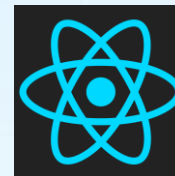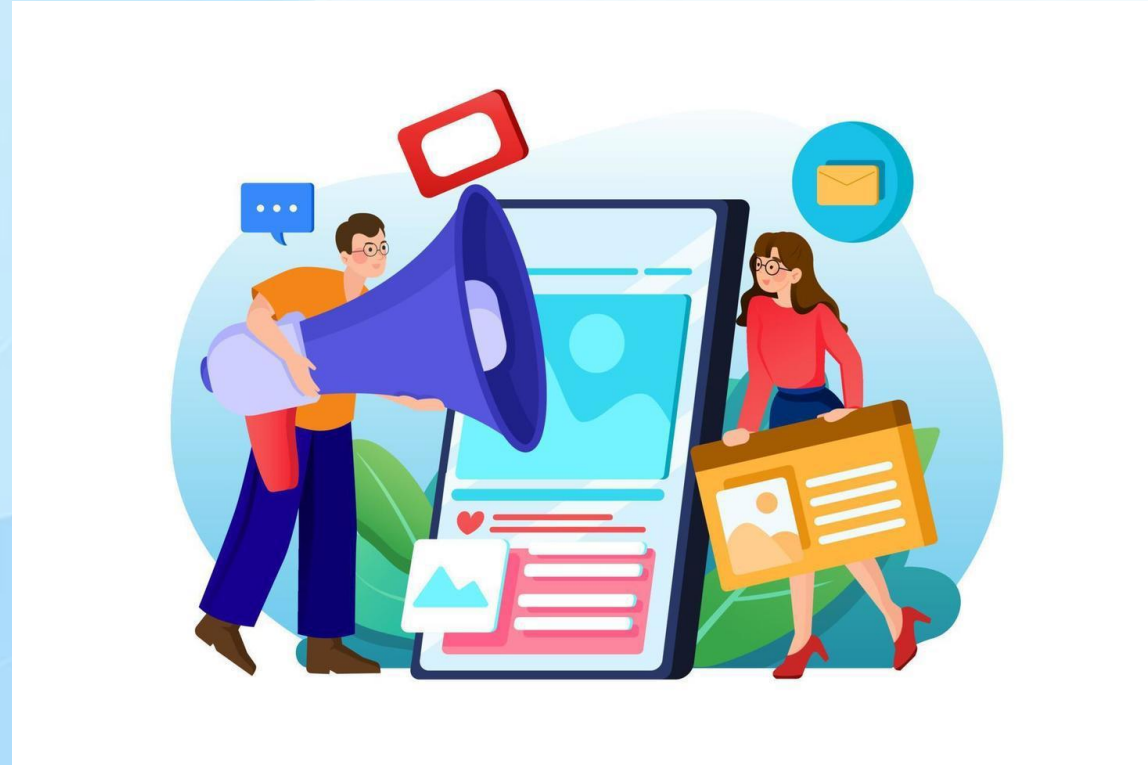# Social Media

Farhana Lucky
Instructor
ID: 1272486
WDPF
ROUND: 54

Submitted to

Mohammad Moshaidul Islam
Consultant
IDB BISEW

Sheikh Rownakul Islam Miraj
Student
ID: 1272486
ROUND: 54

Index

Application

26th September, 2023

The Consultant

IDB Bhaban,

Sher e Bangla, Nagar, Dhaka

Subject: Project proposal letter for the Social Media system.

Dear sir,

Thank you for offering us a great opportunity to make a real life project based on our core course that is Web Development with PHP and Framework(WDPF). In this project, I would like to inform you that We have decided to make a project on Social Media System, which is most important for every social media owner. I have studied about the various aspects of the system and make a proposal accordingly which is enclosed here with for your kind perusal. So, We think you will finally Approved the project and help to utilize our creativity.

Sincerely,

Name: Sheikh Rownakul Islam Miraj

Batch: WDPF/NCLC-M/54/01

Round - 54

Introduction

- The purpose of this project proposal is to present the development of a comprehensive Social Media system Application that will serve as a centralized solution for managing various aspects of your social operations.

- I will aims to address the existing challenges in Messaging, post , groups.

- This Social Media Management Application will offer a user-friendly interface and intuitive features, empowering your staff to efficiently handle messaging, groups, requests.

