

ALUMNI SOCIAL AND JOB PORTAL

BY

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

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DAFFODIL INTERNATIONAL UNIVERSITY

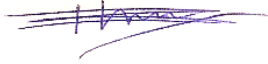
DHAKA, BANGLADESH

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APPROVAL

This Project titled “**ALUMNI SOCIAL AND JOB PORTAL**”, submitted by Md Abdur Rakib ID: 182-15-11526 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 28 January 2023.

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DECLARATION

We hereby declare that this project has been done by us under the supervision of **Nishat Sultana, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree.

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Abstract

Socialite is a web application for Daffodilians''. Students need a helpful community platform where they can get their all the necessary documents and information. Generally, students get their academic educational information in different online platforms. They have to browse so many different websites for different purposes and also, they can't connect with their seniors. Because they don't have any alumni information website. In our project students will get the alumni and community features both in one platform. At first, we designed our project and then we start implementation. The purpose of our project is to build a connectivity between students and faculty members to reduce the manual work for conveying any information regarding the university. Students can post to share something, students can able to communicate each other with message and they can also make groups. On the other hand, students can easily find and communicate with Alumni people by the Alumni section[5]. So, we build an online community platform where they will get both opportunities to gather all information in one platform. This is very helpful for students.

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Chapter 1

Introduction

1.1 Introduction

The “Socialite” is a web application. We develop it only for our university. It is actually a digital community platform for our university. No formal information is required for the client to utilize this framework. It is exceptionally user-friendly application. The application decreased as much as conceivable to dodge mistakes whereas entering the information. It too gives blunder message whereas somebody entering invalid information. By using this application our students will be easily find and connected to each other[1]. We have two sections in this project. One is “Community Side” and another is “Alumni Side”.

Community Side: Alumni can make their claim profile together with all the subtle elements by sign up. All clients got to log in to go the profile they have been made. This web-application gives partitioned get to for distinctive areas. Client can post counting, photo and any other kind of record. Client can message each other in case they need. Client can moreover comment with regard to the post. Client will get notice in the event that anybody comment his post. There will be bunch office which can be made by client. Each client can see his/her possess group’s post as well as other groups’ post on the off chance that consent is given

Alumni Side: Alumni can make profiles by enlisting in this web application. Students will discover their seniors who are doing great work presently. Upgrade connections between seniors and youngsters. The client can able to rub each other. In this web, the application designer may be a part of creating the application. Each engineer includes authorization to get to all information of the database of this framework conjointly an authorization for make, alter, erase, upgrade, and numerous other highlights for improvement of security and future updates.

1.2 Project Motivation

Our student connected each other with so many different online platforms. We will bring all of the Daffodilian in one online platform. With this application students can create a profile and share their class materials with their classmates and others. They do not have to go another different public application for communication between them. In here students also will find our university's graduate's students in our Alumni section. Where they can easily contact with their seniors and get information or help from them. It is very big advantage for our students. This application will help students to Important of making strong connection in the Daffodilian community. This web application will enhance the relationships between students and teachers. Help Daffodilian to find out their alumni and seniors. Increase retention and improve support

1.3 Benefits of the Project

As this system is created mainly for easy communication for the couples. Here is the ten potential benefits of the Socialite:

Better communication: The system allows alumni to communicate and share information with each other in real-time, which can improve communication and understanding within the relationship.

Improved quality of life: By helping each other stay organized, communicate effectively, and manage their relation more efficiently, the Socialite has the potential to significantly improve the overall quality of life who use it.

Customizable features: The system allows alumni to customize various features and settings to meet their specific needs and preferences.

User-friendly interface: The Socialite has a user-friendly interface that is easy to navigate and use.

Secure and private: The system uses secure and private data storage and communication methods to protect the privacy of its users.

Accessible from any device: The Socialite is web-based and can be accessed from any device with an internet connection.

Scalable and adaptable: The system is scalable and can be easily adapted to meet the changing needs and preferences of couples over time.

1.4 Methodology

This project is containing following methodology

- Defining the goals and objectives of the project, identifying the target users and their needs, and creating a project plan.
- Spotting the trouble and obstacle.
- Demand review of the new system.
- Design a prototype of the project and implement it in the system.

1.5 Summary

After all of this we discussed about our project theme, idea, goals in this chapter. After this we will discuss about how we will complete our work in this project. What will be the future outcome? Which obstacle came out when we created this project and many more on this whole project.

Chapter 2

Background

2.1 Preliminaries

In this Socialite project we used a lot of software application. For example- we use Sublime text for PHP, JavaScript which use in backend code. By Firefox Developer we find error from JavaScript, Laravel and any design. Postman is another software application which check that data store correctly in database or data can communicate correctly with system etc. in database. By using WAMP, we can use our server normally. Adobe XD software was used for implementation the design in primary stage such as user interface, user experience design etc. Apart from all of this application, we used some application too so that our system could look attractive as well as user-friendly to the general users[6][8][9][10][11][12]

2.2 Related Works

"There are a number of existing platforms that provide similar functionality to Socialite, including Facebook, LinkedIn, and Eventbrite[7].

Facebook is a social networking platform that allows users to create posts, join groups, and create events. However, it is not specifically geared towards university students and does not have features specifically for job postings or fundraising[13][14].

LinkedIn is a professional networking platform that allows users to create profiles and connect with other professionals. It also has a job search feature and a company page feature, but it does not have a specific focus on university students or fundraising.

