



North South University

Department of ECE

**Project Report -
CSE 299 Summer'21**

Project Name : University Club Management System

Faculty: Shaikh Shawon Arefin Shimon

Section: 6

Group Members

Mohsin Kamal Chowdhury

ID: 1721309642

Raida Talukder

ID: 1821257642

Arkay Saha

ID: 1821564642

Introduction

The goal of this project is to make an easy and simple website for the purpose of University Club Management.

This will help students connect to student organizations. In this pandemic situation physical communication has become restricted so students are moving away from clubbing. But this website will help students to interact with each other & they will be able to share their ideas. Using this website students will be able to enroll in any club they prefer for clubbing which will allow them to learn new skills that they might not learn in a classroom, giving them more autonomy to manage time effectively, make practical decisions and coordinate notable events. This may also increase partnership between student clubs. It will make the clubs much more manageable.

Also, this project helps us to learn project management. It also helped us to implement ideas to develop our project.

Project Planning

We planned to build a web-platformed project which will consist of a laravel based web app.

The Core features of the platforms are:

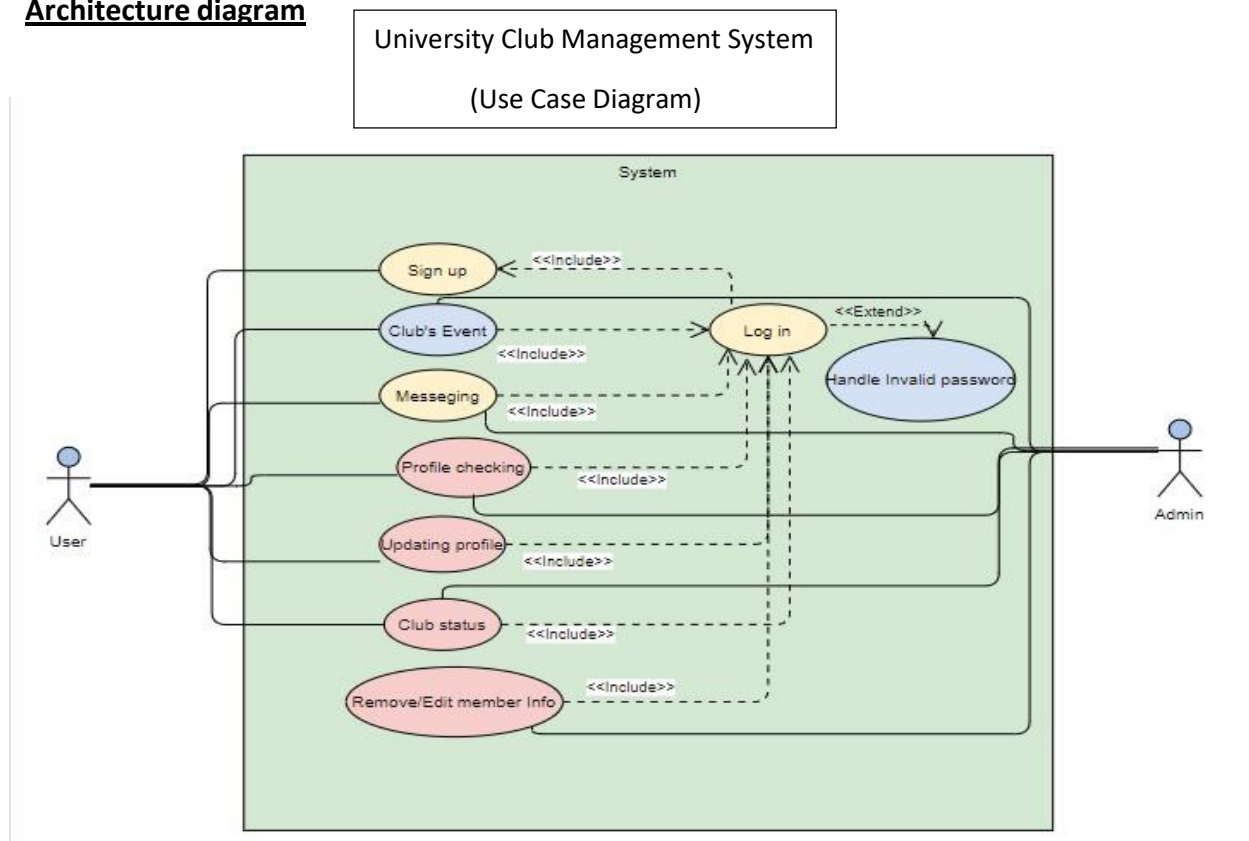
- 1) Registration Via Email with verification
- 2) Login with proper authentication
- 3) Adding Club member system
- 4) View all club's member's information
- 5) View member's profile
- 6) Edit member's information
- 7) Delete member's information
- 8) View particular club's member info
- 9) Can search particular member's info
- 10) Messaging system
- 11) View club president system
- 12) User log in
- 13) View user profile or info
- 14) Update user's info