- With a focus on automation and data-driven decision-making, this application will streamline processes, reduce manual errors, and enhance overall productivity.

- By adopting this solution, your hostel will gain a competitive edge, as you will have real-time access to key performance indicators, enabling you to make informed business decisions promptly.

Objectives

- Automate the process of booking management, including booking placement, tracking, and fulfillment.

- Implement a centralized inventory management system for efficient tracking of booking levels, replenishment, and room and seat management.

- Integrate robust reporting and analytics capabilities to gain insights into booking sales trends, hostel financial performance, and profitability.

- Enhance security measures to protect sensitive customer and financial data.

- Enable seamless integration with existing systems, such as accounting software and POS (Point of Sale) systems.

- Provide user-friendly interfaces for easy navigation and quick adoption by store staff.

- Offer scalability and customization options to accommodate future growth and evolving business needs.

- Ensure compatibility with multiple devices, including desktops, tablets, and mobile devices, for on-the-go access to store management features.
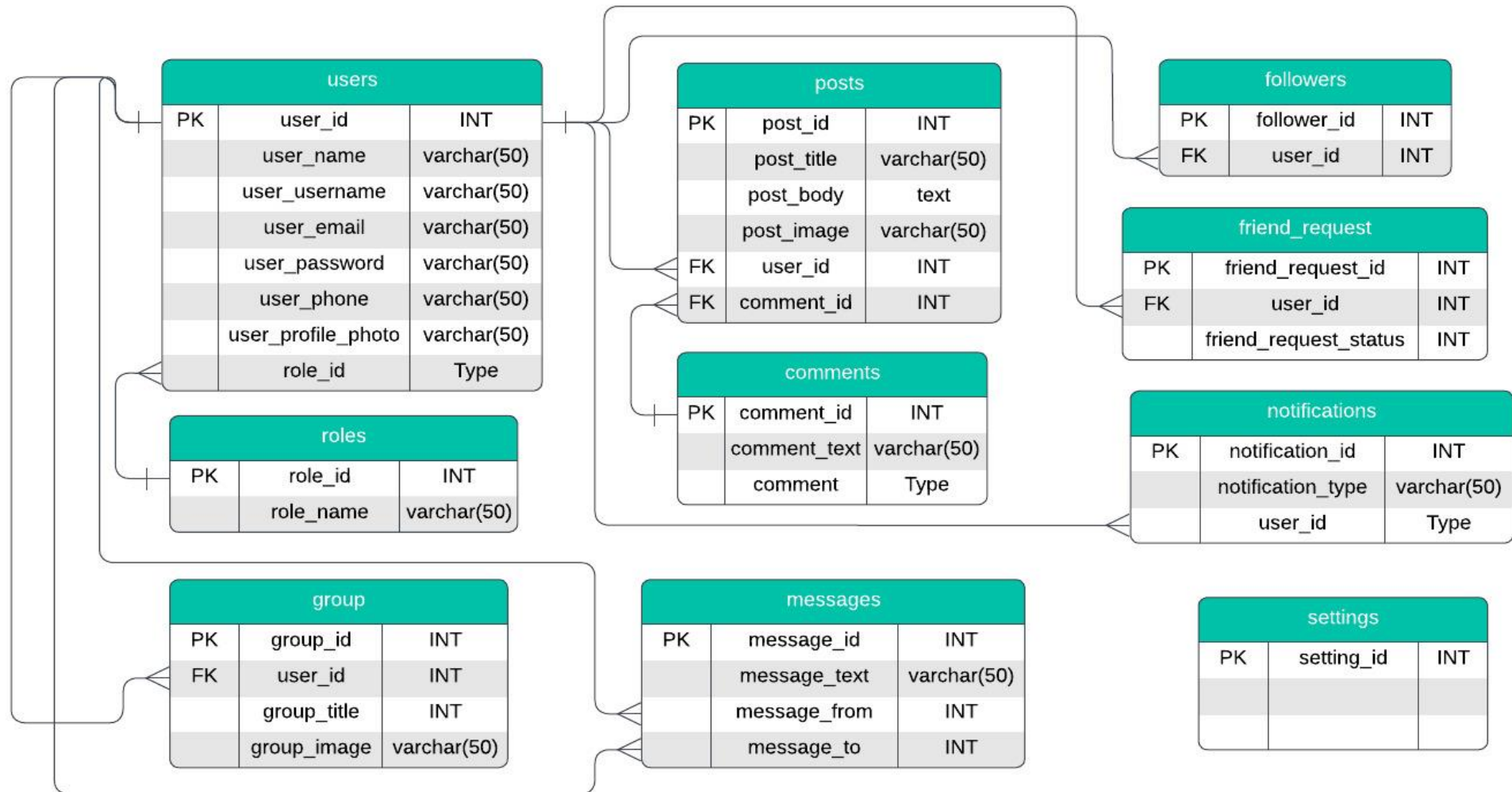
Benefits