Eventbrite is a platform for creating and promoting events. It has features for ticket sales and event management, but it does not have features for job postings or fundraising.

Socialite differs from these platforms in that it is specifically designed for university students and includes features for job postings, fundraising, and event creation in addition to traditional social networking functionality."

2.3 Comparative Studies

"In this section, we will compare Socialite to existing platforms that provide similar functionality:

- Facebook is a social networking platform that allows users to create posts, join groups, and create events. However, it does not have features specifically for university students, such as job postings and fundraising.
- LinkedIn is a professional networking platform that allows users to create profiles and connect with other professionals. It has a job search feature and a company page feature, but it is not specifically designed for university students and does not have a focus on fundraising.
- Eventbrite is a platform for creating and promoting events, but it does not have features for job postings or fundraising.

In comparison, Socialite:

Is specifically designed for university students and includes features for job postings, fundraising, and event creation in addition to traditional social networking functionality.

Places a strong emphasis on user privacy.

Overall, Socialite offers a unique combination of features that sets it apart from other platforms and caters specifically to the needs of university students."

2.4 Scope of the Problem Solution

The scope of Socialite is to provide a platform for university students to connect with each other and access resources such as job opportunities and fundraising efforts. It aims to address the challenges that university students face in finding employment and organizing events or campaigns.

Socialite allows students to create profiles, make connections, and create posts, events, and fundraisers. It also provides a searchable database of job opportunities specifically for university students.

By offering these resources in a single platform, Socialite aims to make it easier for university students to navigate their professional and personal lives during their time at school. It also aims to create a sense of community among university students by providing a space for them to connect and collaborate with each other[3].

2.4.1 Scope of the problem

There are a number of challenges that university students face when it comes to finding employment and organizing events or campaigns. These challenges can be difficult to navigate, especially for students who are new to the university environment or who do not have access to a strong network of connections.

One major challenge is the lack of centralized resources for finding job opportunities or promoting events or fundraisers. Students may have to search through multiple websites or rely on word-of-mouth to find out about opportunities, which can be time-consuming and unreliable.

Additionally, there is often a lack of community and support among university students, which can make it difficult for them to connect with each other and collaborate on projects or initiatives.

The scope of the problem that Socialite aims to solve is to provide a single platform for university students to access job opportunities, create and promote events and fundraisers, and connect with each other. By offering these resources in a centralized location, Socialite aims to make it easier for university students to navigate their professional and personal lives during their time at school.

2.4.2 Solution

Socialite aims to provide a number of solutions to the challenges faced by university students in finding employment and organizing events or campaigns.

One solution is to provide a searchable database of job opportunities specifically for university students. This allows students to easily browse and apply for positions that are relevant to their education and career goals.

Another solution is to provide a platform for students to create and promote events and fundraisers. This gives students the tools and visibility they need to organize and execute their own projects, whether for personal or professional development.

Finally, Socialite aims to create a sense of community among university students by providing a space for them to connect and collaborate with each other. This can be especially helpful for students who are new to the university environment and may not have a strong network of connections.

Overall, Socialite offers a suite of tools and resources to help university students succeed in their studies and prepare for their future careers.

2.5 Challenges

User adoption: One challenge could be getting enough users to adopt the platform and make it a valuable resource. This may require marketing efforts and building partnerships with universities or student organizations.

Data privacy: Ensuring the privacy and security of user data is important, especially for a platform that caters to university students. Implementing proper safeguards and following relevant regulations will be key.

Feature development: Determining which features to include in the platform and prioritizing their development can be a challenge. It will be important to gather feedback from users and continuously iterate on the product to ensure it meets their needs.

User engagement: Maintaining user engagement and keeping the platform active will be important for its success. This may involve implementing features or activities that encourage users to return to the platform regularly.

Funding: As with any project, securing sufficient funding to support development and operations may be a challenge. This may involve seeking grants, investments, or other sources of funding.

3.2 Requirement Collection and Analysis:

This is a crucial step in gathering requirements and incorporating them into the analysis. We will now outline some of the requirements listed below for the creation of this application.

3.2.1 Hardware Requirement

Table 3.1 Hardware Requirement

Sl	Components	Minimum
1	CPU	Intel Core i5 10 th Generation
2	Ram	8GB DDR4 2400 MHz
3	SSD	Samsung 256 GB
4	Lan Card	TP-Link Gigabit Lan Card

3.2.2 Software Prerequisites

In Socialite web app, we utilize a few of innovation to advance. Those are:

- Chrome, Firefox Developer, Postman and etc.
- Xampp Server for Apache, MySQL and PhpMyAdmin
- Sublime and Visual Studio Code
- PHP 8.2
- HTML, CSS and JavaScript
- jQuery
- Tailwind
- Figma

3.3 Use Case Modeling and Description

A use case is a written description of how clients will complete tasks on your website. It traces a system's activities from the perspective of any user since it responds to an inquiry. Each use case is modeled as a series of simple actions that begin with the user's goal and end when that goal is met.

3.3.1 Use Case

A few additional young software systems/programming require the use of a use case graph. The use case chart explains the general rationale, but not the actual approach to get it started or the basic (how) plan to follow[3].

Cases can be used to express both printed and visual representations (such as UML) in the future. One of the most important rules of use case modeling is that it allows us to plan the venture criteria.

