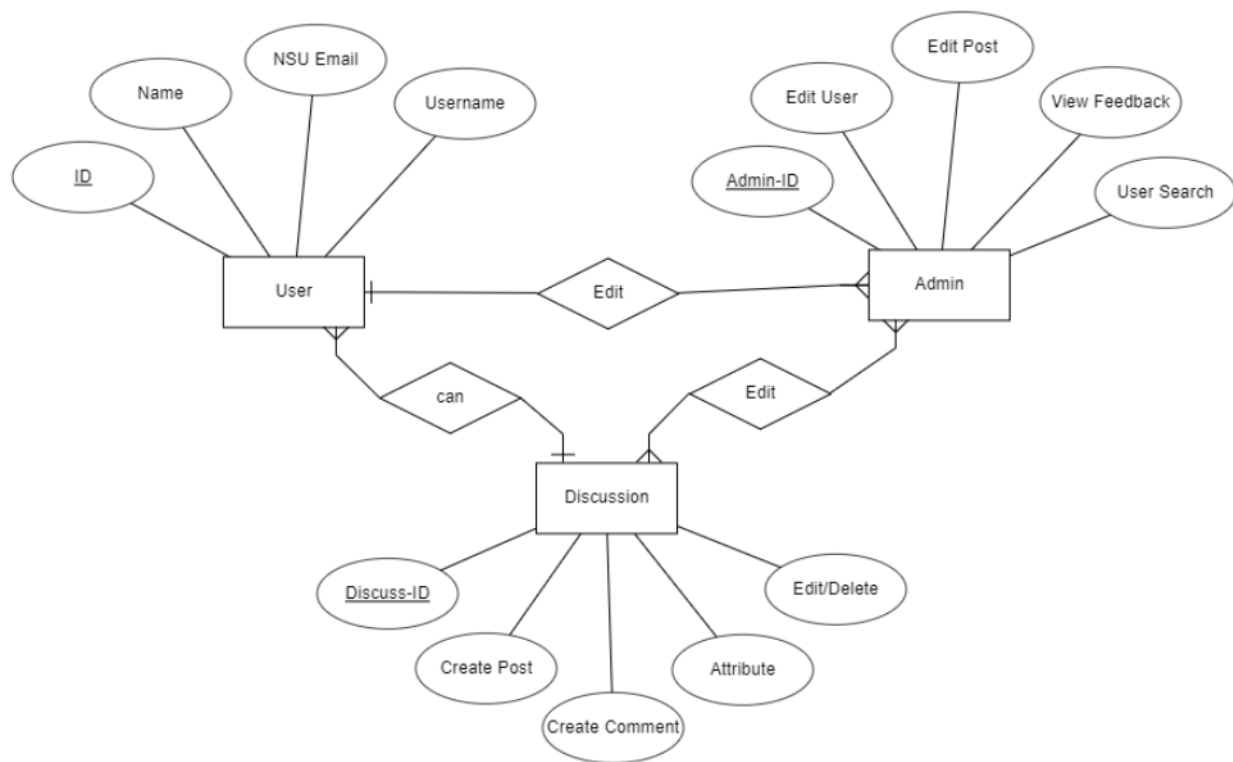
## **Features:**

1. Signup/Login only with NSU email.
2. User Profile.
3. Users can Post, Comment, Reply.
4. Send Feedback.
5. Admin Dashboard.
6. Admin can add, edit & delete users.
7. Admin can edit posts.
8. Admin can view feedback.
9. Admin can search any user & get info.

## **Software Quality Attributes:**

- The User interface of the system will be user friendly.
- Execution process must be fast and responsive.
- The software is a web-based application and is built in PHP and MySQL, so it's platform independent.
- The system will be secured and will respect the users privacy.
- All the data will be stored in a relational database.

## ER Diagram:



## Development Plan:

- **Phase-1:** We will implement a user view first where only users can login with NSU Email & Discuss about anything. User can view his profile with his given information. Users can send feedback to administrators about any issue. Users can also Post, Comment & Reply to the discussion page.
- **Phase-2:** We will implement Admin Dashboard in this phase. Admin can login, add users, update users and delete any user. Admin can also edit or delete any discussion. Lastly, Admin can view feedback. We will also optimize the performance of the website & make secured the site in this phase. Basic hosting choice will be governed by emphasis on performance and minimal latency.

## Hosting Plan:

We have a plan to host this website on ([www.00webhost.com](http://www.00webhost.com)) as this site gives us 1 Website free host, 300 MB Disk Space, Limited Bandwidth (3 GB), Free Cloudflare Protected Nameservers & MySQL Database.

## Collaboration Plan:

Tasks	Schedule
Host dev-site and develop	Ongoing Basis
Summary and discussion	Every Wednesday
Feedback on UI and functionality	Every Wednesday
Use Case testing	As per need

## Appendix:

- All the data will be stored in a relational database.
- User - Person who is listed in the University database.
- Software Requirements Specification - A document that completely describes all of the functions of a proposed system and the constraints under which it must operate.
- If time favors us, we are planning to turn the system into a complete web-based application.