- Increased accuracy and productivity in managing Social operations.
- Real-time tracking and analysis of messaging and request data for informed decision-making.
- Improved customer satisfaction through streamlined social management and messaging processes.
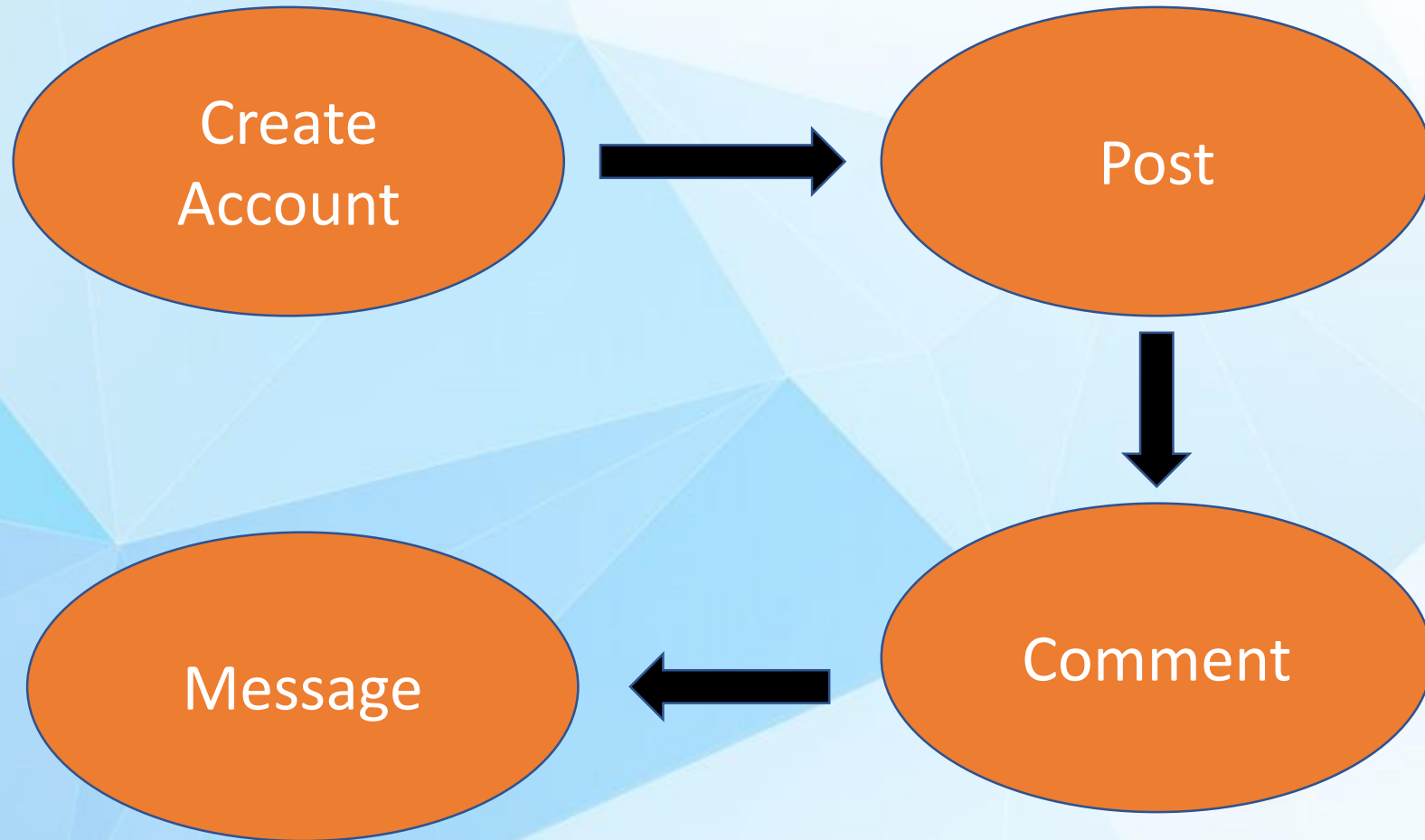
Software Features

- Messaging Management:
  - Track messages , including message quantities, availability, and replenishment.
  - Set up low-online alerts and automated reordering processes.