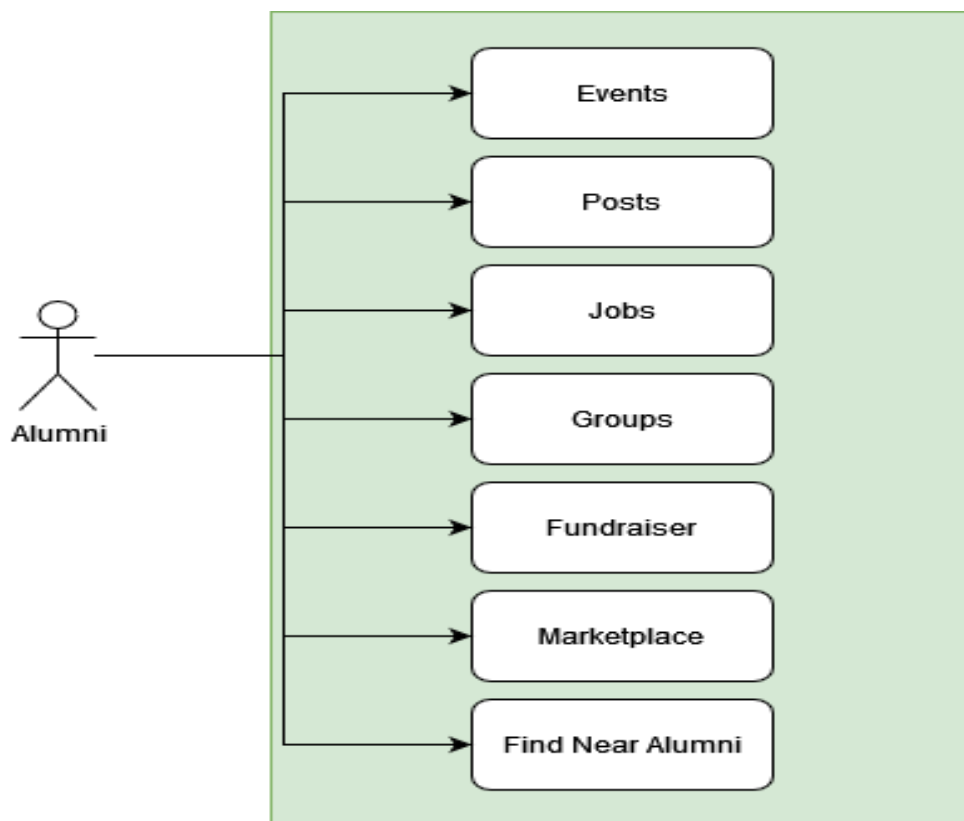


Figure 3.2: Use Case Diagram is a visual representation of interactions between users and a system to model and identify specific goals, or "use cases", for an alumni management system.

3.3.2 DFD diagram

A data flow diagram, often known as a DFD, is a project cycle management tool that is used to explain more complex processes to people who aren't familiar with them.

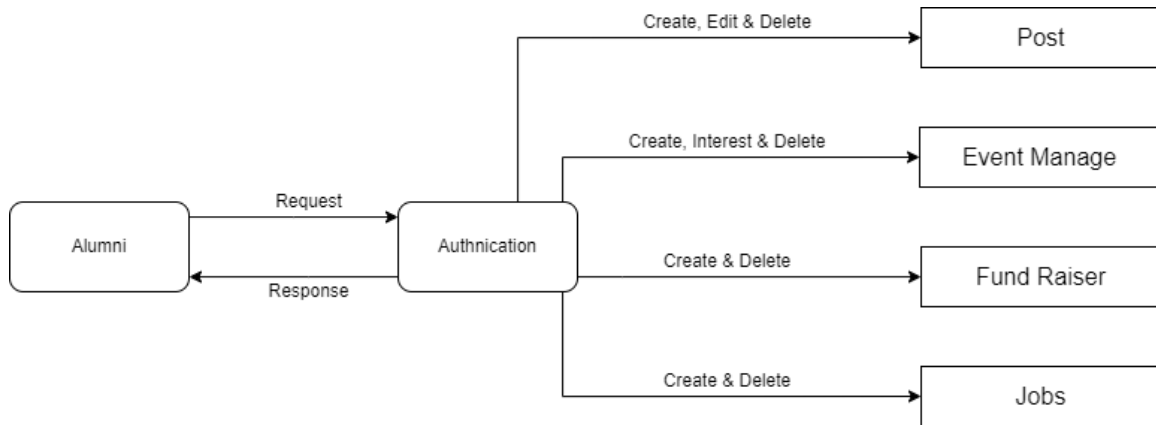


Figure 3.3: DFD diagram models data flow in an alumni management system.

3.4 Logical Data Model

The flowchart includes this diagram. This document explains in detail how the user and the reader must be connected. The usage of these photos to build relationship diagrams in software engineering, computer engineering, business, and education thesis is one of the most common uses of these images.

As well as research This diagram can be used to easily describe this field. In just a few minutes, users will be able to grasp the entire system. The DB design model is another name for it. With the sign, they can create a collection of tables, attribute names, and connecting lines. We can now observe this process in detail and understand how we described the entire application in the database design. We've also included a schematic of the application below[4].