Contribution:

Contributor	Platform	Description
Mohsin kamal	<ul style="list-style-type: none">Design	Designed UML diagram of the project.
	<ul style="list-style-type: none">Application	<ul style="list-style-type: none">Log in/ log out (admin)Showing incorrect password or email messageAdd member's system: frontend, backend, route, controller etc.Show all member's info: retrieve all member's data from database and showing it on data table.Member added notification.JavaScript: design search bar to show particular member or club's information.Image insert: take image and resize it to database.Password encryption: Password encrypted to MD5.Report WritingAdmin Dashboard DesignMessenger
Arko Saha	Application	<ul style="list-style-type: none">Member's profile layoutView, delete and edit operation route connectionView members profile(frontend)Edit profile(backend)Add Club President

		(frontend and backend) <ul style="list-style-type: none"> • View President profile • User's profile
Raida Talukdar	Application	<ul style="list-style-type: none"> • Project Proposal writing • Report Writing • Project Layout • Messenger layout • Database • View member's profile (backend) • Edit profile (frontend & backend) • Delete (backend) • User log in/log out

Architecture diagram



Database

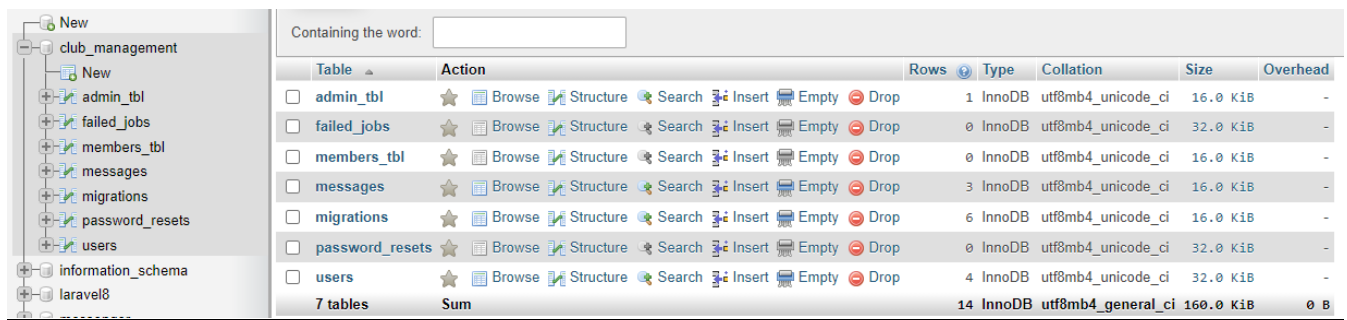


Table	Action	Rows	Type	Collation	Size	Overhead
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<input type="checkbox"/> failed_jobs	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> members_tbl	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> messages	★ Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> migrations	★ Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> password_resets	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> users	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
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Technologies

- Java
- HTML, CSS
- Bootstrap Template
- JavaScript
- PHP
- Laravel
- Database SQL

We have used Java programming language & PHP & JS for the backend web development JavaScript because it works perfectly with our front end and it makes the database connecting part easy and HTML, CSS, JS and bootstrap for the front end layout design and Laravel for framework. This is the basic setup we used. We used this for the ease of use and the proper documentation available on the internet.

Implementation

Library used

```
<?php
namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Http\Controllers\Controller;
use Illuminate\Support\Facades\Redirect;
use DB;
use Session;
session_start();
```

```
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\AdminController;
use App\Http\Controllers\AllmembersController;
use App\Http\Controllers\AddmembersController;
use App\Http\Controllers\NsuaacmController;
use App\Http\Controllers\NsupsController;
use App\Http\Controllers\NsuijeeController;
use App\Http\Controllers\NsusscController;
use App\Http\Controllers\profileController;
use App\Http\Controllers\club_president_profileController;
use App\Http\Controllers\AllPresidentController;
use App\Http\Controllers\messengerController;
use App\Http\Controllers\HomeController;
```

```
<?php
```

Database Connection

```
9
0 DB_CONNECTION=mysql
1 DB_HOST=127.0.0.1
2 DB_PORT=3306
3 DB_DATABASE=club_management
4 DB_USERNAME=root
5 DB_PASSWORD=
6
```

Challenges

There were many challenges faced while implementing the project. We worked together as a group and discussed the problems we were facing and implemented the best possible solution for the problem faced. As software development was new to all of us. We had to learn everything from start to the end like learning the proper steps to connect to the same database and implementing the same variables so the process works in the platforms.