- Group manage and Tracking:
  - Capture social grouping, including payment post, comments, and likes.
  - Enable message status tracking .
  - Generate stats and slips for efficient social fulfillment.

- Reporting and Analytics:
  - Generate real-time reports on messages, post levels, and progress.
  - Provide insights into top-performing Account, user beaviour patterns, and revenue trends.
  - Support customization and filtering options for tailored analysis.
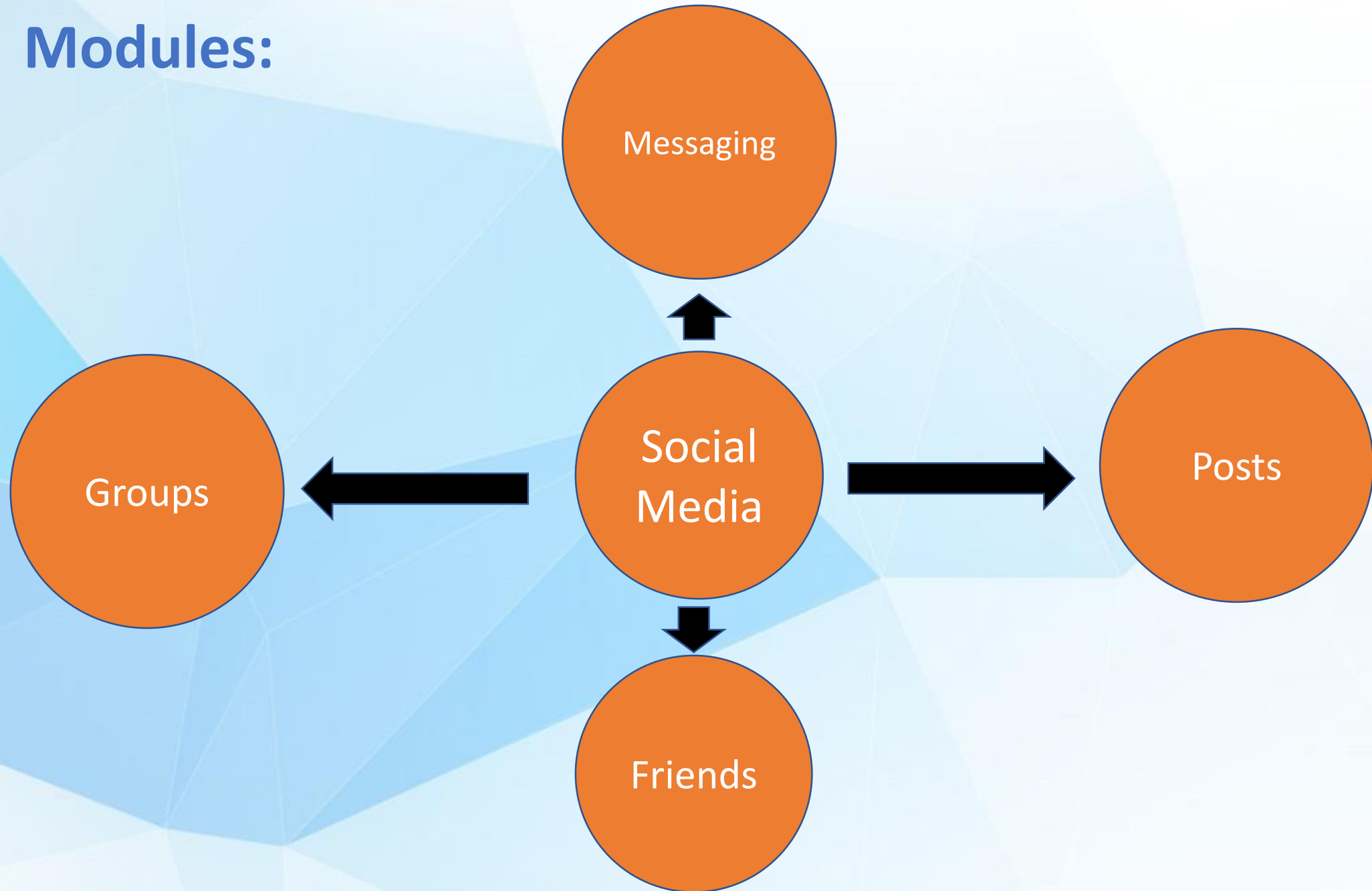
CodeIgnitor Social Media