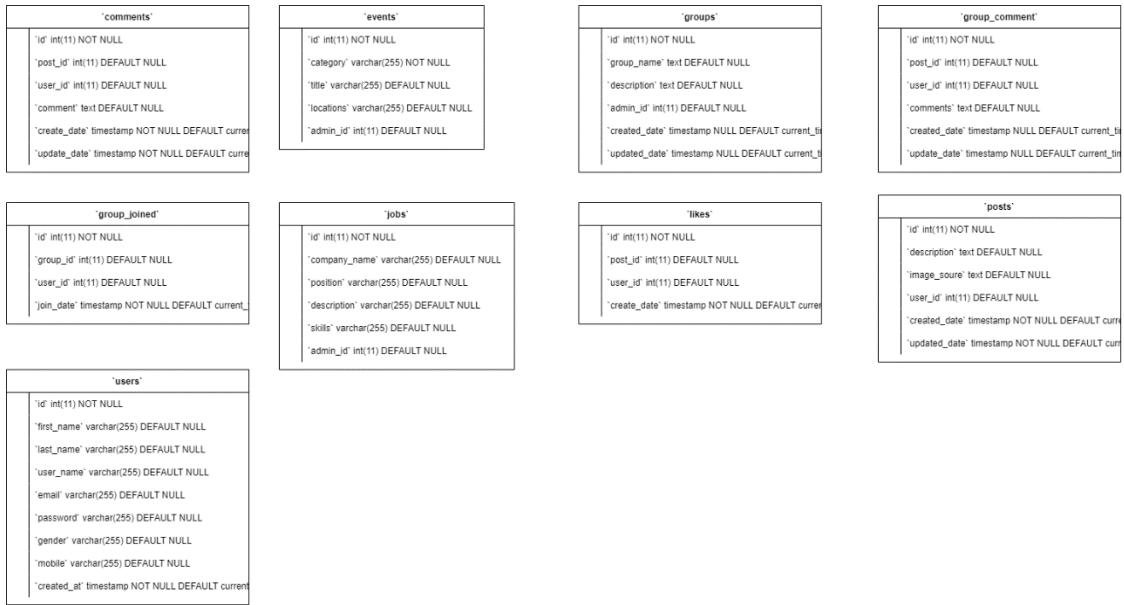


Figure 3.4: Structured database design for efficient storage and retrieval of alumni data.

3.5 Design Requirement

The design requirements for our project will differ from those of anyone else, because yours will apply to your specific problem statement and the product, system, or experience that you are designing. In the table are a few examples of design requirements. Your requirements will be more specific and directly related to meeting the needs of your project's users.

- Functionality or feature set.
- Type of user interface.
- Customizability.
- Page Speed.
- Responsive.
- Type of Error Handling.
- Programming language written in PHP and JavaScript.
- Portability.
- Ability to modify to work.

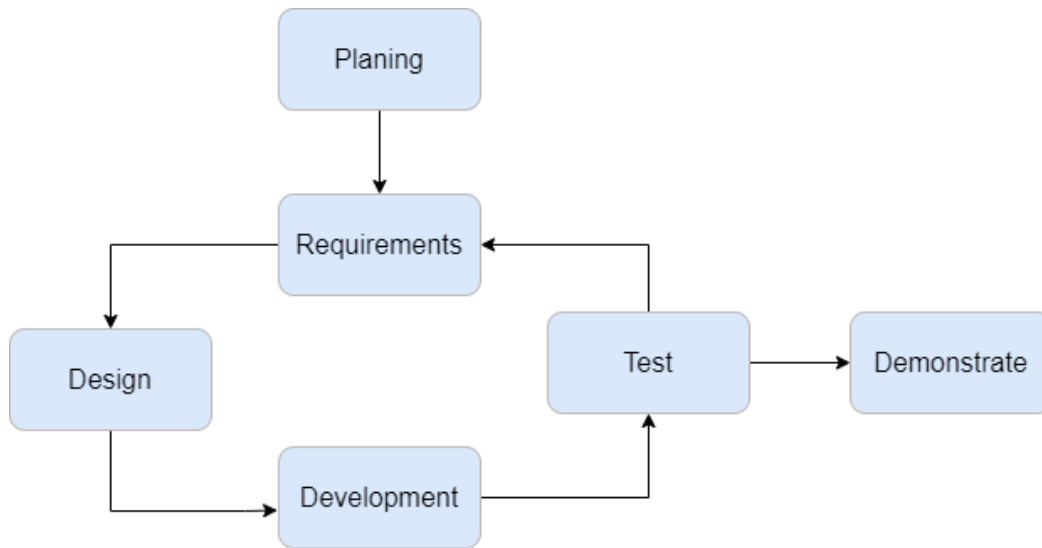


Figure 3.5: Design requirements specify the functional and non-functional aspects of a system that must be met in order to achieve the desired outcome.

Chapter 4

Design Specification

4.1 Front-end Design

We have endeavored to establish a user-friendly design for users in our Socialite projects. We designed the systems in such a way that users will have no problem utilizing them.

Now we've attempted to create a table that provides an overview of the system:

Table 4.1 Activity

Activity Name
Authentication with Mobile
Web App layout
Role wise button and links
User and Admin Login and register
Dashboard design with job post, fundraiser, event creation and group management system
Billing list with search option
Post Manage with time & date
Delete person and add person
User search
Appointment date, time slot and address
User Appointment and manage
Person management
Appointment management
admin management
Fund management
Profile manages
Login details

4.2 Back-end Design

The back-end of Socialite is responsible for managing the data and logic that powers the platform. This includes tasks such as storing user data, processing requests from the front-end, and performing actions such as creating posts or sending notifications.

To accomplish these tasks, the back-end design may include the following components:

Database: The database stores all of the data used by Socialite, such as user profiles, job postings, and event information. It may use a structured query language (SQL) to manage the data and enable fast and reliable access.

Application server: The application server receives requests from the front-end and processes them by interacting with the database and other back-end services.