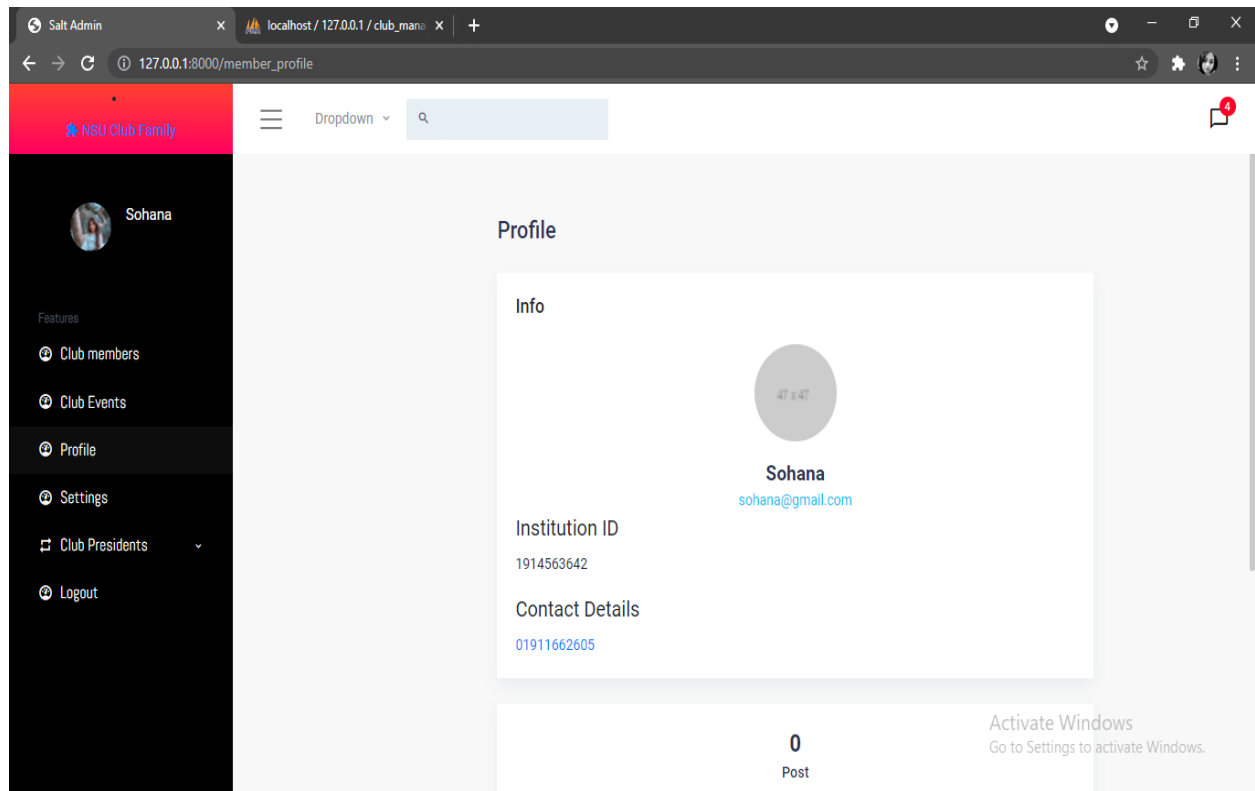
Web Presentation

Admin Login:

The screenshot displays the Salt Admin web application interface. The top navigation bar includes a search bar and a dropdown menu. The left sidebar shows the 'Admin dashboard' and a list of features: 'All members', 'Add members' (marked as 'New'), 'Members Info', 'Clubs', and 'Club President'. The main content area is titled 'Data table' and contains a table with 3 entries. The table has columns for ID, Name, Phone, Image, Address, Club, and Action. The entries are for Sabiha Islam, Arian, and Sohana. Each entry has 'View', 'Edit', and 'Delete' buttons. The bottom of the page shows 'Showing 1 to 3 of 3 entries' and a pagination control with 'Previous', '1', and 'Next' buttons. An 'Activate Windows' watermark is visible in the bottom right corner.

ID	Name	Phone	Image	Address	Club	Action
1821147642	Sabiha Islam	01673452985		Kuril, Dhaka	NSU ACM	View Edit Delete
1831264642	Arian	01777552523		Bashundhara R/A	NSU IEEE	View Edit Delete
1914563642	Sohana	01911662605		Mirpur 1, Dhaka	NSU SSC	View Edit Delete

Member Login:



Conclusion

This project has been a good learning experience for us. We got to learn so many new technologies. Worked as a team to complete our tasks and finish the project on time. But there were some features that we couldn't implement like the Facebook login and the get post from club also the messenger. The messaging feature was really hard to implement. We tried our best to implement this feature but we were unable to do so. As a team effort we would say we have completed about 90 percent of the features that were supposed to be implemented.

We have big plans for the future of this project. We will try to implement the Facebook feature as quickly as possible and fix the messaging feature.

This project will surely help the university students as much as it helped us. Being a part of a club helps experience in leadership. Hopefully this project will be acceptable by all the students and they will enjoy its advantages.