Sheikh Rownakul Islam Miraj | September 26, 2023

users

PK	user_id	INT
	user_name	varchar(50)
	user_username	varchar(50)
	user_email	varchar(50)
	user_password	varchar(50)
	user_phone	varchar(50)
	user_profile_photo	varchar(50)
	role_id	Type

posts

PK	post_id	INT
	post_title	varchar(50)
	post_body	text
	post_image	varchar(50)
FK	user_id	INT
FK	comment_id	INT

followers

PK	follower_id	INT
FK	user_id	INT

friend_request

PK	friend_request_id	INT
FK	user_id	INT
	friend_request_status	INT

comments

PK	comment_id	INT
	comment_text	varchar(50)
	comment	Type

notifications

PK	notification_id	INT
	notification_type	varchar(50)
	user_id	Type

roles

PK	role_id	INT
	role_name	varchar(50)

group

PK	group_id	INT
FK	user_id	INT
	group_title	INT
	group_image	varchar(50)

messages

PK	message_id	INT
	message_text	varchar(50)
	message_from	INT
	message_to	INT

settings

PK	setting_id	INT

Timeline And Milestone:

Milestone	Duration (Days)
Requirements Gathering	2
Design and User Interface	5
Development and Coding	15
Testing and Quality Assurance	5
Deployment and Launch	2
Project Completion and Handover	1
Total Duration	30

Technical Information Source:

Information Source	Description
PHP.net	Official documentation and reference for PHP programming language
MySQL.com	Official documentation and resources for MySQL database management system
W3Schools	Online tutorials and guides for web development technologies, including PHP and MySQL
Stack Overflow	Online community for programmers to ask and answer technical questions
GitHub Repositories	Open-source projects and code repositories for PHP and MySQL

Use of Tools and Technologies:

Tools and Technology	Description	Tools and Technology	Description
PHP	Server-side scripting language used for dynamic web development	jQuery	JavaScript library for simplifying HTML document traversal and manipulation
MySQL	Relational database management system for storing and retrieving data	Git	Version control system for tracking and managing code changes
HTML	Markup language for creating the structure and content of web pages	PhpStorm	Integrated development environment (IDE) for PHP development
CSS	Styling language for enhancing the appearance and layout of web pages	phpMyAdmin	Web-based administration tool for managing MySQL databases
JavaScript	Client-side scripting language for interactive and dynamic web functionality	Bootstrap	CSS framework for creating responsive and mobile-friendly web designs
React	Client side rendering, single page application	React - Router	Routing for single page applicant
CodeIgnitor	Server Side Api		

Methodology

- Agile Development Approach:
    - We will adopt an Agile development approach to provide flexibility and adaptability throughout the project lifecycle.
    - Agile emphasizes iterative development, collaboration, and regular feedback to deliver incremental value to stakeholders.
    - Our team will specifically follow the Scrum framework, which divides the project into sprints and emphasizes frequent communication and collaboration.
- Design and Development Phase:
    - Our team will design the database schema and establish the necessary entity relationships for efficient data management.
    - We will develop the front-end user interface using PHP, ensuring an intuitive and user-friendly experience.
    - Back-end functionality, such as hostel management, sales order tracking, and reporting features, will be implemented using PHP and MySQL.
    - Extensive testing and quality assurance will be performed to ensure the reliability, security, and performance of the software.