Background workers: Background workers are processes that run in the background to perform tasks that do not need to be done in real-time. For example, Socialite admin have a background worker that sends out daily notifications to users or that updates the job posting database from external sources.

4.3 Interaction Design and UX

User profiles: Students can create a personal profile that includes information such as their name, major, year in school, and a profile picture. They can also specify their interests and career goals to help connect with other students with similar interests.

Job postings: Socialite provides a searchable database of job opportunities specifically for university students. Students can browse and apply for positions that are relevant to their education and career goals.

Fundraising: Students can create fundraising campaigns on Socialite to raise money for causes or projects that they are passionate about. Other students can contribute to these campaigns and track their progress.

Event creation: Socialite provides tools for students to create and promote events, such as workshops, conferences, or social gatherings. Students can specify details such as the date, location, and ticket price for their event, and other students can attend.

Social networking: Students can create posts on Socialite to share updates, ideas, or content with their connections. They can also join groups or participate in discussions with other students.

Privacy controls: Socialite allows students to control their privacy settings and protect their personal information. They can specify who can see their profile and content, and they can block or report users who violate the platform's terms of service. meets to them as soon as possible to achieve their goal.

Chapter 5

Implementation and Testing

5.1 Implementation of Database

In this application, we used DBMS or (MySQL). MySQL is a database that allows web browsers to connect to servers. These are the Online Marriage Registration and Information System Application's database tables. This is an excellent option for the most effective Socialite. We've proven it in the video below. Below is a list of examples.

5.2 Implementation of Front-end Design

5.2.1 Front-end Design of User

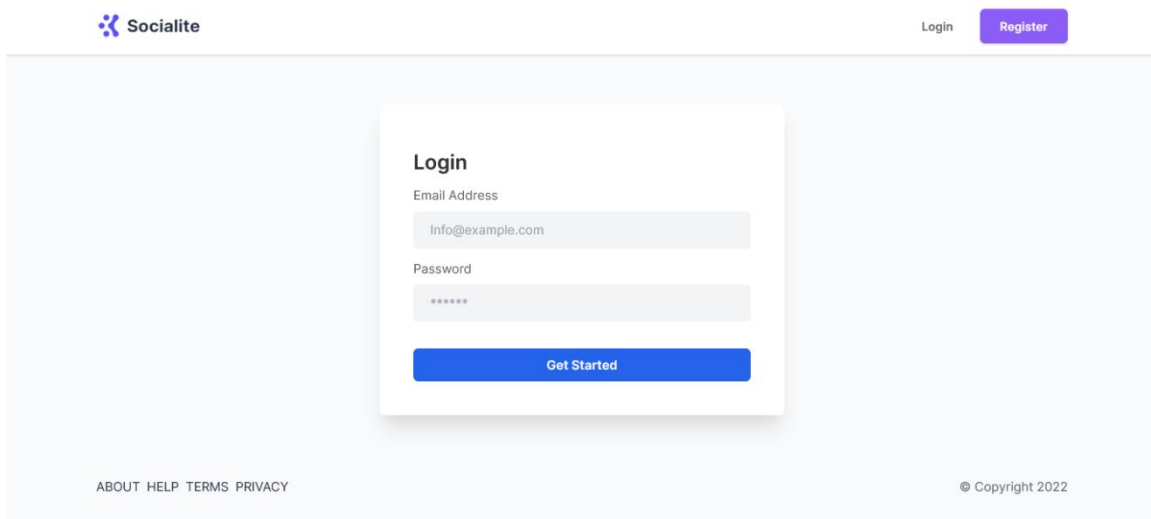


Figure 5.1: Creating a login feature for an alumni management system to allow registered alumni to access exclusive features and information.

Registration form with the following fields:

- Username:** [Input field]
- Email Address:** Info@example.com
- Password:** [Input field with masked characters]
- Picture:** [Browse... No file selected.]
- Gender:** Male (dropdown menu)
- Phone: optional:** +543 5445 0543
- I agree to the Terms and Conditions
- Register** (button)

Footer: ABOUT HELP TERMS PRIVACY | © Copyright 2022

Figure 5.2: Creating a registration feature for an alumni management system to allow alumni to create an account and provide their personal information.