Methodology

- Collaboration and Communication:
  - Regular meetings will be scheduled among our team members to review progress, discuss challenges, and make necessary adjustments.
  - We will actively seek feedback from stakeholders and incorporate it into the development process to ensure their needs are met.
  - We will utilize project management and collaboration tools, such as task tracking systems and communication platforms, to enhance transparency and efficiency.
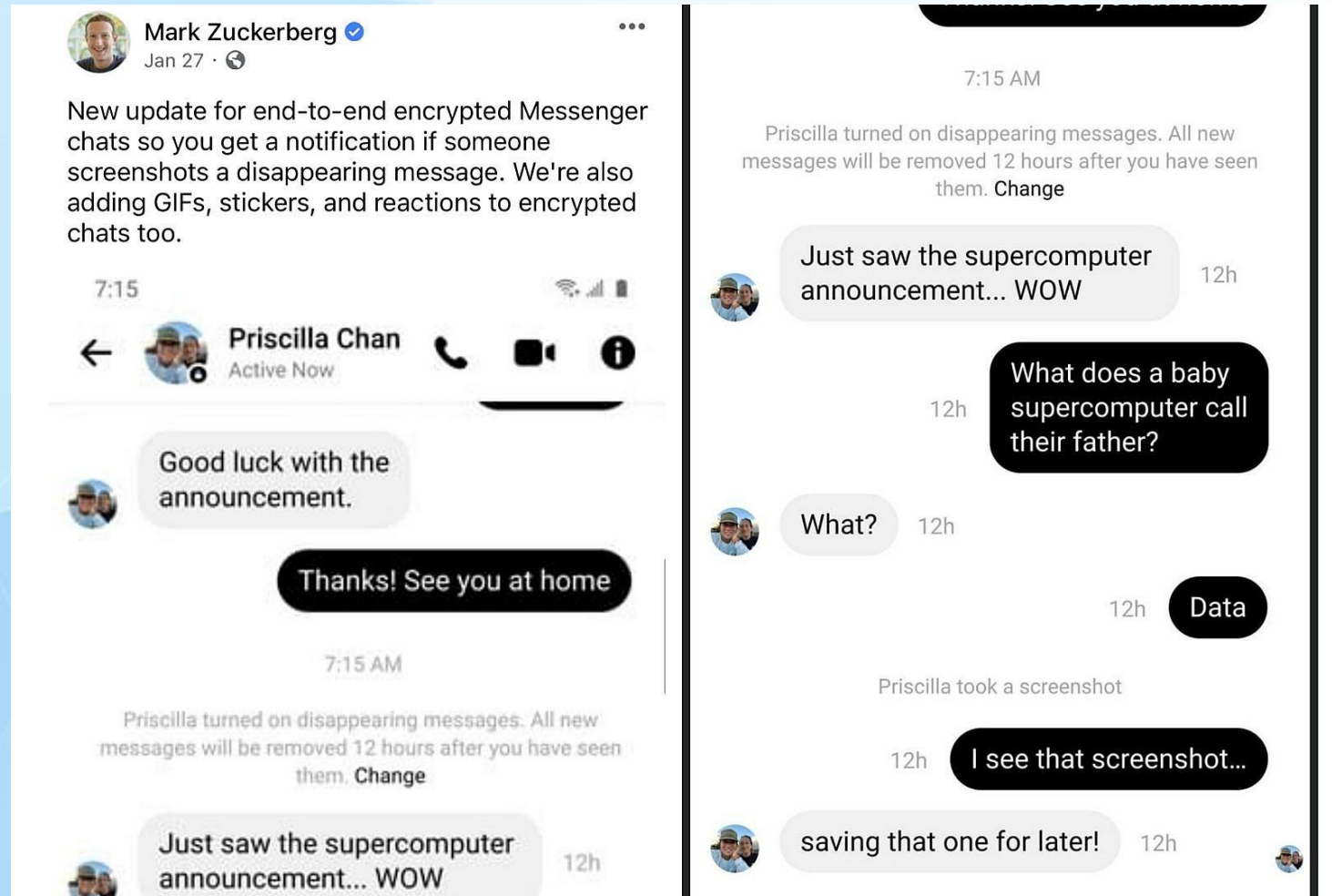- Continuous Improvement:
  - Throughout the project, we will conduct regular retrospectives to identify areas of improvement and implement necessary adjustments.
  - Feedback from end users and stakeholders will be highly valued and utilized to enhance the software's functionality and user experience.