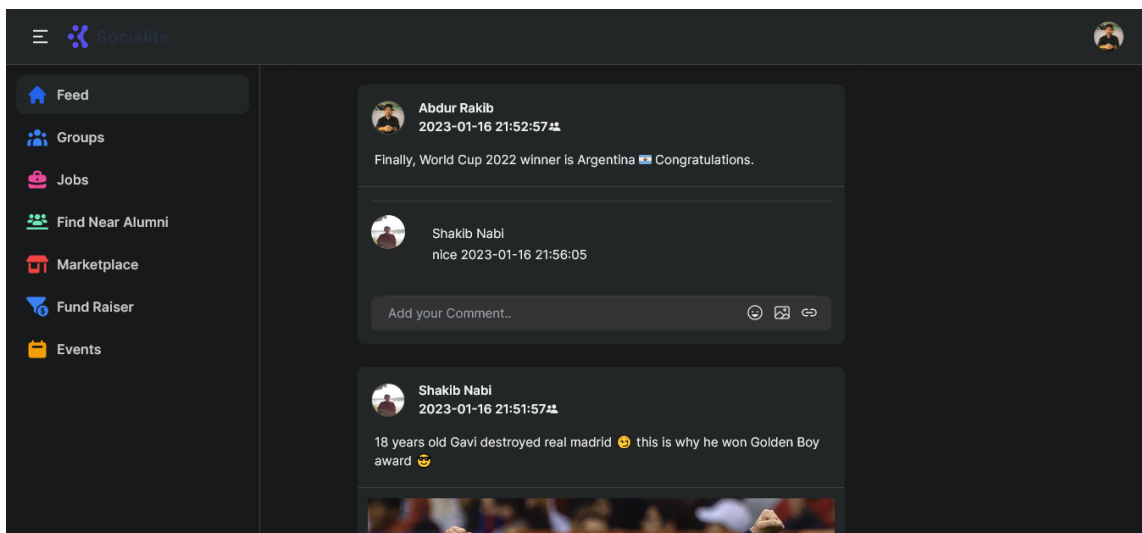


Figure 5.3: A feature that displays recent updates and information for alumni in chronological order.

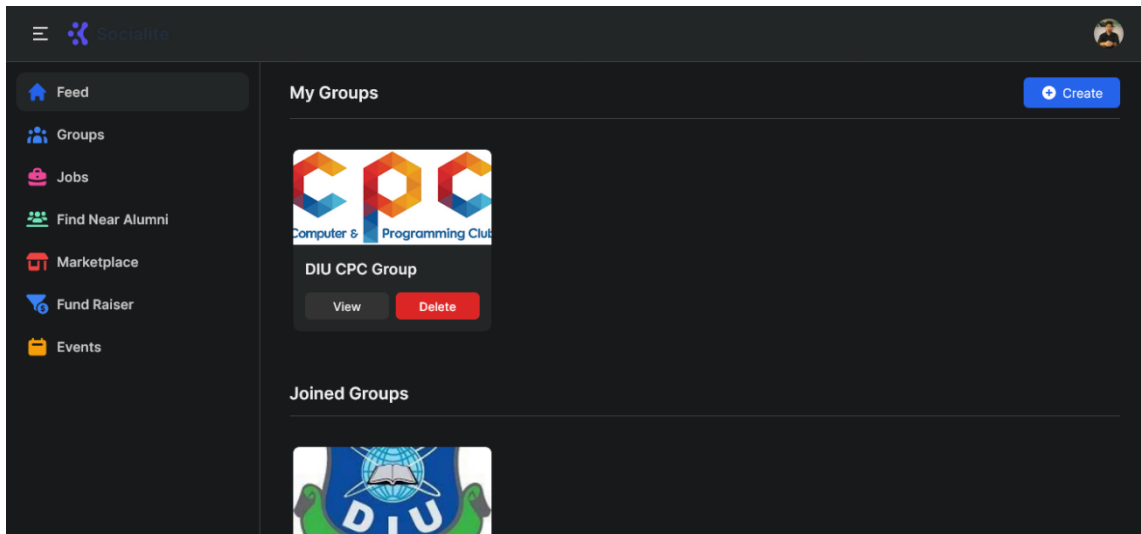


Figure 5.4: A feature that allows alumni to create and manage groups, invite members, and communicate with each other.

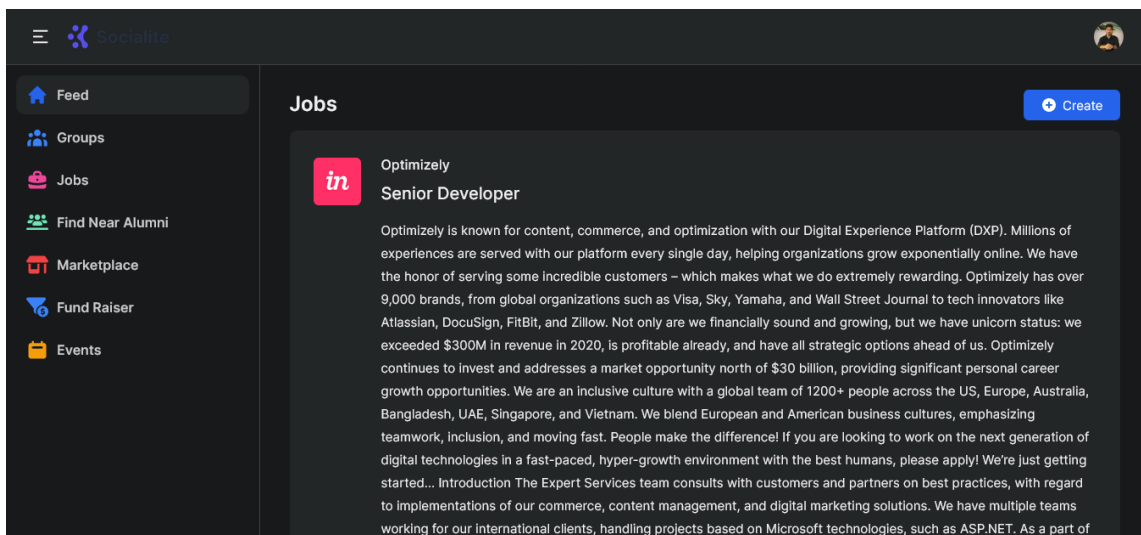


Figure 5.5: A feature that lists available job opportunities and allows alumni to apply or search for jobs.

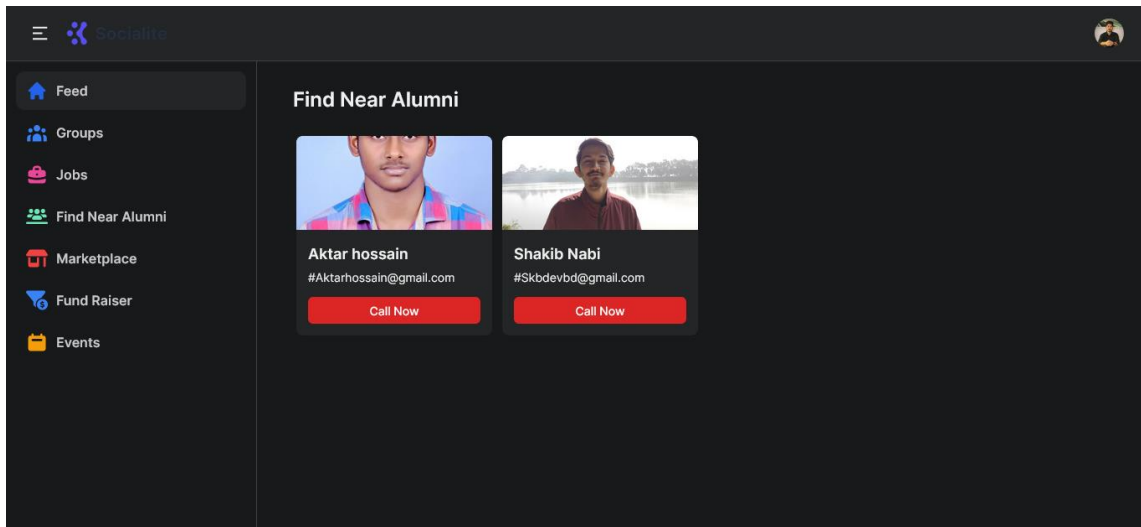


Figure 5.6: A feature that allows alumni to search and find other alumni based on their location.

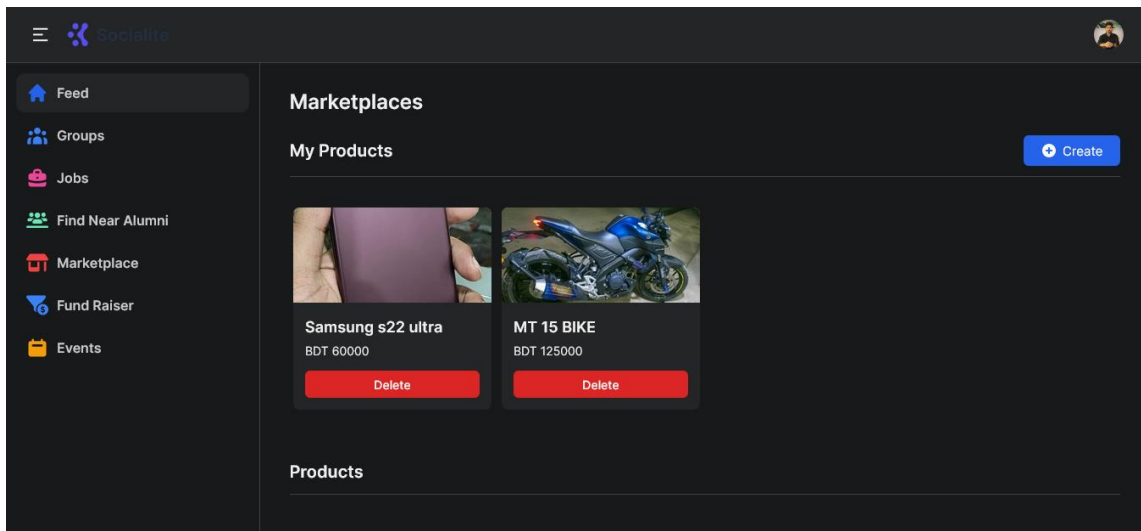


Figure 5.7: A feature that allows alumni to buy and sell products and services among themselves.

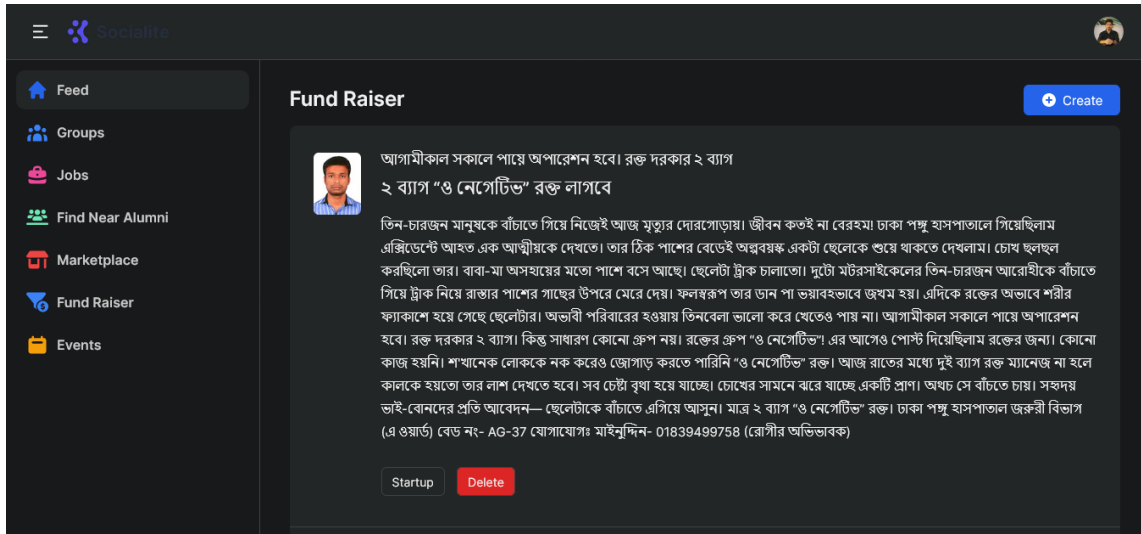


Figure 5.8: A feature that allows alumni to create and manage fundraising campaigns for various causes.