Web Frontend Design
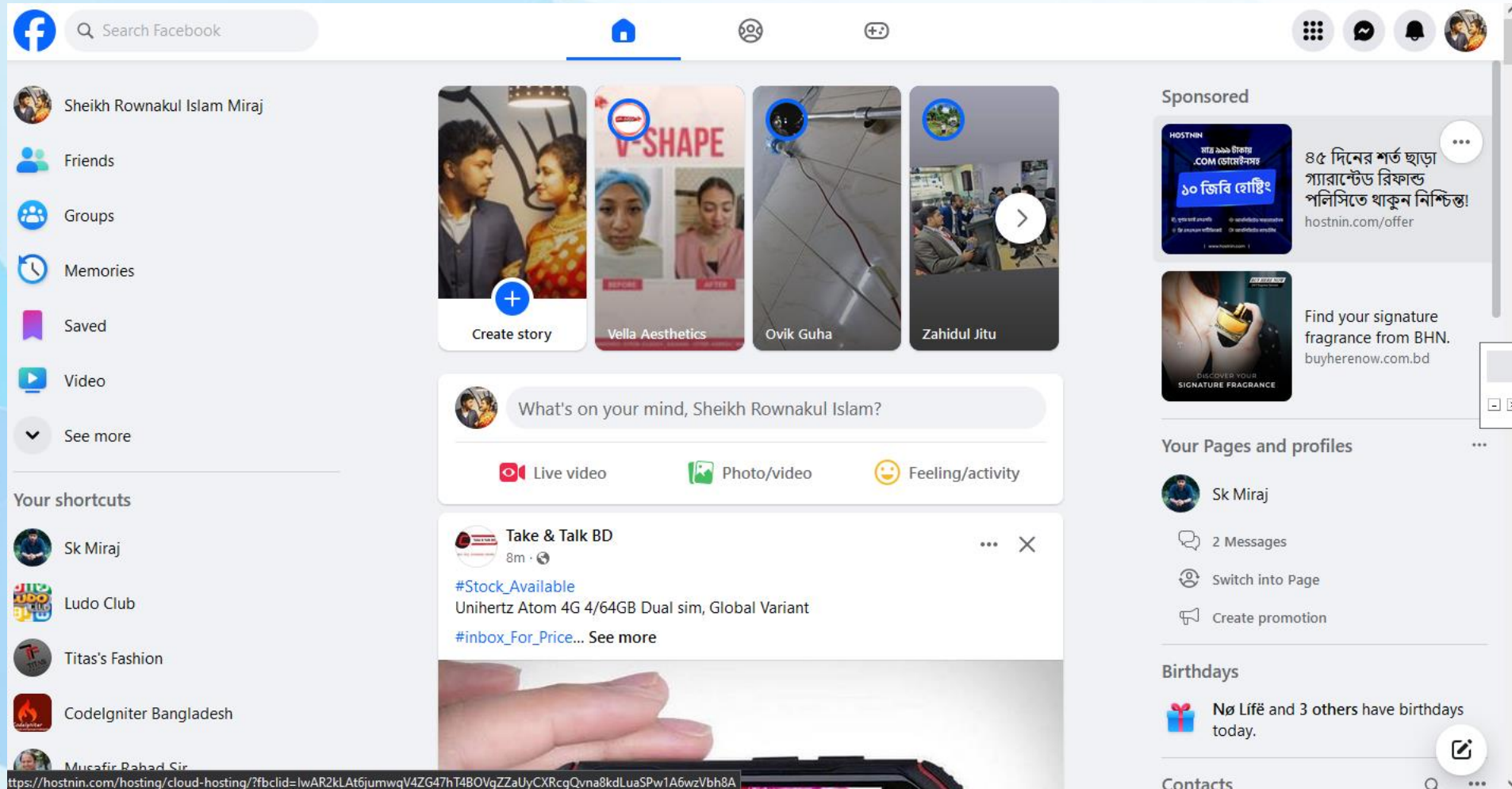
Example of Messaging

Form Sample

SIGN IN

EMAIL ADDRESS *

PASSWORD *

☐ REMEMBER ME

SIGN IN

SIGN UP

FIRST NAME *

LAST NAME *

EMAIL *

CONFIRM EMAIL *

PASSWORD *

CONFIRM PASSWORD *

☑ ACCEPT TERMS AND CONDITIONS

SIGN UP

More Form Sample

Conclusion

- Our Social Media management software proposal offers a comprehensive solution for efficient messaging and post management. With a well-defined Entity-Relationship Diagram (ERD) at its core, the software ensures seamless data organization and retrieval.

- The ERD consists of interconnected tables such as "messaging," "post," "groups" "friends," "likes," "comment," "frontend," "loading," "stats," and "pakages" These tables facilitate various functionalities, including tracking product quantities, managing user roles, storing customer details, recording message, monitoring sales levels, categorizing buildings, and managing social interactions.

- In summary, our social management software proposal empowers backend with efficient operations, optimized post control, and improved user satisfaction. It is a valuable tool for social of all sizes, aiding in their growth and success.