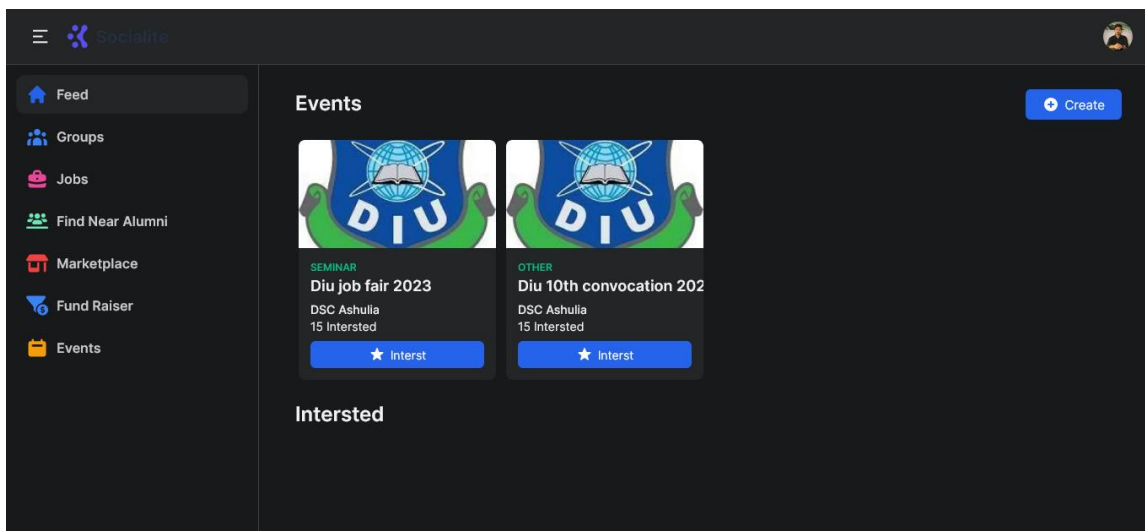


Figure 5.9: A feature that allows alumni to create and manage events, invite members, and communicate with each other.

5.3 Implementation of interactions

In this section, I can understand how it works. How and how easily the user will pick it up.

5.4 Testing implementation

When I created this application, we contacted some clients around to us to find out some of their problems. And I've tried to focus on those problems. Then I worked in

collaboration with some E-commerce web application. I have received positive results for this application.

5.5 Test result and reports

Outcome of the testing is shown in table below:

Table 5.1 Test Data

Test Suite Id	Result_01
Test Case Id	Result_001
Test Case Summary	To verify the posting in the news feed with image
Requirements	Image with text, only text and only image
Prerequisites	Login Required, Post must be text or image
Test Procedure	Upload file image, max character test
Test Data	Test_1, Test_2, Test_3, Test_4

Test Data	Expected Output	Actual Output
Test_1	Random Text	Text
Test_2	Random Image	Image
Test_3	Random Text & Image	Text & Image
Test_4	Blank	Error

Status	3 Pass, 1 Fail (Overall Pass)
Remarks	Cannot efficiently process random text.
Created By	Abdur Rakib
Date of creation	04-01-2023
Execute By	James Gomez
Date of Execution	05-01-2023
Test Environment	Windows 10

Chapter 6

Conclusion and Future Scope

6.1 Conclusion

This project is one of the dream works. I worked, discussed together, research together and finally I'm able to build this system completely. Thanks to Almighty Allah first of all, and dedication of me. I can make this project successful in time. I started our work on this project one year ago and we successfully make it in this year. And I can confidently say that my project can help many people all over my country. Lot of people inspire us on this project. I thank to all of them. Specially my friends, families, teachers, relatives etc. I desire one day my project will go worldwide and all over the world people will appreciate us and also, I able to make new project for future for betterment of my world and people.

6.2 Scope for Further Development

The scope for further development of the Socialite would refer to the potential areas in which the system could be improved or enhanced in the future. I will include the addition of new features or functionality, improvements to the system's user interface or design, or the implementation of new technologies or tools to enhance the system's performance and effectiveness.

Some potential areas for further development of the Socialite might include:

Adding new features and functionality: The system will be expanded to include additional features and functionality that would be useful for couples looking to manage and organize various aspects of their married life. For example, the system enhanced to include tools for managing household chores, coordinating childcare, or tracking health and wellness goals.

Improving the user interface and design: The system's user interface and design I will improve to make it even more intuitive and easy to use. This might involve redesigning the

layout and appearance of the system, or adding new features such as personalized dashboard views or customizable notifications.

Integrating with other tools and platforms: The system could be enhanced by integrating with other tools and platforms that alumni might use, such as event or jobs management apps. This would allow alumni to more easily manage various aspects of their personal life, cohesive platform.

Implementing new technologies: The system could be improved by incorporating new technologies or tools that enhance its performance and functionality. For example, the system might be enhanced by incorporating artificial intelligence or machine learning algorithms to provide personalized recommendations or insights to couples based on their data and usage patterns.

Reference

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